



Atlantic Richfield Company
(a BP affiliated company)

P.O. Box 1257
San Ramon, CA 94583
Phone: (925) 275-3801
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10 April 2008

Re: First Quarter 2008 Semi-Annual Ground-Water Monitoring Report
Former BP Service Station # 11133
2220 98th Avenue
Oakland, California
ACEH Case #RO0000403

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

Submitted by:

Paul Supple
Environmental Business Manger

RECEIVED

2:04 pm, May 06, 2008

Alameda County
Environmental Health



**First Quarter 2008 Semi-Annual
Ground-Water Monitoring Report**
Former BP Service Station #11133
2220 98th Avenue
Oakland, California

Prepared for

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

Prepared by



1324 Mangrove Avenue, Suite 212
Chico, California 95926
(530) 566-1400
www.broadbentinc.com

10 April 2008

Project No. 06-08-656

10 April 2008

Project No. 06-08-656

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

Attn.: Mr. Paul Supple

Re: First Quarter 2008 Semi-Annual Ground-Water Monitoring Report, Former BP Service Station #11133, 2220 98th Avenue, Oakland, Alameda County, California;
ACEH Case #RO0000403

Dear Mr. Supple:

Provided herein is the *First Quarter 2008 Semi-Annual Ground-Water Monitoring Report* for Former BP Service Station #11133 located at 2220 98th Avenue, Oakland, California (Site). This report presents the results of ground-water monitoring conducted at the Site during the First Quarter of 2008.

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

Sincerely,

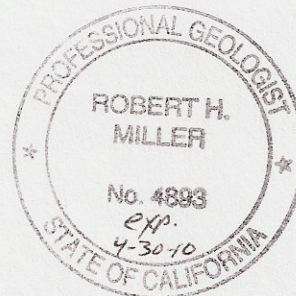
BROADBENT & ASSOCIATES, INC.



Thomas A. Venus, P.E.
Senior Engineer



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



Enclosure

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

STATION #11133 SEMI-ANNUAL GROUNDWATER MONITORING REPORT

Facility: #11133	Address: 2220 98 th Avenue, Oakland
Environmental Business Manager:	Mr. Paul Supple
Consulting Co./Contact Persons:	Broadbent & Associates, Inc.(BAI)/Rob Miller & Tom Venus (530) 566-1400
Primary Agency/Regulatory ID No.:	Alameda County Environmental Health (ACEH) ACEH Case #RO0000403
Consultant Project No.:	06-08-656
Facility Permits/Permitting Agency:	NA

WORK PERFORMED THIS QUARTER (First Quarter 2008):

1. Prepared and submitted Fourth Quarter 2007 Status Report.
2. Conducted semi-annual ground-water monitoring/sampling for First Quarter 2008. Work performed by Stratus Environmental, Inc. (Stratus) on 15 January 2008.

WORK PROPOSED FOR NEXT QUARTER (Second Quarter 2008):

1. Prepared and submitted this First Quarter 2008 Semi-Annual Ground-Water Monitoring Report (contained herein).
2. Conduct ground-water monitoring/sampling for wells AW-1, AW-2, AW-4, AW-5, AW-6, MW-1, MW-3, RW-1, and VEW-4. Refer to the discussion section for further details.
3. Commence Nitrate/Sulfate Injection Feasibility Pilot Study.

QUARTERLY RESULTS SUMMARY:

Current phase of project:	Ground-water monitoring/sampling/treatment pilot study
Frequency of ground-water monitoring:	Semi-Annually (1Q & 3Q): Wells MW-1, MW-2, MW-3, AW-1 through AW-9, RW-1
Frequency of ground-water sampling:	Semi-Annually (1Q & 3Q): Wells MW-1, MW-3, AW-1, AW-4, AW-5, AW-6, and RW-1 Annually (1Q): Well AW-2 Not Sampled: Wells MW-2, AW-3, AW-7, AW-8, AW-9
Is free product (FP) present on-site:	No
FP recovered this quarter:	None
Current remediation techniques:	NA
Depth to ground water (below TOC):	10.96 ft (MW-1) to 18.83 ft (MW-2)
General ground-water flow direction:	West-Southwest
Approximate hydraulic gradient:	0.006 ft/ft

DISCUSSION:

First Quarter 2008 semi-annual ground-water monitoring and sampling was conducted at Station #11133 on 15 January 2008 by Stratus. Water levels were gauged in 12 of the 13 wells scheduled to be gauged at the Site. Stratus reported that well AW-7 could not be located (This well has not been able to be located since First Quarter 2001). Wells VW-1 through VW-3 and VEW-4 through VEW-9 were also gauged following demolition activities at the Site during the Fourth Quarter of 2007. No other irregularities were noted during water level gauging. Depth to ground-water measurements ranged from 10.96 ft at well MW-1 to 18.83 ft at well MW-2. Resulting ground-water surface elevations ranged from 23.54 ft above mean sea level in well MW-3 to 16.67 ft at well MW-2. Water level elevations were between historic minimum and maximum ranges for each well, as summarized in Table 1, with the

exception of well MW-2 which reached a historic minimum elevation this quarter. Water level elevations yielded a potentiometric ground-water flow direction and gradient towards the west-southwest at approximately 0.006 ft/ft. Ground-water monitoring field data sheets are provided within Appendix A. Measured depths to ground-water and respective ground-water elevations are summarized in Table 1. Current and historic ground-water flow directions and gradients are provided in Table 3. Potentiometric ground-water elevation contours are presented in Drawing 1.

Generally consistent with the current ground-water sampling schedule, water samples were collected from nine wells: AW-1, AW-2, AW-4, AW-5, AW-6, MW-1, MW-3, RW-1, and VEW-4. A sample was collected from well VEW-4 in advance of nitrate/sulfate injection pilot testing. Each of the wells sampled during First Quarter 2008 will be sampled during the upcoming nitrate/sulfate injection pilot test. No irregularities were reported during sampling. Samples were submitted under chain-of-custody protocol to Test America Analytical Testing Corporation (Morgan Hill, California), for analysis of Gasoline Range Organics (GRO, C4-12) by the LUFT GCMS Method; for Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX) by EPA Method 8260B; and tert-Amyl methyl ether (TAME), tert-Butyl alcohol (TBA), Di-isopropyl ether(DIPE), 1,2-Dibromomethane (EDB), 1,2-Dichloroethane (1,2-DCA), Ethanol, Ethyl tert-butyl ether (ETBE), and Methyl tert-butyl ether (MTBE) by EPA Method 8260B. Bio-degradation parameters including dissolved oxygen, oxygen reduction potential, conductivity, pH, temperature, total alkalinity, nitrate, sulfate, soluble sulfide, carbon dioxide, methane, manganese and ferrous iron were also monitored during this quarter. The laboratory reported that the GRO concentrations for the samples collected from wells AW-5 and AW-6 were partly due to individual peak(s) in the quantitation range. The nitrate analysis for the samples collected from wells AW-1 and AW-4 was conducted after the holding time expired. The laboratory also reported that each sample was received after the holding time had expired for soluble sulfide and ferrous iron analyses. No other irregularities were encountered during laboratory analysis of the samples. Ground-water sampling field data sheets and the laboratory analytical report, including chain-of-custody documentation, are provided in Appendix A.

Gasoline range organics (GRO) were detected above the laboratory reporting limits in eight of the nine wells sampled at concentrations up to 5,000 micrograms per liter ($\mu\text{g/L}$) in well AW-1. Benzene was detected above the laboratory reporting limit in seven of the nine wells sampled at concentrations up to 900 $\mu\text{g/L}$ in well AW-2. Toluene was detected above the laboratory reporting limit in four of the nine wells sampled at concentrations up to 87 $\mu\text{g/L}$ in well AW-2. Ethylbenzene was detected above the laboratory reporting limit in six of the nine wells sampled at concentrations up to 490 $\mu\text{g/L}$ in well AW-1. Total Xylenes were detected above the laboratory reporting limit in five of the nine wells sampled at concentrations up to 200 $\mu\text{g/L}$ in well AW-1. TAME was detected above the laboratory reporting limit in five of the nine wells sampled at concentrations up to 45 $\mu\text{g/L}$ in well AW-1. TBA was detected above the laboratory reporting limit in well AW-5 at a concentration of 200 $\mu\text{g/L}$. MTBE was detected above the laboratory reporting limit in eight of the nine wells sampled at concentrations up to 230 $\mu\text{g/L}$ in well AW-1. The remaining fuel additives and oxygenates were not detected above their laboratory reporting limits in the nine wells sampled this quarter. A summary of bio-degradation parameters is provided in Table 4.

Detected analyte concentrations were within the historic minimum and maximum ranges recorded for each well, with the following exceptions: the GRO, benzene, and ethylbenzene concentrations reported in well AW-2 were the highest on record for this well; the TAME concentration reported in well AW-6 was the lowest on record for this well; the MTBE concentration reported in well MW-1 was the lowest on record for this well; and the toluene, ethylbenzene, total xylene and MTBE concentrations reported in well RW-1 were the lowest on record for this well. Historic laboratory analytical results are summarized in Table 1, Table 2 and Table 4. A copy of the laboratory analytical report, including chain-of-custody documentation is provided in Appendix A. First Quarter 2008 groundwater monitoring data

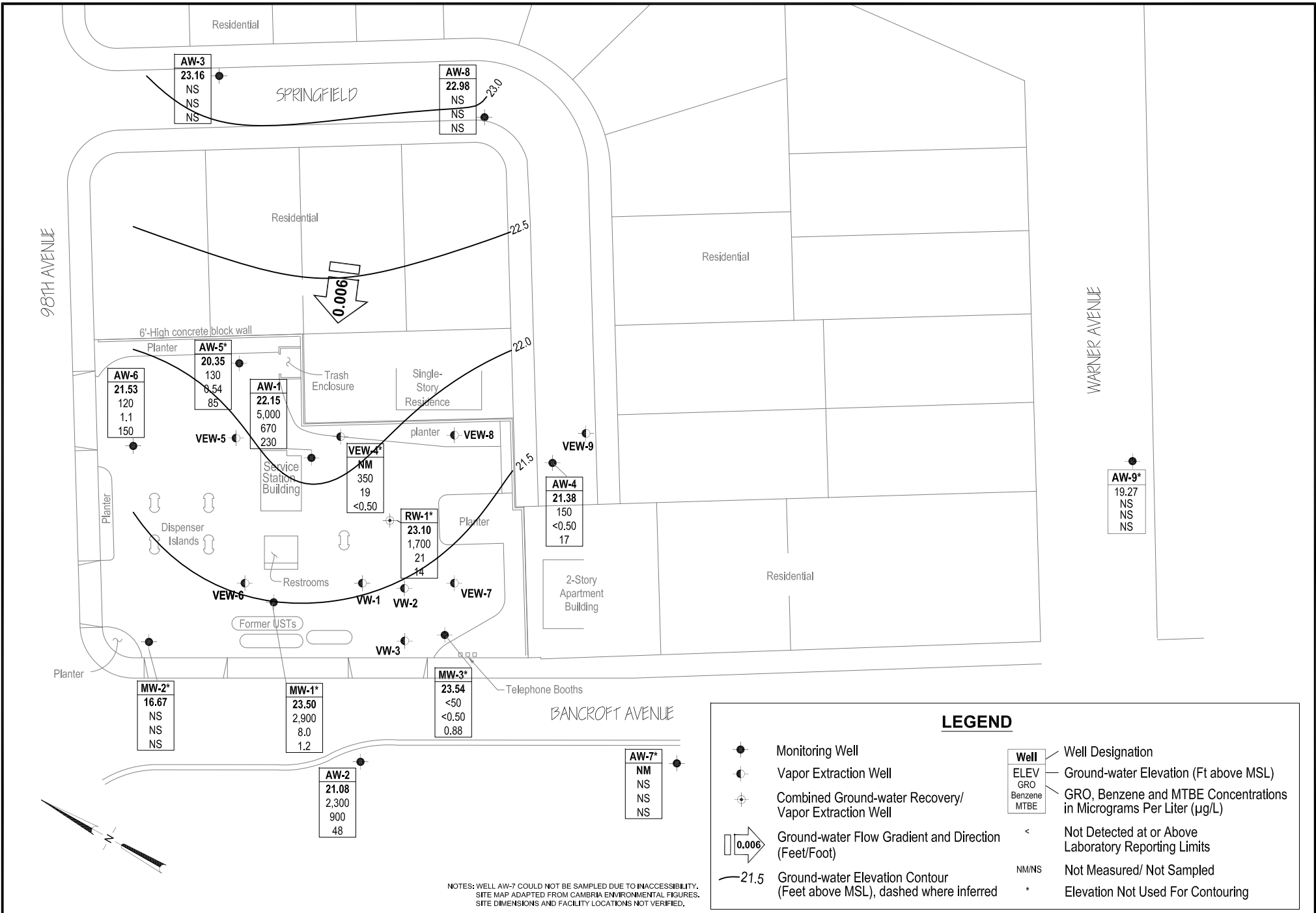
(GEO_WELL) and laboratory analytical results (EDF) were uploaded to the GeoTracker AB2886 Database. Upload confirmation pages are provided in Appendix B.

CLOSURE:

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

ATTACHMENTS:

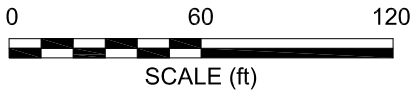
- Drawing 1. Ground-Water Elevation Contour and Analytical Summary Map, 15 January 2008, Former BP Service Station #11133, 2220 98th Avenue, Oakland, California
- Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses, Station #11133, 2220 98th Avenue, Oakland, California
- Table 2. Summary of Fuel Additives Analytical Data, Station #11133, 2220 98th Avenue, Oakland, California
- Table 3. Historical Ground-Water Flow Direction and Gradient, Station #11133, 2220 98th Avenue, Oakland, California
- Table 4. Bio-Degradation Parameters, Station #11133, 2220 98th Avenue, Oakland, California
- Appendix A. Stratus Ground-Water Sampling Data Package (Includes Field Data Sheets, Laboratory Report and Chain-of-Custody Documentation)
- Appendix B. GeoTracker Upload Confirmation



NOTES: WELL AW-7 COULD NOT BE SAMPLED DUE TO INACCESSIBILITY. SITE MAP ADAPTED FROM CAMBRIA ENVIRONMENTAL FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.

LEGEND

	Monitoring Well		Well Designation
	Vapor Extraction Well		Ground-water Elevation (Ft above MSL)
	Combined Ground-water Recovery/ Vapor Extraction Well		GRO, Benzene and MTBE Concentrations in Micrograms Per Liter (µg/L)
	Ground-water Flow Gradient and Direction (Feet/Foot)	<	Not Detected at or Above Laboratory Reporting Limits
	Ground-water Elevation Contour (Feet above MSL), dashed where inferred	NM/NS	Not Measured/ Not Sampled
		*	Elevation Not Used For Contouring



BROADBENT & ASSOCIATES, INC.
 ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
 1324 Mangrove Ave. Suite 212, Chico, California 95926
 Project No.: 06-08-656 Date: 2/22/08

Former BP Service Station #11133
 2220 98th Avenue
 Oakland, California

Ground-Water Elevation Contour
 and Analytical Summary Map
 5 February 2008

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

Station #11133, 2220 98th Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
AW-1															
4/5/1991	--	38.11	25.44	--	12.67	4,100	1,500	69	100	83	--	--	SUP	--	
4/1/1992	--	38.11	23.22	--	14.89	--	--	--	--	--	--	--	--	--	
4/2/1992	--	38.11	--	--	--	11,000	1,800	210	210	490	--	--	APP	--	
7/6/1992	--	38.11	24.89	--	13.22	6,500	4,000	40	290	530	--	--	ANA	--	
10/7/1992	--	38.11	26.55	--	11.56	4,700	1,500	41	47	300	--	--	ANA	--	
10/7/1992	--	38.11	--	--	--	2,900	1,200	25	37	210	--	--	ANA	--	e
1/14/1993	--	38.11	--	--	--	4,100	1,700	28	130	230	--	--	PACE	--	m, e
1/14/1993	--	38.11	23.73	--	14.38	2,800	830	31	140	240	--	--	PACE	--	m
4/22/1993	--	38.11	--	--	--	39,000	14,000	530	1,800	6,100	987	--	PACE	--	c, m
7/15/1993	--	38.11	22.50	--	15.61	6,200	2,200	28	210	540	838	--	PACE	--	c, m
10/21/1993	--	38.11	24.32	--	13.79	2,400	820	13	55	120	832	--	PACE	--	c, m
1/27/1994	--	38.11	23.72	--	14.39	3,500	1,400	26	130	220	650	--	PACE	--	c, n
4/21/1994	--	38.11	22.48	--	15.63	40,000	12,000	1,900	1,600	5,000	1,119	1.4	PACE	--	m
9/9/1994	--	38.11	23.04	--	15.07	3,500	1,600	5	200	250	--	2.1	PACE	--	m
9/9/1994	--	38.11	--	--	--	3,900	1,900	5.5	190	240	--	--	PACE	--	e
12/21/1994	--	38.11	21.70	--	16.41	7,600	3,100	36	370	320	855	1.6	PACE	--	m
1/30/1995	--	38.11	17.71	--	20.40	35,000	23,000	650	3,200	4,100	--	1.7	ATI	--	
4/10/1995	--	38.11	--	--	--	56,000	17,000	2,000	3,900	10,000	--	--	ATI	--	e
4/10/1995	--	38.11	20.04	--	18.07	60,000	18,000	2,000	4,300	11,000	--	7.9	ATI	--	
6/29/1995	--	38.11	20.60	--	17.51	72,000	10,000	7,300	4,200	15,000	--	6.2	ATI	--	
6/29/1995	--	38.11	--	--	--	86,000	12,000	8,400	4,800	18,000	--	--	ATI	--	e
9/18/1995	--	38.11	21.87	--	16.24	--	--	--	--	--	--	--	--	--	
9/19/1995	--	38.11	--	--	--	65,000	12,000	3,100	4,400	14,000	1,000	8.5	ATI	--	
12/7/1995	--	38.11	22.06	--	16.05	25,000	8,700	<50	2,500	1,300	1,100	2.9	ATI	--	
3/28/1996	--	38.11	16.91	--	21.20	24,000	11,000	<100	3,200	3,390	<1000	6.6	SPL	--	
6/20/1996	--	38.11	20.82	--	17.29	38,000	6,900	1,100	3,200	7,300	<100	6.4	SPL	--	
10/11/1996	--	38.11	23.20	--	14.91	33,000	8,500	69	3,300	4,230	580	6.3	SPL	--	
1/2/1997	--	38.11	20.41	--	17.70	32,000	8,000	<50	3,100	2,300	700	6.7	SPL	--	
4/14/1997	--	38.11	21.61	--	16.50	--	--	--	--	--	--	--	--	--	
4/15/1997	--	38.11	--	--	--	31,000	5,000	160	2,400	4,540	340	5.4	SPL	--	
7/2/1997	--	38.11	21.17	--	16.94	26,000	5,800	<100	2,600	2,200	<1000	6.2	SPL	--	

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

Station #11133, 2220 98th Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
AW-1 Cont.															
9/30/1997	--	38.11	21.48	--	16.63	29,000	9,200	17	1,400	130	560	6.9	SPL	--	
1/21/1998	--	38.11	20.02	--	18.09	50,000	6,900	450	3,200	4,450	720	5.8	SPL	--	
4/9/1998	--	38.11	13.37	--	24.74	--	--	--	--	--	--	--	--	--	
4/10/1998	--	38.11	--	--	--	46,000	5,800	1,900	3,000	7,400	1,000	4.3	SPL	--	
6/19/1998	--	38.11	--	--	--	43,000	6,800	260	3,100	3,490	620	--	SPL	--	e
6/19/1998	--	38.11	19.12	--	18.99	42,000	6,600	200	3,000	3,350	660	4.9	SPL	--	
11/30/1998	--	38.11	21.13	--	16.98	23,000	6,700	<25	3,100	130	710/820	--	SPL	--	g
1/21/1999	--	38.11	20.77	--	17.34	25,000	4,800	54	2,800	780	1,000	--	SPL	--	
4/30/1999	--	38.11	20.80	--	17.31	21,000	5,300	67	2,800	750	1,500	--	SPL	--	
7/9/1999	--	38.11	20.41	--	17.70	11,000	3,000	<10	760	180	1,300	--	SPL	--	
11/3/1999	--	38.11	20.82	--	17.29	--	--	--	--	--	--	--	--	--	
1/12/2000	--	38.11	19.99	--	18.12	330,000	5,300	10	2,900	560	2,200	--	PACE	--	
4/13/2000	--	38.11	20.14	--	17.97	--	--	--	--	--	--	--	--	--	
5/24/2000	--	38.11	20.17	--	17.94	--	--	--	--	--	--	--	--	--	
6/1/2000	--	38.11	23.05	--	15.06	--	--	--	--	--	--	--	--	--	
6/8/2000	--	38.11	17.08	--	21.03	--	--	--	--	--	--	--	--	--	
6/15/2000	--	38.11	16.93	--	21.18	--	--	--	--	--	--	--	--	--	
7/26/2000	--	38.11	20.07	--	18.04	15,000	290	98	77	220	37,000	--	PACE	--	
10/24/2000	--	38.11	20.10	--	18.01	--	--	--	--	--	--	--	--	--	
1/19/2001	--	38.11	19.82	--	18.29	7,600	2,220	10.9	415	58.4	1,630	--	PACE	--	
7/24/2001	--	38.11	19.86	--	18.25	9,600	2,140	6.34	281	43	1,440	--	PACE	--	
1/18/2002	--	38.11	15.60	--	22.51	20,000	2,170	75.2	1,800	2,080	1,250	--	PACE	--	
8/1/2002	--	38.11	19.55	--	18.56	14,000	2,150	<12.5	197	42.4	1,120	--	PACE	--	
1/16/2003	--	38.11	16.32	--	21.79	15,000	2,300	75	1,600	1,800	1,100	--	SEQ	--	p
7/7/2003	--	38.11	19.80	--	18.31	9,700	1,600	<25	540	110	1,100	--	SEQ	--	q, u
02/05/2004	--	38.11	18.75	--	19.36	12,000	2,000	<50	820	590	930	--	SEQM	6.7	
07/01/2004	P	38.11	19.72	--	18.39	9,900	2,600	<25	300	<25	1,100	--	SEQM	6.5	
03/16/2005	P	38.11	18.78	--	19.33	10,000	1,100	30	630	560	720	0.8	SEQM	6.7	
07/22/2005	P	38.11	15.53	--	22.58	8,000	770	5.4	520	50	510	--	SEQM	6.5	
01/25/2006	P	38.11	18.10	--	20.01	6,400	1,200	10	490	290	490	--	SEQM	7.0	
7/6/2006	P	38.11	17.44	--	20.67	6,200	1,300	70	570	180	270	--	TAMC	6.8	

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

Station #11133, 2220 98th Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
AW-1 Cont.															
1/8/2007	P	38.11	16.74	--	21.37	3700	690	19	110	30	380	2.53	TAMC	6.77	
7/10/2007	P	38.11	17.30	--	20.81	4,200	560	12	93	40	220	1.79	TAMC	6.90	
1/15/2008	P	38.11	15.96	--	22.15	5,000	670	<10	490	200	230	0.92	TAMC	6.91	
AW-2															
4/5/1991	--	36.83	22.36	--	14.47	<50	<0.3	<0.3	<0.3	<0.3	--	--	SUP	--	
4/1/1992	--	36.83	20.81	--	16.02	--	--	--	--	--	--	--	--	--	
4/2/1992	--	36.83	--	--	--	130	25	2.3	0.7	2.1	--	--	APP	--	
7/6/1992	--	36.83	23.57	--	13.26	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	
10/7/1992	--	36.83	25.24	--	11.59	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	
1/14/1993	--	36.83	20.82	--	16.01	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	m
4/22/1993	--	36.83	19.37	--	17.46	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	m
7/15/1993	--	36.83	21.29	--	15.54	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	--	m
10/21/1993	--	36.83	23.14	--	13.69	<50	1.3	1.1	0.9	2.1	<5.0	--	PACE	--	m
1/27/1994	--	36.83	22.34	--	14.49	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	m
4/21/1994	--	36.83	21.15	--	15.68	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.0	PACE	--	m
9/9/1994	--	36.83	22.09	--	14.74	<50	<0.5	<0.5	<0.5	<0.5	--	4.1	PACE	--	m
12/21/1994	--	36.83	20.12	--	16.71	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.0	PACE	--	m
1/30/1995	--	36.83	16.65	--	20.18	<50	<0.50	<0.50	<0.50	<1.0	--	2.5	ATI	--	
4/10/1995	--	36.83	16.22	--	20.61	<50	<0.50	<0.50	<0.50	<1.0	--	4.4	ATI	--	
6/29/1995	--	36.83	17.55	--	19.28	<50	<0.50	<0.50	<0.50	<1.0	--	7.8	ATI	--	
9/18/1995	--	36.83	19.87	--	16.96	--	--	--	--	--	--	--	--	--	
9/19/1995	--	36.83	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	4.5	ATI	--	
9/19/1995	--	36.83	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	--	e
12/7/1995	--	36.83	21.31	--	15.52	<50	<0.50	<0.50	<0.50	<1.0	<5.0	4.9	ATI	--	
3/28/1996	--	36.83	15.61	--	21.22	<50	<0.5	<1	<1	<1	<10	4.1	SPL	--	
6/20/1996	--	36.83	16.30	--	20.53	<50	<0.5	<1	<1	<1	<10	5.2	SPL	--	
10/11/1996	--	36.83	19.60	--	17.23	<50	<0.5	<1.0	<1.0	<1.0	<10	6.0	SPL	--	
1/2/1997	--	36.83	15.97	--	20.86	<50	<0.5	<1.0	<1.0	<1.0	<10	6.1	SPL	--	
4/14/1997	--	36.83	17.19	--	19.64	<50	<0.5	<1.0	<1.0	<1.0	<10	5.3	SPL	--	
7/2/1997	--	36.83	18.11	--	18.72	<50	<0.5	<1.0	<1.0	<1.0	<10	5.7	SPL	--	

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

Station #11133, 2220 98th Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
AW-2 Cont.															
9/30/1997	--	36.83	18.52	--	18.31	<50	<0.5	<1.0	<1.0	<1.0	860	5.4	SPL	--	
1/21/1998	--	36.83	14.46	--	22.37	160	13	<1.0	<1.0	<1.0	110	4.9	SPL	--	
4/9/1998	--	36.83	12.85	--	23.98	--	--	--	--	--	--	--	--	--	
4/10/1998	--	36.83	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	3.9	SPL	--	
6/19/1998	--	36.83	14.37	--	22.46	60	<0.5	<1.0	<1.0	<1.0	<10	3.6	SPL	--	
11/30/1998	--	36.83	16.90	--	19.93	--	--	--	--	--	--	--	--	--	
1/21/1999	--	36.83	16.87	--	19.96	<50	<1.0	<1.0	<1.0	<1.0	<1.0	--	SPL	--	
4/30/1999	--	36.83	17.01	--	19.82	--	--	--	--	--	--	--	--	--	
7/9/1999	--	36.83	17.83	--	19.00	--	--	--	--	--	--	--	--	--	
11/3/1999	--	36.83	19.74	--	17.09	--	--	--	--	--	--	--	--	--	
1/12/2000	--	36.83	19.90	--	16.93	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	PACE	--	
4/13/2000	--	36.83	19.75	--	17.08	--	--	--	--	--	--	--	--	--	
7/26/2000	--	36.83	19.86	--	16.97	--	--	--	--	--	--	--	--	--	
10/24/2000	--	36.83	18.77	--	18.06	--	--	--	--	--	--	--	--	--	
1/19/2001	--	36.83	--	--	--	--	--	--	--	--	--	--	--	--	f
7/24/2001	--	36.83	--	--	--	--	--	--	--	--	--	--	--	--	f
1/18/2002	--	36.83	15.17	--	21.66	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--	PACE	--	
8/1/2002	--	36.83	17.17	--	19.66	--	--	--	--	--	--	--	--	--	
1/16/2003	--	36.83	14.81	--	22.02	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	SEQ	--	p
7/7/2003	--	36.83	16.65	--	20.18	--	--	--	--	--	--	--	--	--	
02/05/2004	--	36.83	15.37	--	21.46	<50	3.0	<0.50	<0.50	<0.50	5.1	--	SEQM	6.6	
07/01/2004	--	36.83	17.55	--	19.28	--	--	--	--	--	--	--	--	--	
03/16/2005	P	36.83	14.58	--	22.25	<50	0.75	<0.50	1.1	1.1	<0.50	1.7	SEQM	6.7	
07/22/2005	--	36.83	15.41	--	21.42	--	--	--	--	--	--	--	--	--	
01/25/2006	P	36.83	14.17	--	22.66	280	110	<1.0	3.9	8.7	12	--	SEQM	7.1	
7/6/2006	--	36.83	14.00	--	22.83	--	--	--	--	--	--	--	--	--	
1/8/2007	P	36.83	15.85	--	20.98	1900	550	160	58	180	40	2.09	TAMC	7.2	
7/10/2007	--	36.83	17.25	--	19.58	--	--	--	--	--	--	--	--	--	
1/15/2008	P	36.83	15.75	--	21.08	2,300	900	87	100	140	48	0.83	TAMC	6.79	
AW-3															

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

Station #11133, 2220 98th Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
AW-3 Cont.															
4/5/1991	--	39.13	23.90	--	15.23	5,200	980	450	95	310	--	--	SUP	--	
4/1/1992	--	39.13	22.50	--	16.63	4,700	890	47	43	110	--	--	APP	--	
7/6/1992	--	39.13	23.26	--	15.87	3,900	3,100	30	80	99	--	--	ANA	--	
10/7/1992	--	39.13	24.75	--	14.38	5,000	2,600	<0.5	<0.5	59	--	--	ANA	--	
1/14/1993	--	39.13	23.59	--	15.54	350	250	<0.5	<0.5	<0.5	--	--	PACE	--	m
4/22/1993	--	39.13	19.42	--	19.71	240	71	2.4	0.6	4	--	--	PACE	--	m
7/15/1993	--	39.13	20.09	--	19.04	650	71	2.8	1.5	1.1	37.3	--	PACE	--	c, m
10/21/1993	--	39.13	21.88	--	17.25	160	4.8	1.7	1.6	3.6	8.95	--	PACE	--	m
10/21/1993	--	39.13	--	--	--	170	6.1	2	1.7	4.4	--	--	PACE	--	e
1/27/1994	--	39.13	--	--	--	90	2.9	0.5	<0.5	<0.5	--	--	PACE	--	e
1/27/1994	--	39.13	22.33	--	16.80	92	2.1	<0.5	<0.5	<0.5	7.37	--	PACE	--	m
4/21/1994	--	39.13	20.96	--	18.17	150	3.6	0.8	0.9	2.5	9.36	1.3	PACE	--	m
9/9/1994	--	39.13	21.60	--	17.53	53	<0.5	<0.5	<0.5	<0.5	--	1.9	PACE	--	m
12/21/1994	--	39.13	--	--	--	--	--	--	--	--	--	--	--	--	f
1/30/1995	--	39.13	--	--	--	--	--	--	--	--	--	--	--	--	f
4/10/1995	--	39.13	--	--	--	--	--	--	--	--	--	--	--	--	f
6/29/1995	--	39.13	15.41	--	23.72	<50	<0.50	<0.50	<0.50	<1.0	--	8.0	ATI	--	
9/18/1995	--	39.13	17.83	--	21.30	--	--	--	--	--	--	--	--	--	
9/19/1995	--	39.13	--	--	--	61,000	11,000	2,900	4,100	13,000	790	7.4	ATI	--	
12/7/1995	--	39.13	19.27	--	19.86	<50	<0.50	<0.50	<0.50	<1.0	<5.0	3.4	ATI	--	
12/7/1995	--	39.13	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	--	e
3/28/1996	--	39.13	--	--	--	<50	<0.5	<1	<1	<1	<10	--	SPL	--	e
3/28/1996	--	39.13	13.85	--	25.28	<50	<0.5	<1	<1	<1	<10	4.1	SPL	--	
6/20/1996	--	39.13	14.47	--	24.66	<50	<0.5	<1	<1	<1	<10	4.2	SPL	--	
6/20/1996	--	39.13	--	--	--	<50	<0.5	<1	<1	<1	<10	--	SPL	--	e
10/11/1996	--	39.13	17.97	--	21.16	<50	<0.5	<1.0	<1.0	<1.0	<10	4.7	SPL	--	
10/11/1996	--	39.13	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	--	SPL	--	e
1/2/1997	--	39.13	13.00	--	26.13	<50	<0.5	<1.0	<1.0	<1.0	<10	5.6	SPL	--	
4/14/1997	--	39.13	14.36	--	24.77	<50	<0.5	<1.0	<1.0	<1.0	<10	5.0	SPL	--	
4/15/1997	--	39.13	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	--	SPL	--	e
7/2/1997	--	39.13	15.87	--	23.26	<50	<0.5	<1.0	<1.0	<1.0	<10	5.4	SPL	--	

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Station #11133, 2220 98th Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
AW-3 Cont.															
9/30/1997	--	39.13	17.50	--	21.63	<250	<2.5	<5.0	<5.0	<5.0	810	5.7	SPL	--	
1/21/1998	--	39.13	--	--	--	150	<0.5	<1.0	<1.0	1.2	110	--	SPL	--	e
1/21/1998	--	39.13	11.98	--	27.15	140	<0.5	<1.0	<1.0	<1.0	99	4.6	SPL	--	
4/9/1998	--	39.13	9.45	--	29.68	--	--	--	--	--	--	--	--	--	
4/10/1998	--	39.13	--	--	--	<50	<0.5	<1.0	<1.0	1.6	<10	4.5	SPL	--	
4/10/1998	--	39.13	--	--	--	<50	<0.5	<1.0	1.4	1.7	<10	--	SPL	--	e
6/19/1998	--	39.13	12.13	--	27.00	<50	<0.5	<1.0	<1.0	<1.0	<10	4.4	SPL	--	
11/30/1998	--	39.13	15.91	--	23.22	--	--	--	--	--	--	--	--	--	
1/21/1999	--	39.13	15.93	--	23.20	<50	<1.0	<1.0	<1.0	<1.0	<1.0	--	SPL	--	
4/30/1999	--	39.13	15.98	--	23.15	--	--	--	--	--	--	--	--	--	
7/9/1999	--	39.13	14.58	--	24.55	--	--	--	--	--	--	--	--	--	
11/3/1999	--	39.13	17.43	--	21.70	--	--	--	--	--	--	--	--	--	
1/12/2000	--	39.13	18.30	--	20.83	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	PACE	--	
4/13/2000	--	39.13	18.89	--	20.24	--	--	--	--	--	--	--	--	--	
7/26/2000	--	39.13	18.67	--	20.46	--	--	--	--	--	--	--	--	--	
10/24/2000	--	39.13	18.98	--	20.15	--	--	--	--	--	--	--	--	--	
1/19/2001	--	39.13	16.74	--	22.39	--	--	--	--	--	--	--	--	--	
7/24/2001	--	39.13	18.55	--	20.58	--	--	--	--	--	--	--	--	--	
1/18/2002	--	39.13	14.49	--	24.64	--	--	--	--	--	--	--	--	--	
8/1/2002	--	39.13	14.27	--	24.86	--	--	--	--	--	--	--	--	--	
1/16/2003	--	39.13	14.25	--	24.88	--	--	--	--	--	--	--	--	--	
7/7/2003	--	39.13	14.70	--	24.43	--	--	--	--	--	--	--	--	--	
02/05/2004	--	39.13	14.61	--	24.52	--	--	--	--	--	--	--	--	--	
07/01/2004	--	39.13	15.62	--	23.51	--	--	--	--	--	--	--	--	--	
03/16/2005	P	39.13	12.70	--	26.43	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	SEQM	7.3	
07/22/2005	--	39.13	13.44	--	25.69	--	--	--	--	--	--	--	--	--	
01/25/2006	--	39.13	13.56	--	25.57	--	--	--	--	--	--	--	--	--	
7/6/2006	--	39.13	11.60	--	27.53	--	--	--	--	--	--	--	--	--	
1/8/2007	--	39.13	14.97	--	24.16	--	--	--	--	--	--	--	--	--	
7/10/2007	--	39.13	15.81	--	23.32	--	--	--	--	--	--	--	--	--	
1/15/2008	--	39.13	15.97	--	23.16	--	--	--	--	--	--	--	--	--	

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Station #11133, 2220 98th Ave., Oakland, CA

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						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
AW-3															
AW-4															
4/5/1991	--	39.08	25.12	--	13.96	110,000	40,000	13,000	2,000	5,500	--	--	SUP	--	
4/1/1992	--	39.08	23.56	--	15.52	230,000	57,000	31,000	2,900	7,600	--	--	APP	--	
4/1/1992	--	39.08	--	--	--	210,000	55,000	23,000	2,900	7,000	--	--	APP	--	e
7/6/1992	--	39.08	25.87	--	13.21	38,000	16,000	5,400	2,000	6,100	--	--	ANA	--	
10/7/1992	--	39.08	27.53	--	11.55	120,000	41,000	26,000	4,700	13,000	--	--	ANA	--	
1/14/1993	--	39.08	24.12	--	14.96	62,000	18,000	14,000	2,700	7,700	1,400	--	PACE	--	c, m
4/22/1993	--	39.08	21.47	--	17.61	18,000	1,100	2,100	320	3,500	--	--	PACE	--	m
7/15/1993	--	39.08	23.30	--	15.78	21,000	820	2,300	590	3,800	1,978	--	PACE	--	c, m
10/21/1993	--	39.08	25.08	--	14.00	11,000	570	83	630	2,300	4,600	--	PACE	--	c, m
1/27/1994	--	39.08	24.61	--	14.47	12,000	420	460	600	2,200	6,400	--	PACE	--	c, m
4/21/1994	--	39.08	--	--	--	14,000	71	160	29	1,200	13,000	--	PACE	--	c, e
4/21/1994	--	39.08	22.96	--	16.12	12,000	110	250	150	1,900	16,010	1.5	PACE	--	c, m
9/9/1994	--	39.08	23.85	--	15.23	9,700	75	64	280	2,000	--	2.1	PACE	--	m
12/21/1994	--	39.08	--	--	--	--	--	--	--	--	--	--	--	--	f
1/30/1995	--	39.08	--	--	--	--	--	--	--	--	--	--	--	--	f
4/10/1995	--	39.08	18.07	--	21.01	3,700	69	8.7	44	130	--	8.5	ATI	--	
6/29/1995	--	39.08	19.25	--	19.83	8,000	62	190	190	1,100	--	7.5	ATI	--	
9/18/1995	--	39.08	20.73	--	18.35	--	--	--	--	--	--	--	--	--	
9/19/1995	--	39.08	--	--	--	12,000	660	1,600	200	1,900	7,100	8.3	ATI	--	
12/7/1995	--	39.08	22.49	--	16.59	41,000	8,400	7,200	710	6,300	5,200	3.6	ATI	--	
3/28/1996	--	39.08	16.49	--	22.59	--	--	--	--	--	--	--	--	--	f
6/20/1996	--	39.08	16.00	--	23.08	<50	<0.5	<1	<1	<1	12	--	SPL	--	
10/11/1996	--	39.08	19.52	--	19.56	36,000	12,000	5,500	<25	3,800	880/1000	6.2	SPL	--	g
1/2/1997	--	39.08	15.80	--	23.28	<50	<0.5	<1.0	<1.0	<1.0	22	6.4	SPL	--	
1/2/1997	--	39.08	--	--	--	<50	61	3.8	3.5	8.1	110	--	SPL	--	e
4/14/1997	--	39.08	17.01	--	22.07	--	--	--	--	--	--	--	--	--	
4/15/1997	--	39.08	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	5.4	SPL	--	
7/2/1997	--	39.08	19.68	--	19.40	<50	21	<1.0	<1.0	<1.0	41	4.1	SPL	--	
9/30/1997	--	39.08	22.71	--	16.37	--	--	--	--	--	--	--	--	--	f

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Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
AW-4 Cont.															
1/21/1998	--	39.08	15.89	--	23.19	13,000	2,900	<10	230	314	3,100	3.9	SPL	--	
4/9/1998	--	39.08	13.50	--	25.58	--	--	--	--	--	--	--	--	--	
4/10/1998	--	39.08	--	--	--	890	<0.5	<1	<1	<1	730	4.9	SPL	--	
6/19/1998	--	39.08	14.75	--	24.33	60	<0.5	<1.0	<1.0	<1.0	34	4.3	SPL	--	
11/30/1998	--	39.08	19.25	--	19.83	--	--	--	--	--	--	--	--	--	
1/21/1999	--	39.08	18.94	--	20.14	3,700	830	93	200	360	30	--	--	--	
4/30/1999	--	39.08	19.10	--	19.98	--	--	--	--	--	--	--	--	--	
7/9/1999	--	39.08	18.93	--	20.15	76,000	12,000	6,600	2,000	8,700	320	--	SPL	--	
11/3/1999	--	39.08	20.65	--	18.43	--	--	--	--	--	--	--	--	--	
1/12/2000	--	39.08	21.21	--	17.87	67,000	12,000	3,500	2,900	15,000	280	--	PACE	--	
4/13/2000	--	39.08	21.33	--	17.75	--	--	--	--	--	--	--	--	--	
5/24/2000	--	39.08	19.84	--	19.24	--	--	--	--	--	--	--	--	--	
6/1/2000	--	39.08	19.04	--	20.04	--	--	--	--	--	--	--	--	--	
6/8/2000	--	39.08	18.32	--	20.76	--	--	--	--	--	--	--	--	--	
6/15/2000	--	39.08	16.70	--	22.38	--	--	--	--	--	--	--	--	--	
7/26/2000	--	39.08	21.50	--	17.58	910	<0.5	<0.5	<0.5	<0.5	3,500	--	PACE	--	
10/24/2000	--	39.08	22.00	--	17.08	--	--	--	--	--	--	--	--	--	
1/19/2001	--	39.08	18.97	--	20.11	6,600	2,460	24	497	534	267	--	PACE	--	
7/24/2001	--	39.08	18.55	--	20.53	5,100	1,080	143	409	827	115	--	PACE	--	
1/18/2002	--	39.08	17.22	--	21.86	3,900	442	241	157	681	85.3	--	PACE	--	
8/1/2002	--	39.08	--	--	--	--	--	--	--	--	--	--	--	--	f
1/16/2003	--	39.08	16.85	--	22.23	2,900	260	160	120	590	<120	--	SEQ	--	p
7/7/2003	--	39.08	17.94	--	21.14	600	90	7.9	18	36	56	--	SEQ	--	q
02/05/2004	--	39.08	16.94	--	22.14	420	40	3.1	15	27	40	--	SEQM	6.8	
07/01/2004	P	39.08	18.24	--	20.84	6,000	970	200	310	1,500	64	--	SEQM	6.7	
03/16/2005	P	39.08	16.16	--	22.92	3,600	71	31	200	870	23	0.6	SEQM	6.5	
07/22/2005	P	39.08	15.89	--	23.19	4,800	750	48	300	840	59	--	SEQM	6.7	
01/25/2006	P	39.08	15.48	--	23.60	<500	13	<5.0	14	62	12	--	SEQM	7.0	
7/6/2006	P	39.08	14.87	--	24.21	2,800	430	21	230	680	39	--	TAMC	6.7	
1/8/2007	P	39.08	16.48	--	22.60	190	6.6	<0.50	4.1	14	38	3.00	TAMC	6.80	
7/10/2007	P	39.08	17.95	--	21.13	160	2.7	<0.50	0.90	1.0	27	2.54	TAMC	7.19	

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

Station #11133, 2220 98th Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
AW-4 Cont.															
1/15/2008	P	39.08	17.70	--	21.38	150	<0.50	<0.50	0.71	<0.50	17	1.30	TAMC	6.75	
AW-5															
4/5/1991	--	38.51	25.48	--	13.03	420	31	7.5	20	68	--	--	SUP	--	
4/1/1992	--	38.51	23.95	--	14.56	--	--	--	--	--	--	--	--	--	
4/2/1992	--	38.51	--	--	--	4,000	270	63	190	290	--	--	APP	--	
7/6/1992	--	38.51	26.48	--	12.03	1,400	160	<2.5	250	58	--	--	ANA	--	
10/7/1992	--	38.51	28.18	--	10.33	360	12	0.6	8.7	5	--	--	ANA	--	
1/14/1993	--	38.51	24.15	--	14.36	1,700	270	7.5	130	62	--	--	PACE	--	m
4/22/1993	--	38.51	22.43	--	16.08	2,700	780	30	220	180	--	--	PACE	--	m
4/22/1993	--	38.51	--	--	--	3,500	780	29	240	210	--	--	PACE	--	m, e
7/15/1993	--	38.51	24.31	--	14.20	1,300	69	16	67	120	<50	--	PACE	--	m
7/15/1993	--	38.51	--	--	--	1,300	68	8.3	64	99	<50	--	PACE	--	m, e
10/21/1993	--	38.51	26.05	--	12.46	510	9.6	1.5	17	45	75	--	PACE	--	c, m
1/27/1994	--	38.51	26.42	--	12.09	420	3.3	<0.5	1	0.9	48.9	--	PACE	--	m
4/21/1994	--	38.51	24.36	--	14.15	1,000	110	25	56	27	75	1.3	PACE	--	c, m
9/9/1994	--	38.51	24.55	--	13.96	210	<0.5	<0.5	0.5	0.9	--	2.7	PACE	--	m
12/21/1994	--	38.51	22.30	--	16.21	410	<0.5	20	4.3	1.4	114	1.1	PACE	--	m
12/21/1994	--	38.51	--	--	--	340	<0.5	15	3.3	1.4	104	--	PACE	--	m, e
1/30/1995	--	38.51	18.88	--	19.63	210	0.6	11	8.8	2	--	1.5	ATI	--	
4/10/1995	--	38.51	18.44	--	20.07	500	1.4	0.59	6.5	4.3	--	8.3	ATI	--	
6/29/1995	--	38.51	19.92	--	18.59	490	1.2	0.58	7.3	2.2	--	6.9	ATI	--	d
9/18/1995	--	38.51	22.15	--	16.36	--	--	--	--	--	--	--	--	--	
9/19/1995	--	38.51	--	--	--	260	0.62	<0.50	3.1	1.1	110	8.2	ATI	--	
12/7/1995	--	38.51	23.75	--	14.76	60	<0.50	<0.50	<0.50	<1.0	210	4.3	ATI	--	
3/28/1996	--	38.51	17.76	--	20.75	<50	<0.5	<1	<1	<1	63	3.0	SPL	--	
6/20/1996	--	38.51	18.46	--	20.05	<50	<0.5	<1	<1	<1	<10	3.6	SPL	--	
10/11/1996	--	38.51	21.84	--	16.67	<50	<0.5	<1.0	<1.0	<1.0	<10	4.5	SPL	--	
1/2/1997	--	38.51	18.01	--	20.50	<50	<0.5	<1.0	<1.0	<1.0	<10	4.6	SPL	--	
4/14/1997	--	38.51	19.35	--	19.16	<50	<0.5	<1.0	<1.0	<1.0	<10	5.1	SPL	--	
7/2/1997	--	38.51	20.29	--	18.22	<50	<0.5	<1.0	<1.0	<1.0	<10	4.0	SPL	--	

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

Station #11133, 2220 98th Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
AW-5 Cont.															
9/30/1997	--	38.51	23.15	--	15.36	<250	<2.5	<5.0	<5.0	<5.0	1,300	6.3	SPL	--	
1/21/1998	--	38.51	17.33	--	21.18	6,100	<0.5	2.1	<1.0	<1.0	3,700	4.5	SPL	--	
4/9/1998	--	38.51	15.25	--	23.26	--	--	--	--	--	--	--	--	--	
4/10/1998	--	38.51	--	--	--	3,500	<0.5	<1.0	<1.0	<1.0	3,000	5.4	SPL	--	
6/19/1998	--	38.51	17.39	--	21.12	3,300	<0.5	<1.0	<1.0	<1.0	2,500	5.2	SPL	--	
11/30/1998	--	38.51	--	--	--	--	--	--	--	--	--	--	--	--	f
1/21/1999	--	38.51	21.22	--	17.29	2,800	<1.0	<1.0	<1.0	<1.0	1,800	--	SPL	--	
4/30/1999	--	38.51	21.50	--	17.01	--	--	--	--	--	--	--	--	--	
7/9/1999	--	38.51	20.15	--	18.36	4,000	<1.0	<1.0	<1.0	<1.0	3400/3500	--	SPL	--	g
11/3/1999	--	38.51	22.04	--	16.47	--	--	--	--	--	--	--	--	--	
1/12/2000	--	38.51	22.59	--	15.92	1,000	7.3	30	6.7	40	4,600	--	PACE	--	j (TPH-g/GRO)
4/13/2000	--	38.51	23.11	--	15.40	--	--	--	--	--	--	--	--	--	
7/26/2000	--	38.51	22.72	--	15.79	1,800	94	35	5.9	27	16,000	--	PACE	--	
10/24/2000	--	38.51	20.15	--	18.36	--	--	--	--	--	--	--	--	--	
1/19/2001	--	38.51	19.79	--	18.72	2,600	<0.5	<0.5	<0.5	<0.5	4,580	--	PACE	--	
7/24/2001	--	38.51	20.17	--	18.34	5,400	18.4	17.2	<12.5	40.8	5,170	--	PACE	--	
1/18/2002	--	38.51	17.34	--	21.17	3,800	343	0.738	<0.5	<1.0	3,750	--	PACE	--	
8/1/2002	--	38.51	19.49	--	19.02	5,300	<12.5	<12.5	<12.5	<25	3,470	--	PACE	--	
1/16/2003	--	38.51	17.30	--	21.21	1,400	140	<10	<10	<10	1,600	--	SEQ	--	p
7/7/2003	--	38.51	18.43	--	20.08	1,400	<10	<10	<10	<10	980	--	SEQ	--	q
02/05/2004	--	38.51	17.24	--	21.27	1,800	<10	<10	<10	<10	810	--	SEQM	6.7	
07/01/2004	P	38.51	19.43	--	19.08	1,100	<5.0	<5.0	<5.0	<5.0	550	--	SEQM	6.6	
03/16/2005	P	38.51	15.30	--	23.21	<5,000	<50	<50	<50	130	890	2.1	SEQM	6.7	
07/22/2005	P	38.51	17.22	--	21.29	<500	5.2	<5.0	<5.0	6.9	390	--	SEQM	6.6	
01/25/2006	P	38.51	15.28	--	23.23	<500	<5.0	<5.0	<5.0	<5.0	26	--	SEQM	7.0	
7/6/2006	P	38.51	15.93	--	22.58	220	<5.0	<5.0	<5.0	<5.0	170	--	TAMC	6.5	
1/8/2007	P	38.51	17.90	--	20.61	170	<2.5	<2.5	<2.5	<2.5	220	5.22	TAMC	6.84	
7/10/2007	P	38.51	19.00	--	19.51	350	<2.5	<2.5	<2.5	<2.5	360	1.96	TAMC	7.02	
1/15/2008	P	38.51	18.16	--	20.35	130	0.54	<0.50	<0.50	<0.50	85	0.90	TAMC	6.82	w
AW-6															

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Station #11133, 2220 98th Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
AW-6 Cont.															
4/5/1991	--	37.08	22.48	--	14.60	1,100	80	19	1.4	230	--	--	SUP	--	
4/1/1992	--	37.08	22.50	--	14.58	--	--	--	--	--	--	--	--	--	
4/2/1992	--	37.08	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	APP	--	
7/6/1992	--	37.08	22.74	--	14.34	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	
10/7/1992	--	37.08	24.64	--	12.44	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	
1/14/1993	--	37.08	22.36	--	14.72	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	m
4/22/1993	--	37.08	22.82	--	14.26	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	m
7/15/1993	--	37.08	20.49	--	16.59	<50	<0.5	<0.5	<0.5	0.8	<5.0	--	PACE	--	m
10/21/1993	--	37.08	22.84	--	14.24	<50	0.5	0.6	<0.5	0.7	<5.0	--	PACE	--	m
1/27/1994	--	37.08	22.33	--	14.75	<50	<0.5	0.9	3.1	12	<5.0	--	PACE	--	m
4/21/1994	--	37.08	20.66	--	16.42	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.7	PACE	--	m
9/9/1994	--	37.08	21.57	--	15.51	<50	0.9	<0.5	<0.5	0.5	--	2.9	PACE	--	m
12/21/1994	--	37.08	19.40	--	17.68	<50	1.8	0.8	0.8	3.2	5.19	1.1	PACE	--	m
1/30/1995	--	37.08	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	ATI	--	e
1/30/1995	--	37.08	16.74	--	20.34	<50	<0.50	<0.50	<0.50	<1.0	--	2.2	ATI	--	
4/10/1995	--	37.08	16.01	--	21.07	<50	<0.50	<0.50	<0.50	<1.0	--	8.6	ATI	--	
6/29/1995	--	37.08	17.54	--	19.54	<50	<0.50	<0.50	<0.50	<1.0	--	6.3	ATI	--	
9/18/1995	--	37.08	19.65	--	17.43	--	--	--	--	--	--	--	--	--	
9/19/1995	--	37.08	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	25	8.3	ATI	--	
12/7/1995	--	37.08	20.35	--	16.73	<50	<0.50	<0.50	<0.50	<1.0	16	4.7	ATI	--	
3/28/1996	--	37.08	14.99	--	22.09	<50	<0.5	<1	<1	<1	<10	4.0	SPL	--	
6/20/1996	--	37.08	15.59	--	21.49	<50	<0.5	<1	<1	<1	<10	4.6	SPL	--	
10/11/1996	--	37.08	19.09	--	17.99	<50	<0.5	<1.0	<1.0	<1.0	<10	5.3	SPL	--	
1/2/1997	--	37.08	15.11	--	21.97	<50	<0.5	<1.0	<1.0	<1.0	<10	5.5	SPL	--	
4/14/1997	--	37.08	16.25	--	20.83	<50	<0.5	<1.0	<1.0	<1.0	<10	3.9	SPL	--	
7/2/1997	--	37.08	17.99	--	19.09	<50	<0.5	<1.0	<1.0	<1.0	<10	5.2	SPL	--	
9/30/1997	--	37.08	20.50	--	16.58	<50	<0.5	<1.0	<1.0	<1.0	<10	6.0	SPL	--	
1/21/1998	--	37.08	15.72	--	21.36	160	<0.5	<1.0	<1.0	<1.0	110	5.0	SPL	--	
4/9/1998	--	37.08	13.31	--	23.77	--	--	--	--	--	--	--	--	--	
4/10/1998	--	37.08	--	--	--	370	<0.5	<1.0	<1.0	<1.0	300	4.3	SPL	--	
6/19/1998	--	37.08	15.18	--	21.90	830	2	<1.0	<1.0	<1.0	690	4.0	SPL	--	

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

Station #11133, 2220 98th Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
AW-6 Cont.															
11/30/1998	--	37.08	--	--	--	--	--	--	--	--	--	--	--	--	f
1/21/1999	--	37.08	15.78	--	21.30	2,300	<1.0	<1.0	<1.0	<1.0	1,900	--	SPL	--	
4/30/1999	--	37.08	16.01	--	21.07	--	--	--	--	--	--	--	--	--	
7/9/1999	--	37.08	17.63	--	19.45	--	--	--	--	--	--	--	--	--	
11/3/1999	--	37.08	18.42	--	18.66	--	--	--	--	--	--	--	--	--	
1/12/2000	--	37.08	19.92	--	17.16	<50	<0.5	<0.5	<0.5	<0.5	2,700	--	PACE	--	
4/13/2000	--	37.08	19.87	--	17.21	--	--	--	--	--	--	--	--	--	
7/26/2000	--	37.08	19.99	--	17.09	--	--	--	--	--	--	--	--	--	
10/24/2000	--	37.08	18.12	--	18.96	--	--	--	--	--	--	--	--	--	
1/19/2001	--	37.08	17.04	--	20.04	2,700	<0.5	<0.5	<0.5	<0.5	4,850	--	PACE	--	
7/24/2001	--	37.08	17.83	--	19.25	--	--	--	--	--	--	--	--	--	
1/18/2002	--	37.08	15.54	--	21.54	5,500	614	<0.5	<0.5	<1.0	5,390	--	PACE	--	
8/1/2002	--	37.08	16.98	--	20.10	--	--	--	--	--	--	--	--	--	
1/16/2003	--	37.08	15.05	--	22.03	2,900	<20	<20	<20	63	2,500	--	SEQ	--	p
7/7/2003	--	37.08	16.58	--	20.50	--	--	--	--	--	--	--	--	--	
02/05/2004	--	37.08	15.84	--	21.24	7,000	<50	<50	<50	<50	5,400	--	SEQM	6.7	
07/01/2004	P	37.08	17.91	--	19.17	9,600	<50	<50	<50	<50	4,600	--	SEQM	6.5	
03/16/2005	P	37.08	16.04	--	21.04	6,700	<25	<25	<25	<25	4,400	3.0	SEQM	6.8	
07/22/2005	P	37.08	14.20	--	22.88	<5,000	<50	<50	<50	<50	5,500	--	SEQM	6.7	
01/25/2006	P	37.08	14.17	--	22.91	<5,000	<50	<50	<50	<50	3,000	--	SEQM	7.0	
7/6/2006	P	37.08	14.82	--	22.26	3,100	<50	<50	<50	<50	2,800	--	TAMC	6.5	
1/8/2007	P	37.08	15.72	--	21.36	5100	<50	<50	<50	<50	7400	3.18	TAMC	6.78	
7/10/2007	P	37.08	16.99	--	20.09	3,700	<100	<100	<100	<100	3,900	2.09	TAMC	6.83	w
1/15/2008	P	37.08	15.55	--	21.53	120	1.1	<1.0	<1.0	<1.0	150	0.58	TAMC	6.80	w
AW-7															
4/5/1991	--	37.60	23.38	--	14.22	<50	0.4	0.7	<0.3	<0.3	--	--	SUP	--	
4/1/1992	--	37.60	21.92	--	15.68	--	--	--	--	--	--	--	--	--	
4/2/1992	--	37.60	--	--	--	<50	<0.5	3.2	1	5.4	--	--	APP	--	
7/6/1992	--	37.60	24.50	--	13.10	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	
10/7/1992	--	37.60	26.18	--	11.42	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	

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Station #11133, 2220 98th Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
AW-7 Cont.															
1/14/1993	--	37.60	22.03	--	15.57	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	m
4/22/1993	--	37.60	21.18	--	16.42	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	m
7/15/1993	--	37.60	22.09	--	15.51	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	--	m
10/21/1993	--	37.60	24.05	--	13.55	51	5	4.2	3.5	8.2	<5.0	--	PACE	--	m
1/27/1994	--	37.60	23.40	--	14.20	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	--	m
4/21/1994	--	37.60	22.24	--	15.36	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.5	PACE	--	m
9/9/1994	--	37.60	22.94	--	14.66	<50	<0.5	<0.5	<0.5	0.5	--	4.3	PACE	--	m
12/21/1994	--	37.60	20.86	--	16.74	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.2	PACE	--	m
1/30/1995	--	37.60	17.51	--	20.09	<50	<0.50	<0.50	<0.50	<1.0	--	2.7	ATI	--	
4/10/1995	--	37.60	16.69	--	20.91	<50	<0.50	<0.50	<0.50	<1.0	--	4.8	ATI	--	
6/29/1995	--	37.60	18.33	--	19.27	<50	<0.50	<0.50	<0.50	<1.0	--	7.6	ATI	--	
9/18/1995	--	37.60	20.68	--	16.92	--	--	--	--	--	--	--	--	--	
9/19/1995	--	37.60	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	5.1	ATI	--	
12/7/1995	--	37.60	22.15	--	15.45	<50	<0.50	<0.50	<0.50	<1.0	<5.0	5.2	ATI	--	
3/28/1996	--	37.60	16.38	--	21.22	<50	<0.5	<1	<1	<1	<10	3.9	SPL	--	
6/20/1996	--	37.60	17.02	--	20.58	<50	<0.5	<1	<1	<1	<10	5.0	SPL	--	
10/11/1996	--	37.60	20.47	--	17.13	<50	<0.5	<1.0	<1.0	<1.0	<10	6.3	SPL	--	
1/2/1997	--	37.60	16.70	--	20.90	<50	<0.5	<1.0	<1.0	<1.0	<10	6.2	SPL	--	
4/14/1997	--	37.60	17.96	--	19.64	<50	<0.5	<1.0	<1.0	<1.0	<10	5.0	SPL	--	
7/2/1997	--	37.60	19.11	--	18.49	<50	<0.5	<1.0	<1.0	<1.0	<10	5.4	SPL	--	
9/30/1997	--	37.60	22.97	--	14.63	<250	<2.5	<5.0	<5.0	<5.0	1,100	6.5	SPL	--	
1/21/1998	--	37.60	16.50	--	21.10	<50	<0.5	<1.0	<1.0	<1.0	<10	4.9	SPL	--	
4/9/1998	--	37.60	13.56	--	24.04	<50	<0.5	<1.0	<1.0	<1.0	<10	4.9	SPL	--	
6/19/1998	--	37.60	15.41	--	22.19	<50	<0.5	<1.0	<1.0	<1.0	<10	4.4	SPL	--	
11/30/1998	--	37.60	18.90	--	18.70	--	--	--	--	--	--	--	--	--	
1/21/1999	--	37.60	18.39	--	19.21	--	--	--	--	--	--	--	--	--	
4/30/1999	--	37.60	18.54	--	19.06	--	--	--	--	--	--	--	--	--	
7/9/1999	--	37.60	17.98	--	19.62	--	--	--	--	--	--	--	--	--	
11/3/1999	--	37.60	20.22	--	17.38	--	--	--	--	--	--	--	--	--	
1/12/2000	--	37.60	19.46	--	18.14	--	--	--	--	--	--	--	--	--	
4/13/2000	--	37.60	19.59	--	18.01	--	--	--	--	--	--	--	--	--	

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

Station #11133, 2220 98th Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
AW-7 Cont.															
7/26/2000	--	37.60	19.69	--	17.91	--	--	--	--	--	--	--	--	--	--
10/24/2000	--	37.60	18.78	--	18.82	--	--	--	--	--	--	--	--	--	--
1/19/2001	--	37.60	--	--	--	--	--	--	--	--	--	--	--	--	f
7/25/2001	--	37.60	--	--	--	--	--	--	--	--	--	--	--	--	f
1/18/2002	--	37.60	--	--	--	--	--	--	--	--	--	--	--	--	o
8/1/2002	--	37.60	--	--	--	--	--	--	--	--	--	--	--	--	o
1/16/2003	--	37.60	--	--	--	--	--	--	--	--	--	--	--	--	o
7/7/2003	--	37.60	--	--	--	--	--	--	--	--	--	--	--	--	o
02/05/2004	--	37.60	--	--	--	--	--	--	--	--	--	--	--	--	o
07/01/2004	--	37.60	--	--	--	--	--	--	--	--	--	--	--	--	o
03/16/2005	--	37.60	--	--	--	--	--	--	--	--	--	--	--	--	o
07/22/2005	--	37.60	--	--	--	--	--	--	--	--	--	--	--	--	o
01/25/2006	--	37.60	--	--	--	--	--	--	--	--	--	--	--	--	o
AW-8															
4/5/1991	--	40.86	26.68	--	14.18	80	1.9	2.2	0.5	1.3	--	--	SUP	--	
4/1/1992	--	40.86	25.11	--	15.75	73	<0.5	0.7	<0.5	0.6	--	--	APP	--	
7/6/1992	--	40.86	26.43	--	14.43	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	
10/7/1992	--	40.86	28.59	--	12.27	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	
1/14/1993	--	40.86	25.55	--	15.31	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	m
4/22/1993	--	40.86	22.29	--	18.57	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	m
7/15/1993	--	40.86	23.42	--	17.44	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	--	m
10/21/1993	--	40.86	25.15	--	15.71	<50	1.9	1.8	1.3	3.3	<5.0	--	PACE	--	m
1/27/1994	--	40.86	25.42	--	15.44	<50	<0.5	0.5	0.6	8.5	<5.0	--	PACE	--	m
4/21/1994	--	40.86	24.14	--	16.72	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.5	PACE	--	m
9/9/1994	--	40.86	24.55	--	16.31	<50	<0.5	<0.5	<0.5	<0.5	--	2.4	PACE	--	m
12/21/1994	--	40.86	22.72	--	18.14	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.1	PACE	--	m
1/30/1995	--	40.86	19.75	--	21.11	<50	<0.50	1	<0.50	1	--	0.8	ATI	--	
4/10/1995	--	40.86	17.78	--	23.08	<50	<0.50	<0.50	<0.50	<1.0	--	8.3	ATI	--	
6/29/1995	--	40.86	18.18	--	22.68	<50	<0.50	<0.50	<0.50	<1.0	--	8.3	ATI	--	
9/18/1995	--	40.86	20.20	--	20.66	--	--	--	--	--	--	--	--	--	

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Station #11133, 2220 98th Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
AW-8 Cont.															
9/19/1995	--	40.86	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	7.7	ATI	--	
12/7/1995	--	40.86	21.54	--	19.32	<50	<0.50	<0.50	<0.50	<1.0	<5.0	4.4	ATI	--	
3/28/1996	--	40.86	15.77	--	25.09	<50	<0.5	<1	<1	<1	<10	3.8	SPL	--	
6/20/1996	--	40.86	16.41	--	24.45	<50	<0.5	<1	<1	<1	<10	3.6	SPL	--	
10/11/1996	--	40.86	19.90	--	20.96	<50	<0.5	<1.0	<1.0	<1.0	<10	6.4	SPL	--	
1/2/1997	--	40.86	15.89	--	24.97	<50	<0.5	<1.0	<1.0	<1.0	<10	5.9	SPL	--	
4/14/1997	--	40.86	17.07	--	23.79	<50	<0.5	<1.0	<1.0	<1.0	<10	4.6	SPL	--	
7/2/1997	--	40.86	18.67	--	22.19	<50	<0.5	<1.0	<1.0	<1.0	<10	5.6	SPL	--	
9/30/1997	--	40.86	22.52	--	18.34	<50	<5	<10	<10	<10	820	6.7	SPL	--	
1/21/1998	--	40.86	16.01	--	24.85	<50	<0.5	<1.0	<1.0	<1.0	<10	5.2	SPL	--	
4/9/1998	--	40.86	11.18	--	29.68	<50	<0.5	<1.0	<1.0	<1.0	<10	4.4	SPL	--	
6/19/1998	--	40.86	13.01	--	27.85	<50	<0.5	<1.0	<1.0	<1.0	<10	4.1	SPL	--	
11/30/1998	--	40.86	17.46	--	23.40	--	--	--	--	--	--	--	--	--	
1/21/1999	--	40.86	17.47	--	23.39	--	--	--	--	--	--	--	--	--	
4/30/1999	--	40.86	17.60	--	23.26	--	--	--	--	--	--	--	--	--	
7/9/1999	--	40.86	16.50	--	24.36	--	--	--	--	--	--	--	--	--	
11/3/1999	--	40.86	19.29	--	21.57	--	--	--	--	--	--	--	--	--	
1/12/2000	--	40.86	21.49	--	19.37	--	--	--	--	--	--	--	--	--	
4/13/2000	--	40.86	21.60	--	19.26	--	--	--	--	--	--	--	--	--	
7/26/2000	--	40.86	21.53	--	19.33	--	--	--	--	--	--	--	--	--	
10/24/2000	--	40.86	19.37	--	21.49	--	--	--	--	--	--	--	--	--	
1/19/2001	--	40.86	18.60	--	22.26	--	--	--	--	--	--	--	--	--	
7/24/2001	--	40.86	18.22	--	22.64	--	--	--	--	--	--	--	--	--	
1/18/2002	--	40.86	16.29	--	24.57	--	--	--	--	--	--	--	--	--	
8/1/2002	--	40.86	17.25	--	23.61	--	--	--	--	--	--	--	--	--	
1/16/2003	--	40.86	15.82	--	25.04	--	--	--	--	--	--	--	--	--	
7/7/2003	--	40.86	18.55	--	22.31	--	--	--	--	--	--	--	--	--	
02/05/2004	--	40.86	--	--	--	--	--	--	--	--	--	--	--	--	t
07/01/2004	--	40.86	18.25	--	22.61	--	--	--	--	--	--	--	--	--	t
03/16/2005	P	40.86	15.20	--	25.66	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	SEQM	7.3	
07/22/2005	--	40.86	--	--	--	--	--	--	--	--	--	--	--	--	f

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Station #11133, 2220 98th Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
AW-8 Cont.															
01/25/2006	--	40.86	--	--	--	--	--	--	--	--	--	--	--	--	f
7/6/2006	--	40.86	13.05	--	27.81	--	--	--	--	--	--	--	--	--	
1/8/2007	--	40.86	16.57	--	24.29	--	--	--	--	--	--	--	--	--	
7/10/2007	--	40.86	17.73	--	23.13	--	--	--	--	--	--	--	--	--	
1/15/2008	--	40.86	17.88	--	22.98	--	--	--	--	--	--	--	--	--	
AW-9															
1/2/1997	--	37.78	10.00	--	27.78	<50	<0.5	<1.0	<1.0	<1.0	<10	6.7	SPL	--	
4/14/1997	--	37.78	--	--	--	--	--	--	--	--	--	--	--	--	f
7/2/1997	--	37.78	12.71	--	25.07	<50	<0.5	<1.0	<1.0	<1.0	<10	6.0	SPL	--	
9/30/1997	--	37.78	21.22	--	16.56	<50	<0.5	<1.0	<1.0	<1.0	<10	6.8	SPL	--	
1/21/1998	--	37.78	10.26	--	27.52	<50	<0.5	<1.0	<1.0	<1.0	<10	5.3	SPL	--	
4/9/1998	--	37.78	6.77	--	31.01	<50	<0.5	<1.0	<1.0	<1.0	<10	5.6	SPL	--	
6/19/1998	--	37.78	8.96	--	28.82	<50	<0.5	<1.0	<1.0	<1.0	<10	4.8	SPL	--	
1/8/2007	--	37.78	17.35	--	20.43	--	--	--	--	--	--	--	--	--	
7/10/2007	--	37.78	18.65	--	19.13	--	--	--	--	--	--	--	--	--	
1/15/2008	--	37.78	18.51	--	19.27	--	--	--	--	--	--	--	--	--	
MW-1															
4/5/1991	--	34.46	--	--	--	--	--	--	--	--	--	--	--	--	
4/1/1992	--	34.46	11.25	--	23.21	--	--	--	--	--	--	--	--	--	
7/6/1992	--	34.46	13.61	--	20.85	--	--	--	--	--	--	--	--	--	
10/7/1992	--	34.46	15.15	--	19.31	--	--	--	--	--	--	--	--	--	
1/14/1993	--	34.46	10.73	--	23.73	--	--	--	--	--	--	--	--	--	
4/22/1993	--	34.46	11.64	--	22.82	--	--	--	--	--	--	--	--	--	
7/15/1993	--	34.46	13.50	--	20.96	--	--	--	--	--	--	--	--	--	
10/21/1993	--	34.46	15.21	--	19.25	--	--	--	--	--	--	--	--	--	
1/27/1994	--	34.46	17.48	--	16.98	--	--	--	--	--	--	--	--	--	
4/21/1994	--	34.46	10.94	--	23.52	110,000	1,400	9,100	3,400	30,000	11,000	1.6	PACE	--	c
9/9/1994	--	34.46	13.80	--	20.66	--	--	--	--	--	--	--	--	--	
12/21/1994	--	34.46	12.60	--	21.86	--	--	--	--	--	--	--	--	--	

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						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-1 Cont.															
1/30/1995	--	34.46	--	--	--	--	--	--	--	--	--	--	--	--	
4/10/1995	--	34.46	10.62	--	23.84	--	--	--	--	--	--	--	--	--	
6/29/1995	--	34.46	18.72	--	15.74	--	--	--	--	--	--	--	--	--	
9/18/1995	--	34.46	12.92	--	21.54	--	--	--	--	--	--	--	--	--	
12/7/1995	--	34.46	13.82	--	20.64	--	--	--	--	--	--	--	--	--	
3/28/1996	--	34.46	10.03	--	24.43	--	--	--	--	--	--	--	--	--	
6/20/1996	--	34.46	11.29	--	23.17	--	--	--	--	--	--	--	--	--	
10/11/1996	--	34.46	14.86	--	19.60	--	--	--	--	--	--	--	--	--	
1/2/1997	--	34.46	11.03	--	23.43	--	--	--	--	--	--	--	--	--	
4/14/1997	--	34.46	12.25	--	22.21	--	--	--	--	--	--	--	--	--	
4/15/1997	--	34.46	--	--	--	35,000	130	650	1,700	8,200	4,800	--	SPL	--	
7/2/1997	--	34.46	14.11	--	20.35	42,000	<250	<500	2,000	9,600	<5000	5.5	SPL	--	
9/30/1997	--	34.46	14.40	--	20.06	61,000	130	1,100	2,700	14,600	2,000	6.7	SPL	--	
1/21/1998	--	34.46	7.99	--	26.47	14,000	11	60	310	1,790	1,300	4.5	SPL	--	
4/9/1998	--	34.46	7.89	--	26.57	--	--	--	--	--	--	--	--	--	
4/10/1998	--	34.46	--	--	--	45,000	380	520	2,100	6,800	9,300	5.3	SPL	--	
6/19/1998	--	34.46	10.31	--	24.15	35,000	170	100	1,100	3,590	5,000	4.9	SPL	--	
11/30/1998	--	34.46	11.16	--	23.30	10,000	100	24	350	1,040	1800/2800	--	SPL	--	g
1/21/1999	--	34.46	10.76	--	23.70	18,000	120	37	590	1,800	2,700	--	SPL	--	
4/30/1999	--	34.46	10.78	--	23.68	17,000	240	89	1,100	1,900	1,600	--	SPL	--	
7/9/1999	--	34.46	12.62	--	21.84	58,000	140	100	1,800	6,900	1,200	--	SPL	--	
11/3/1999	--	34.46	14.00	--	20.46	20,000	62	42	620	2,100	630	--	PACE	--	
1/12/2000	--	34.46	15.25	--	19.21	72,000	110	120	2,400	8,200	630	--	PACE	--	
4/13/2000	--	34.46	15.57	--	18.89	37,000	300	32	1,000	1,700	810	--	PACE	--	
5/24/2000	--	34.46	11.75	--	22.71	--	--	--	--	--	--	--	--	--	
6/1/2000	--	34.46	11.41	--	23.05	--	--	--	--	--	--	--	--	--	
6/8/2000	--	34.46	11.68	--	22.78	--	--	--	--	--	--	--	--	--	
6/15/2000	--	34.46	11.85	--	22.61	--	--	--	--	--	--	--	--	--	
7/26/2000	--	34.46	16.19	--	18.27	10,000	480	210	470	710	1,100	--	PACE	--	
10/24/2000	--	34.46	13.89	--	20.57	9,900	31	7.2	550	1,200	4,400	--	PACE	--	
1/19/2001	--	34.46	12.90	--	21.56	57,000	199	7.66	1,170	3,260	514	--	PACE	--	

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						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-1 Cont.															
7/24/2001	--	34.46	13.55	--	20.91	27,000	96.7	<5.0	548	1,460	285	--	PACE	--	
1/18/2002	--	34.46	10.91	--	23.55	25,000	150	31.5	597	1,040	138	--	PACE	--	
8/1/2002	--	34.46	12.97	--	21.49	25,000	80.2	17.7	714	1,280	489	--	PACE	--	
1/16/2003	--	34.46	10.45	--	24.01	22,000	170	110	630	670	<500	--	SEQ	--	p
7/7/2003	--	34.46	12.40	--	22.06	9,900	42	<5.0	160	150	24	--	SEQ	--	q, u
02/05/2004	--	34.46	10.26	--	24.20	6,200	56	11	250	210	9.2	--	SEQM	6.9	
07/01/2004	--	34.46	13.20	--	21.26	18,000	<50	<50	210	300	<50	--	SEQM	--	u
03/16/2005	P	34.46	9.62	--	24.84	7,600	33	5.4	200	130	<5.0	0.9	SEQM	6.9	
07/22/2005	P	34.46	11.23	--	23.23	15,000	<10	<10	110	130	<10	--	SEQM	6.8	u
01/25/2006	P	34.46	8.75	--	25.71	8,300	8.4	4.8	130	120	<2.5	--	SEQM	7.3	u
7/6/2006	P	34.46	10.36	--	24.10	5,100	<2.5	<2.5	16	12	<2.5	--	TAMC	6.9	
1/8/2007	P	34.46	11.55	--	22.91	2700	4.6	0.66	35	27	2.1	1.83	TAMC	6.92	
7/10/2007	P	34.46	13.01	SHEEN	21.45	1,800	1.9	<0.50	13	4.8	2.4	2.16	TAMC	7.04	
1/15/2008	P	34.46	10.96	--	23.50	2,900	8.0	4.0	84	87	1.2	0.94	TAMC	7.13	
MW-2															
4/5/1991	--	35.50	16.62	--	18.88	<50	0.6	0.9	<0.3	<0.3	--	--	SUP	--	
4/1/1992	--	35.50	11.25	--	24.25	--	--	--	--	--	--	--	--	--	
4/2/1992	--	35.50	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	APP	--	
7/6/1992	--	35.50	12.72	--	22.78	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	
10/7/1992	--	35.50	15.08	--	20.42	<50	<0.5	1.8	<0.5	2.3	--	--	ANA	--	
1/14/1993	--	35.50	9.69	--	25.81	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	m
4/22/1993	--	35.50	10.46	--	25.04	<50	<0.5	<0.5	<0.5	<0.5	30	--	PACE	--	c
7/15/1993	--	35.50	12.02	--	23.48	<50	<0.5	<0.5	<0.5	<0.5	21.7	--	PACE	--	c, m
10/21/1993	--	35.50	13.12	--	22.38	<50	0.7	0.9	<0.5	0.9	14.9	--	PACE	--	m
1/27/1994	--	35.50	12.01	--	23.49	<50	0.6	<0.5	<0.5	<0.5	11.5	--	PACE	--	m
4/21/1994	--	35.50	10.60	--	24.90	<50	<0.5	<0.5	<0.5	<0.5	11.4	1.1	PACE	--	m
9/9/1994	--	35.50	12.42	--	23.08	<50	<0.5	<0.5	<0.5	0.6	--	2.2	PACE	--	m
12/21/1994	--	35.50	10.85	--	24.65	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1.2	PACE	--	m
1/30/1995	--	35.50	8.38	--	27.12	<50	<0.50	<0.50	<0.50	<1.0	--	1.7	ATI	--	
4/10/1995	--	35.50	9.00	--	26.50	<50	<0.50	<0.50	<0.50	<1.0	--	7.8	ATI	--	

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

Station #11133, 2220 98th Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-2 Cont.															
6/29/1995	--	35.50	9.91	--	25.59	<50	<0.50	<0.50	<0.50	<1.0	--	9.1	ATI	--	
9/18/1995	--	35.50	10.98	--	24.52	--	--	--	--	--	--	--	--	--	
9/19/1995	--	35.50	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	7.2	ATI	--	
12/7/1995	--	35.50	12.30	--	23.20	<50	<0.50	<0.50	<0.50	<1.0	<5.0	2.4	ATI	--	
3/28/1996	--	35.50	8.57	--	26.93	<50	<0.5	<1	<1	<1	<10	3.2	SPL	--	
6/20/1996	--	35.50	9.77	--	25.73	<50	<0.5	<1	<1	<1	<10	4.2	SPL	--	
10/11/1996	--	35.50	13.32	--	22.18	<50	<0.5	<1.0	<1.0	<1.0	<10	6.3	SPL	--	
1/2/1997	--	35.50	9.60	--	25.90	<50	<0.5	<1.0	<1.0	<1.0	<10	6.7	SPL	--	
4/14/1997	--	35.50	10.93	--	24.57	<50	<0.5	<1.0	<1.0	<1.0	<10	5.7	SPL	--	
7/2/1997	--	35.50	12.57	--	22.93	<50	<0.5	<1.0	<1.0	<1.0	<10	5.9	SPL	--	
9/30/1997	--	35.50	12.91	--	22.59	<50	<0.5	<1.0	<1.0	<1.0	<10	6.3	SPL	--	
1/21/1998	--	35.50	10.12	--	25.38	160	<0.5	<1.0	<1.0	<1.0	100	5.4	SPL	--	
4/9/1998	--	35.50	6.82	--	28.68	--	--	--	--	--	--	--	--	--	
4/10/1998	--	35.50	--	--	--	<50	1	<1.0	<1.0	<1.0	23	5.0	SPL	--	
6/19/1998	--	35.50	9.00	--	26.50	<50	<0.5	<1.0	<1.0	<1.0	<10	4.9	SPL	--	
11/30/1998	--	35.50	9.44	--	26.06	--	--	--	--	--	--	--	--	--	
1/21/1999	--	35.50	8.96	--	26.54	<50	<1.0	<1.0	<1.0	<1.0	1.9	--	SPL	--	
4/30/1999	--	35.50	9.15	--	26.35	--	--	--	--	--	--	--	--	--	
7/9/1999	--	35.50	10.82	--	24.68	--	--	--	--	--	--	--	--	--	
11/3/1999	--	35.50	11.86	--	23.64	--	--	--	--	--	--	--	--	--	
1/12/2000	--	35.50	12.35	--	23.15	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	PACE	--	
4/13/2000	--	35.50	13.01	--	22.49	--	--	--	--	--	--	--	--	--	
7/26/2000	--	35.50	13.01	--	22.49	--	--	--	--	--	--	--	--	--	
10/24/2000	--	35.50	11.57	--	23.93	--	--	--	--	--	--	--	--	--	
1/19/2001	--	35.50	10.52	--	24.98	--	--	--	--	--	--	--	--	--	
7/24/2001	--	35.50	11.13	--	24.37	--	--	--	--	--	--	--	--	--	
1/18/2002	--	35.50	8.85	--	26.65	--	--	--	--	--	--	--	--	--	
8/1/2002	--	35.50	10.47	--	25.03	--	--	--	--	--	--	--	--	--	
1/14/2003	--	35.50	8.49	--	27.01	--	--	--	--	--	--	--	--	--	
7/7/2003	--	35.50	9.63	--	25.87	--	--	--	--	--	--	--	--	--	
02/05/2004	--	35.50	8.40	--	27.10	--	--	--	--	--	--	--	--	--	

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

Station #11133, 2220 98th Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-2 Cont.															
07/01/2004	NP	35.50	9.94	--	25.56	--	--	--	--	--	--	--	--	--	
03/16/2005	P	35.50	8.39	--	27.11	<50	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	SEQM	7.1	
07/22/2005	--	35.50	8.80	--	26.70	--	--	--	--	--	--	--	--	--	
01/25/2006	--	35.50	7.85	--	27.65	--	--	--	--	--	--	--	--	--	
7/6/2006	--	35.50	8.33	--	27.17	--	--	--	--	--	--	--	--	--	
1/8/2007	--	35.50	9.35	--	26.15	--	--	--	--	--	--	--	--	--	
7/10/2007	--	35.50	10.45	--	25.05	--	--	--	--	--	--	--	--	--	
1/15/2008	--	35.50	18.83	--	16.67	--	--	--	--	--	--	--	--	--	
MW-3															
4/5/1991	--	36.53	17.84	--	18.69	<50	<0.3	<0.3	<0.3	<0.3	--	--	SUP	--	
4/1/1992	--	36.53	15.64	--	20.89	--	--	--	--	--	--	--	--	--	
4/2/1992	--	36.53	--	--	--	<50	1.4	<0.5	<0.5	<0.5	--	--	APP	--	
7/6/1992	--	36.53	19.03	--	17.50	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	
10/7/1992	--	36.53	21.83	--	14.70	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	
1/14/1993	--	36.53	15.96	--	20.57	350	<0.5	<0.5	<0.5	<0.5	714	--	PACE	--	c, m
4/22/1993	--	36.53	16.20	--	20.33	2,800	<0.5	<0.5	<0.5	<0.5	3,600	--	PACE	--	c, m
7/15/1993	--	36.53	16.82	--	19.71	1,400	1.2	<0.5	2	3.5	2,204	--	PACE	--	c, m
10/21/1993	--	36.53	18.84	--	17.69	370	2.1	2.3	2.3	6	847	--	PACE	--	c, m
1/27/1994	--	36.53	18.00	--	18.53	1,300	6.3	<0.5	<0.5	<0.5	3,892	--	PACE	--	c, m
4/21/1994	--	36.53	16.62	--	19.91	2,000	<0.5	<0.5	<0.5	<0.5	3,864	1.4	PACE	--	c, m
9/9/1994	--	36.53	18.38	--	18.15	1,300	<0.5	<0.5	0.5	1.2	--	3.0	PACE	--	m
12/21/1994	--	36.53	15.28	--	21.25	420	16	0.7	3.5	5.9	800	1.9	PACE	--	m
1/30/1995	--	36.53	12.62	--	23.91	<50	<0.50	<0.50	<0.50	<1.0	--	2.5	ATI	--	
4/10/1995	--	36.53	12.41	--	24.12	150	<0.50	<0.50	<0.50	<1.0	--	6.9	ATI	--	
6/29/1995	--	36.53	14.95	--	21.58	100	<0.50	<0.50	<0.50	<1.0	--	6.4	ATI	--	d (TPH-g)
9/18/1995	--	36.53	15.82	--	20.71	--	--	--	--	--	--	--	--	--	
9/19/1995	--	36.53	--	--	--	82	<0.50	<0.50	<0.50	<1.0	260	7.0	ATI	--	
12/7/1995	--	36.53	17.09	--	19.44	<50	<0.50	<0.50	<0.50	<1.0	91	4.5	ATI	--	
3/28/1996	--	36.53	11.90	--	24.63	<50	<0.5	<1	<1	<1	230	4.2	SPL	--	
6/20/1996	--	36.53	12.66	--	23.87	260	<0.5	<1	<1	<1	370	4.4	SPL	--	

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Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-3 Cont.															
10/11/1996	--	36.53	16.23	--	20.30	330	<0.5	<1.0	<1.0	<1.0	440	5.8	SPL	--	
1/2/1997	--	36.53	12.17	--	24.36	<50	<0.5	<1.0	<1.0	<1.0	140	6.0	SPL	--	
4/14/1997	--	36.53	13.45	--	23.08	--	--	--	--	--	--	--	--	--	
4/15/1997	--	36.53	--	--	--	1,500	<0.5	<1.0	<1.0	<1.0	1,800	5.6	SPL	--	
7/2/1997	--	36.53	15.60	--	20.93	880	<0.5	<1.0	<1.0	<1.0	940	5.3	SPL	--	
9/30/1997	--	36.53	17.16	--	19.37	40,000	13,000	2,400	870	3,100	510	6.6	SPL	--	
1/21/1998	--	36.53	11.77	--	24.76	120	<0.5	<1.0	<1.0	<1.0	98	4.7	SPL	--	
4/9/1998	--	36.53	9.42	--	27.11	950	<0.5	<1.0	<1.0	<1.0	890	5.7	SPL	--	
6/19/1998	--	36.53	15.28	--	21.25	1,800	<0.5	<1.0	<1.0	<1.0	1,900	4.7	SPL	--	
6/19/1998	--	36.53	12.09	--	24.44	1,800	<0.5	<1.0	<1.0	<1.0	1,900	4.7	SPL	--	
1/21/1999	--	36.53	14.67	--	21.86	1,100	<1.0	<1.0	<1.0	<1.0	1,200	--	SPL	--	
4/30/1999	--	36.53	16.00	--	20.53	--	--	--	--	--	--	--	--	--	
7/9/1999	--	36.53	14.64	--	21.89	470	<1.0	<1.0	<1.0	<1.0	460/470	--	SPL	--	g
11/3/1999	--	36.53	16.39	--	20.14	--	--	--	--	--	--	--	--	--	
1/12/2000	--	36.53	16.80	--	19.73	<50	<0.5	<0.5	<0.5	<0.5	34	--	PACE	--	
4/13/2000	--	36.53	16.43	--	20.10	--	--	--	--	--	--	--	--	--	
7/26/2000	--	36.53	16.93	--	19.60	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	PACE	--	
10/24/2000	--	36.53	15.69	--	20.84	--	--	--	--	--	--	--	--	--	
1/19/2001	--	36.53	14.84	--	21.69	<50	<0.5	<0.5	<0.5	1	25.9	--	PACE	--	
7/23/2001	--	36.53	15.11	--	21.42	62	<0.5	<0.5	<0.5	<1.5	28.7	--	PACE	--	
1/18/2002	--	36.53	12.37	--	24.16	<50	<0.5	<0.5	<0.5	<1.0	17.8	--	PACE	--	
8/1/2002	--	36.53	14.44	--	22.09	66	<0.5	<0.5	<0.5	<1.0	<0.5	--	PACE	--	
1/16/2003	--	36.53	12.07	--	24.46	<50	<0.50	<0.50	<0.50	<0.50	20	--	SEQ	--	p
7/7/2003	--	36.53	13.90	--	22.63	<50	<0.50	<0.50	<0.50	<0.50	8.8	--	SEQ	--	q
02/05/2004	--	36.53	12.60	--	23.93	<50	<0.50	<0.50	<0.50	<0.50	4.6	--	SEQM	7.0	
07/01/2004	--	36.53	14.57	--	21.96	<50	<0.50	<0.50	<0.50	<0.50	3.3	--	SEQM	--	
03/16/2005	P	36.53	11.03	--	25.50	<50	<0.50	<0.50	<0.50	<0.50	4.4	1.5	SEQM	6.8	
07/22/2005	P	36.53	12.68	--	23.85	<50	<0.50	<0.50	<0.50	<0.50	4.1	--	SEQM	6.8	
01/25/2006	P	36.53	11.35	--	25.18	81	<0.50	<0.50	<0.50	<0.50	3.0	--	SEQM	6.9	
7/6/2006	P	36.53	11.47	--	25.06	<50	<0.50	<0.50	<0.50	<0.50	3.0	--	TAMC	6.9	
1/8/2007	P	36.53	12.92	--	23.61	<50	<0.50	<0.50	<0.50	<0.50	3.2	2.87	TAMC	7.12	

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						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-3 Cont.															
7/10/2007	P	36.53	14.46	--	22.07	<50	<0.50	<0.50	<0.50	<0.50	2.8	2.87	TAMC	7.25	
1/15/2008	P	36.53	12.99	--	23.54	<50	<0.50	<0.50	<0.50	<0.50	0.88	1.04	TAMC	7.10	
QC-2															
10/7/1992	--	37.73	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	i
1/14/1993	--	37.73	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	i, m
4/22/1993	--	37.73	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	i, m
7/15/1993	--	37.73	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	--	i, m
10/21/1993	--	37.73	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	i
1/27/1994	--	37.73	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	i
4/21/1994	--	37.73	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	i
9/9/1994	--	37.73	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	i
12/21/1994	--	37.73	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	i
1/30/1995	--	37.73	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	ATI	--	i
4/10/1995	--	37.73	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	ATI	--	i
6/27/1995	--	37.73	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	ATI	--	i
9/19/1995	--	37.73	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	--	i
12/7/1995	--	37.73	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	--	i
3/28/1996	--	37.73	--	--	--	<50	<0.5	<1	<1	<1	<10	--	SPL	--	i
6/20/1996	--	37.73	--	--	--	<50	<0.5	<1	<1	<1	<10	--	SPL	--	i
RW-1															
4/5/1991	--	37.73	--	--	--	--	--	--	--	--	--	--	--	--	
4/1/1992	--	37.73	22.81	--	14.92	--	--	--	--	--	--	--	--	--	
7/6/1992	--	37.73	26.92	--	10.81	--	--	--	--	--	--	--	--	--	
10/7/1992	--	37.73	28.51	--	9.22	--	--	--	--	--	--	--	--	--	
1/14/1993	--	37.73	23.75	--	13.98	--	--	--	--	--	--	--	--	--	
4/22/1993	--	37.73	22.70	--	15.03	--	--	--	--	--	--	--	--	--	
7/15/1993	--	37.73	26.10	--	11.63	--	--	--	--	--	--	--	--	--	
10/21/1993	--	37.73	25.40	--	12.33	--	--	--	--	--	--	--	--	--	
1/27/1994	--	37.73	28.02	--	9.71	--	--	--	--	--	--	--	--	--	

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Station #11133, 2220 98th Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
RW-1 Cont.															
4/21/1994	--	37.73	23.10	--	14.63	--	--	--	--	--	--	--	--	--	
9/9/1994	--	37.73	24.39	--	13.34	--	--	--	--	--	--	--	--	--	
12/21/1994	--	37.73	--	--	--	--	--	--	--	--	--	--	--	--	h
12/7/1995	--	37.73	25.71	--	12.02	150,000	34,000	35,000	4,300	21,000	2,700	--	ATI	--	
3/28/1996	--	37.73	16.75	--	20.98	--	--	--	--	--	--	--	--	--	
6/20/1996	--	37.73	25.10	--	12.63	--	--	--	--	--	--	--	--	--	h
10/11/1996	--	37.73	25.51	--	12.22	130,000	20,000	32,000	2,800	20,700	1400/1200	7.4	SPL	--	g
1/2/1997	--	37.73	24.49	--	13.24	--	--	--	--	--	--	--	--	--	
4/14/1997	--	37.73	23.99	--	13.74	--	--	--	--	--	--	--	--	--	
4/15/1997	--	37.73	--	--	--	1,800,000	38,000	190,000	48,000	281,000	<25000	--	SPL	--	
7/2/1997	--	37.73	16.40	--	21.33	140,000	19,000	55,000	4,400	32,400	<10000	5.7	SPL	--	
7/2/1997	--	37.73	--	--	--	130,000	19,000	54,000	4,700	33,400	<10000	--	SPL	--	e
9/30/1997	--	37.73	27.97	--	9.76	110,000	13,000	22,000	2,000	12,500	1,100	7.0	SPL	--	
9/30/1997	--	37.73	--	--	--	140,000	17,000	29,000	2,500	15,900	1,200	--	SPL	--	e
1/21/1998	--	37.73	14.14	--	23.59	270,000	21,000	48,000	3,500	25,000	1,100	4.8	SPL	--	
4/9/1998	--	37.73	25.01	--	12.72	--	--	--	--	--	--	--	--	--	
4/10/1998	--	37.73	--	--	--	220,000	26,000	46,000	4,400	24,500	<2500	5.1	SPL	--	
6/19/1998	--	37.73	11.43	--	26.30	180,000	19,000	32,000	3,000	17,400	<2500	4.6	SPL	--	
11/30/1998	--	37.73	7.87	--	29.86	--	--	--	--	--	--	--	--	--	
1/21/1999	--	37.73	18.90	--	18.83	260,000	24,000	46,000	5,100	30,000	1,700	--	SPL	--	
7/9/1999	--	37.73	18.58	--	19.15	--	--	--	--	--	--	--	--	--	
11/3/1999	--	37.73	20.85	--	16.88	160,000	19,000	37,000	3,800	25,000	1,500	--	PACE	--	
1/12/2000	--	37.73	21.20	--	16.53	240,000	18,000	46,000	5,800	26,000	2,100	--	PACE	--	
4/13/2000	--	37.73	21.71	--	16.02	120,000	2,100	33,000	2,800	28,000	1,500	--	PACE	--	
5/24/2000	--	37.73	21.89	--	15.84	--	--	--	--	--	--	--	--	--	
6/1/2000	--	37.73	16.30	--	21.43	--	--	--	--	--	--	--	--	--	
6/8/2000	--	37.73	17.88	--	19.85	--	--	--	--	--	--	--	--	--	
6/15/2000	--	37.73	16.72	--	21.01	--	--	--	--	--	--	--	--	--	
6/20/2000	--	37.73	21.04	--	16.69	--	--	--	--	--	--	--	--	--	
7/7/2000	--	37.73	17.21	--	20.52	--	--	--	--	--	--	--	--	--	
7/20/2000	--	37.73	21.87	--	15.86	--	--	--	--	--	--	--	--	--	

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

Station #11133, 2220 98th Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
RW-1 Cont.															
7/26/2000	--	37.73	21.45	--	16.28	67,000	160	5,300	2,100	18,000	1,100	--	PACE	--	
7/31/2000	--	37.73	22.11	--	15.62	--	--	--	--	--	--	--	--	--	
8/8/2000	--	37.73	17.80	--	19.93	--	--	--	--	--	--	--	--	--	
8/16/2000	--	37.73	17.92	--	19.81	--	--	--	--	--	--	--	--	--	
8/23/2000	--	37.73	18.11	--	19.62	--	--	--	--	--	--	--	--	--	
10/24/2000	--	37.73	18.93	--	18.80	--	--	--	--	--	--	--	--	--	
10/25/2000	--	37.73	19.04	--	18.69	360,000	18,000	78,000	34,000	180,000	2,100	--	PACE	--	k
1/19/2001	--	37.73	18.19	--	19.54	110,000	9,450	19,600	3,510	21,100	1,270	--	PACE	--	
7/24/2001	--	37.73	17.93	--	19.80	--	--	--	--	--	--	--	--	--	l
1/18/2002	--	37.73	14.87	--	22.86	63,000	2,060	4,370	1,770	13,900	491	--	PACE	--	
8/1/2002	--	37.73	16.84	--	20.89	60,000	1,210	2,200	1,520	10,600	390	--	PACE	--	
1/16/2003	--	37.73	14.42	--	23.31	34,000	2,500	2,700	780	5,300	680	--	SEQ	--	p
7/7/2003	--	37.73	16.11	--	21.62	50,000	640	280	1,600	10,000	<250	--	SEQ	--	q, u
07/01/2004	P	37.73	16.75	--	20.98	47,000	320	87	1,900	7,500	72	--	SEQM	6.7	
03/16/2005	P	37.73	12.48	--	25.25	17,000	28	23	350	590	53	1.0	SEQM	6.8	
07/22/2005	P	37.73	14.40	--	23.33	5,900	50	35	120	220	51	--	SEQM	6.7	u
01/25/2006	P	37.73	12.00	--	25.73	7,000	22	5.9	190	--	34	--	SEQM	7.1	
7/6/2006	P	37.73	13.01	--	24.72	16,000	37	14	470	230	64	--	TAMC	6.8	
1/8/2007	P	37.73	14.75	--	22.98	2400	16	10	56	54	22	3.61	TAMC	6.86	
7/10/2007	P	37.73	16.21	--	21.52	3,800	4.4	2.8	72	22	21	2.65	TAMC	6.98	
1/15/2008	P	37.73	14.63	--	23.10	1,700	21	1.6	45	10	14	1.31	TAMC	6.82	
VEW-4															
07/22/2005	P	--	14.04	--	--	680	41	24	20	67	<0.50	--	SEQM	6.8	
1/15/2008	P	--	15.05	--	--	350	19	1.1	5.0	3.3	<0.50	0.54	TAMC	6.99	
VEW-5															
07/22/2005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	v
1/15/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	v
VEW-6															
1/15/2008	--	--	11.83	--	--	--	--	--	--	--	--	--	--	--	

Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses
Station #11133, 2220 98th Ave., Oakland, CA

Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
VEW-7															
1/15/2008	--	--	13.24	--	--	--	--	--	--	--	--	--	--	--	
VEW-8															
07/22/2005	P	--	14.24	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.8	
1/15/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	v
VEW-9															
1/15/2008	--	--	5.31	--	--	--	--	--	--	--	--	--	--	--	
VW-1															
1/15/2008	--	--	--	--	--	--	--	--	--	--	--	--	--	--	v
VW-2															
1/15/2008	--	--	0.25	--	--	--	--	--	--	--	--	--	--	--	
VW-3															
1/15/2008	--	--	2.08	--	--	--	--	--	--	--	--	--	--	--	

ABBREVIATIONS & SYMBOLS:

-- = Not analyzed/applicable/measured/available
< = Not detected at or above specified laboratory reporting limit
DO = Dissolved oxygen
DTW = Depth to water in ft bgs
ft bgs = Feet below ground surface
ft MSL = Feet above mean sea level
GRO = Gasoline range organics
GWE = Groundwater elevation 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 in ft MSL
TPH-g = Total petroleum hydrocarbons as gasoline
µg/L = Micrograms per liter
ANA = Anamatrix, Inc.
PACE = Pace, Inc.
ATI = Analytical Technologies, Inc.
CEI = Ceimic Corporation
SPL = Southern Petroleum Laboratories
SEQ/SEQM= Sequoia Analytical/Sequoia Analytical Morgan Hill Laboratories

FOOTNOTES:

c = A copy of the documentation for this data is included in Appendix C of Alistoreport 10-025-13-003.
d = MTBE peak. See documentation in Appendix C of Alisto report 10-025-13-003.
e = Blind duplicate.
f = Well inaccessible.
g = EPA Methods 8020/8260 used.
h = Well not monitored and/or sampled due to vapor extraction system.
i = Travel blank.
j = This gasoline does not include MTBE.
k = Well was sampled on a different date from the other wells due to lack of proper equipment.
l = Unable to sample due to nature of product.
m = A copy of the documentation for this data is included in Blaine Tech Services, Inc., Report 010724-B-2. The data for sampling events January 14, 1993 and April 22, 1993 has been destroyed. No chromatograms could be located for samples AW-2 on January 27, 1994, and for samples AW-1, AW-2, AW-3, AW-4, AW-5, AW-6, AW-7, AW-8, MW-2 and MW-3 on September 9, 1994.
n = On June 1, 2001, after reviewing chromatograms, Sequoia reported the value as <5.0.
o = Unable to locate well.
p = TPH-g data analyzed by EPA Method 8015B modified; BTEX and MTBE by EPA Method 8021B
q = TPH-g, BTEX, and MTBE analyzed by EPA method 8260B beginning on the third quarter 2003 sampling event 07/07/03.
r = Discrete peak at C5.
t = Well was not gauged during the quarter due to an oversight by the technician.
u = Sheen in well.
v = Well was dry.
w = Hydrocarbon result partly due to individ. peak(s) in quant. range.

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.

GWEs adjusted assuming a specific gravity of 0.75 for free product

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

Table 2. Summary of Fuel Additives Analytical Data
Station #11133, 2220 98th Ave., Oakland, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
AW-1									
7/7/2003	<5,000	<1,000	1,100	<25	<25	190	--	--	
02/05/2004	<10,000	<2,000	930	<50	<50	160	<50	<50	
07/01/2004	<5,000	<1,000	1,100	<25	<25	170	<25	<25	
03/16/2005	<5,000	<1,000	720	<25	<25	130	<25	<25	
07/22/2005	<1,000	<200	510	<5.0	<5.0	93	31	<5.0	
01/25/2006	<6,000	<400	490	<10	<10	94	21	<10	
7/6/2006	<6,000	<400	270	<10	<10	49	<10	<10	
1/8/2007	<3000	240	380	<5.0	<5.0	64	<5.0	--	
7/10/2007	<6,000	<400	220	<10	<10	36	<10	<10	
1/15/2008	<6,000	<400	230	<10	<10	45	<10	<10	
AW-2									
02/05/2004	<100	<20	5.1	<0.50	<0.50	<0.50	<0.50	<0.50	
07/01/2004	--	--	--	--	--	--	--	--	
03/16/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
07/22/2005	--	--	--	--	--	--	--	--	
01/25/2006	<600	<40	12	<1.0	<1.0	1.0	<1.0	<1.0	
1/8/2007	<3000	<200	40	<5.0	<5.0	<5.0	<5.0	--	
1/15/2008	<6,000	<400	48	<10	<10	<10	<10	<10	
AW-3									
02/05/2004	--	--	--	--	--	--	--	--	
07/01/2004	--	--	--	--	--	--	--	--	
03/16/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
07/22/2005	--	--	--	--	--	--	--	--	
01/25/2006	--	--	--	--	--	--	--	--	
AW-4									
7/7/2003	<1,000	<200	56	<5.0	<5.0	<5.0	--	--	
02/05/2004	<200	<40	40	<1.0	<1.0	3.7	<1.0	<1.0	
07/01/2004	<1,000	<200	64	<5.0	<5.0	9.6	<5.0	<5.0	
03/16/2005	<500	<100	23	<2.5	<2.5	<2.5	<2.5	<2.5	
07/22/2005	<2,000	<400	59	<10	<10	<10	<10	<10	

Table 2. Summary of Fuel Additives Analytical Data
Station #11133, 2220 98th Ave., Oakland, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
AW-4 Cont.									
01/25/2006	<3,000	<200	12	<5.0	<5.0	<5.0	<5.0	<5.0	
7/6/2006	<3,000	<5.0	39	<5.0	<5.0	<5.0	<5.0	<5.0	
1/8/2007	<300	<20	38	<0.50	<0.50	6.2	<0.50	--	
7/10/2007	<300	<20	27	<0.50	<0.50	4.2	<0.50	<0.50	
1/15/2008	<300	<20	17	<0.50	<0.50	2.3	<0.50	<0.50	
AW-5									
7/7/2003	<2,000	1,200	980	<10	<10	210	--	--	
02/05/2004	<2,000	1,200	810	<10	<10	160	<10	<10	
07/01/2004	<1,000	1,600	550	<5.0	<5.0	94	<5.0	<5.0	
03/16/2005	<10,000	2,100	890	<50	<50	190	<50	<50	
07/22/2005	<1,000	370	390	<5.0	<5.0	78	<5.0	<5.0	
01/25/2006	<3,000	580	26	<5.0	<5.0	5.2	<5.0	<5.0	
7/6/2006	<3,000	240	170	<5.0	<5.0	37	<5.0	<5.0	
1/8/2007	<1500	240	220	<2.5	<2.5	51	<2.5	--	
7/10/2007	<1,500	110	360	<2.5	<2.5	92	<2.5	<2.5	
1/15/2008	<300	200	85	<0.50	<0.50	21	<0.50	<0.50	
AW-6									
02/05/2004	<10,000	<2,000	5,400	<50	<50	1,800	<50	<50	
07/01/2004	<10,000	<2,000	4,600	<50	<50	1,600	<50	<50	
03/16/2005	<5,000	<1,000	4,400	<25	<25	1,400	<25	<25	
07/22/2005	<10,000	<2,000	5,500	<50	<50	1,400	<50	<50	
01/25/2006	<30,000	<2,000	3,000	<50	<50	940	<50	<50	
7/6/2006	<30,000	<2,000	2,800	<50	<50	780	<50	<50	
1/8/2007	<30000	<2000	7400	<50	<50	1900	<50	--	
7/10/2007	<60,000	<4,000	3,900	<100	<100	890	<100	<100	
1/15/2008	<600	<40	150	<1.0	<1.0	42	<1.0	<1.0	
AW-7									
02/05/2004	--	--	--	--	--	--	--	--	
07/01/2004	--	--	--	--	--	--	--	--	
03/16/2005	--	--	--	--	--	--	--	--	

Table 2. Summary of Fuel Additives Analytical Data
Station #11133, 2220 98th Ave., Oakland, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
AW-7 Cont.									
07/22/2005	--	--	--	--	--	--	--	--	
01/25/2006	--	--	--	--	--	--	--	--	
AW-8									
02/05/2004	--	--	--	--	--	--	--	--	
07/01/2004	--	--	--	--	--	--	--	--	
03/16/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
07/22/2005	--	--	--	--	--	--	--	--	
01/25/2006	--	--	--	--	--	--	--	--	
MW-1									
7/7/2003	<1,000	<200	24	<5.0	<5.0	<5.0	--	--	
02/05/2004	<1,000	<200	9.2	<5.0	<5.0	<5.0	<5.0	<5.0	
07/01/2004	<10,000	<2,000	<50	<50	<50	<50	<50	<50	
03/16/2005	<1,000	<200	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
07/22/2005	<2,000	<400	<10	<10	<10	<10	<10	<10	
01/25/2006	<1,500	<100	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
7/6/2006	<1,500	<100	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
1/8/2007	<300	<20	2.1	<0.50	<0.50	<0.50	<0.50	--	
7/10/2007	<300	<20	2.4	<0.50	<0.50	<0.50	<0.50	<0.50	
1/15/2008	<300	<20	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	
MW-2									
02/05/2004	--	--	--	--	--	--	--	--	
07/01/2004	--	--	--	--	--	--	--	--	
03/16/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
07/22/2005	--	--	--	--	--	--	--	--	
01/25/2006	--	--	--	--	--	--	--	--	
MW-3									
7/7/2003	<100	<20	8.8	<0.50	<0.50	0.65	--	--	
02/05/2004	<100	<20	4.6	<0.50	<0.50	<0.50	<0.50	<0.50	
07/01/2004	<100	<20	3.3	<0.50	<0.50	<0.50	<0.50	<0.50	

Table 2. Summary of Fuel Additives Analytical Data
Station #11133, 2220 98th Ave., Oakland, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-3 Cont.									
03/16/2005	<100	<20	4.4	<0.50	<0.50	<0.50	<0.50	<0.50	
07/22/2005	<100	<20	4.1	<0.50	<0.50	<0.50	<0.50	<0.50	
01/25/2006	<300	<20	3.0	<0.50	<0.50	<0.50	<0.50	<0.50	
7/6/2006	<300	<50	3.0	<0.50	<0.50	<0.50	<0.50	<0.50	
1/8/2007	<300	<20	3.2	<0.50	<0.50	<0.50	<0.50	--	
7/10/2007	<300	<20	2.8	<0.50	<0.50	<0.50	<0.50	<0.50	
1/15/2008	<300	<20	0.88	<0.50	<0.50	<0.50	<0.50	<0.50	
RW-1									
7/7/2003	<50,000	<10,000	<250	<250	<250	<250	--	--	
07/01/2004	<10,000	<2,000	72	<50	<50	<50	<50	<50	
03/16/2005	<2,000	<400	53	<10	<10	<10	<10	<10	
07/22/2005	<500	<100	51	<2.5	<2.5	5.6	<2.5	<2.5	
01/25/2006	<3,000	<200	34	<5.0	<5.0	<5.0	<5.0	<5.0	
7/6/2006	<6,000	<400	64	<10	<10	<10	<10	<10	
1/8/2007	<6000	<400	22	<10	<10	<10	<10	--	
7/10/2007	<600	<40	21	<1.0	<1.0	<1.0	<1.0	<1.0	
1/15/2008	<600	<40	14	<1.0	<1.0	1.3	<1.0	<1.0	
VEW-4									
07/22/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
1/15/2008	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
VEW-5									
07/22/2005	--	--	--	--	--	--	--	--	
VEW-8									
07/22/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

ABBREVIATIONS & SYMBOLS:

-- = Not analyzed/applicable/measured/available

< = Not detected at or above specified laboratory reporting limit

1,2-DCA = 1,2-Dichloroethane

DIPE = Di-isopropyl ether

EDB = 1,2-Dibromoethane

ETBE = Ethyl tert-butyl ether

MTBE = Methyl tert-butyl ether

TAME = tert-Amyl methyl ether

TBA = tert-Butyl alcohol

µg/L = Micrograms per Liter

FOOTNOTES:

a = Calibration verification for ethanol is within method limits but outside contractual limits.

NOTES:

All volatile organic compounds analyzed using EPA Method 8260B.

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

**Table 3. Historical Ground-Water Flow Direction and Gradient
Station #11133, 2220 98th Ave., Oakland, CA**

Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
1/25/2006	Variable: East to Southwest	0.03 to 0.09
7/6/2006	Variable: East to W towards Center	0.04 to 0.05
1/8/2007	Variable: East to W towards Center	0.03 to 0.05
7/10/2007	West	0.01
1/15/2008	West-Southwest	0.006

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

Table 4. Bio-Degradation Parameters
Station #11133, 2220 98th Ave., Oakland, CA

Well and Sample Date	pH	ORP (mV)	Total Alkalinity (µg/L)	DO (mg/L)	Nitrate NO3 (µg/L)	Sulfate SO4 (µg/L)	Soluble Sulfide (µg/L)	CO2 (µg/L)	Methane (µg/L)	Manganese (µg/L)	Ferrous Iron (mg/L)	Comments
AW-1												
3/16/2005	6.7	-10	420,000	0.8	<500	580	<1,000	81,400	3,290	6,500	3.4	
1/15/2008	6.91	-58	410,000	0.92	<500	1,900	<1,000	190,000	3,200	6,400	3.2	a, b
AW-2												
1/15/2008	6.79	-88	190,000	0.83	4,400	21,000	<1,000	52,000	210	1,100	<0.5	a
AW-4												
3/16/2005	6.5	10	310,000	0.6	<500	71,000	<1,000	54,200	585	5,600	1.4	
1/15/2008	6.75	-91	390,000	1.30	<500	82,000	<1,000	120,000	610	5,000	1.5	a, b
AW-5												
1/15/2008	6.82	-101	230,000	0.90	<500	12,000	<1,000	79,000	120	2,300	1.4	a
AW-6												
1/15/2008	6.80	-94	150,000	0.58	<500	21,000	<1,000	41,000	50	1,200	<0.1	a
MW-1												
3/16/2005	6.9	-175	310,000	0.9	<500	13,000	<1,000	49,900	4,550	7,700	2.7	
1/15/2008	7.13	-150	320,000	0.94	<500	51,000	<1,000	67,000	2,900	8,100	1.3	a
MW-2												
3/16/2005	7.1	30	85,000	1.3	5,300	38,000	<1,000	7,370	<1.0	2,200	0.7	
MW-3												
1/15/2008	7.10	-128	130,000	1.04	2,500	44,000	<1,000	29,000	<1.0	120	<0.1	a
RW-1												
1/15/2008	6.82	-143	350,000	1.31	<500	5,000	<1,000	110,000	1,100	6,100	1.8	a
VEW-4												
1/15/2008	6.99	-36	210,000	0.54	3,000	31,000	<1,000	50,000	840	880	<0.5	a

ABBREVIATIONS AND SYMBOLS:

< = Not detected at or above specified laboratory reporting limit

ORP = Oxygen reduction potential

DO = Dissolved oxygen

CO₂ = Carbon dioxide

mV = Millivolts

μg/L = Micrograms per liter

mg/L = Milligrams per liter

FOOTNOTES:

a = Sample received after holding time expired for soluble sulfide and ferrous iron analyses

b = Sample analyzed after holding time expired for nitrate analysis

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

APPENDIX A

**STRATUS GROUND-WATER SAMPLING DATA PACKAGE
(INCLUDES FIELD DATA SHEETS, LABORATORY REPORT
AND CHAIN-OF-CUSTODY DOCUMENTATION)**



3330 Cameron Park Drive, Ste 550
Cameron Park, California 95682
(530) 676-6004 ~ Fax: (530) 676-6005

February 5, 2008

Mr. Rob Miller
Broadbent & Associates, Inc.
2000 Kirman Avenue
Reno, NV 89502

Re: Groundwater Sampling Data Package, BP Service Station No. 11133, located at
2220 98th Avenue, Oakland, California

General Information

Data Submittal Prepared / Reviewed by: Sandy Hayes / Jay Johnson

Phone Number: (530) 676-6000

On-Site Supplier Representative: Hal Hansen and Roberto Heimlich

Sampling Date: January 15, 2008

Arrival: 08:30 *Departure:* 16:00

Weather Conditions: Foggy

Unusual Field Conditions: None

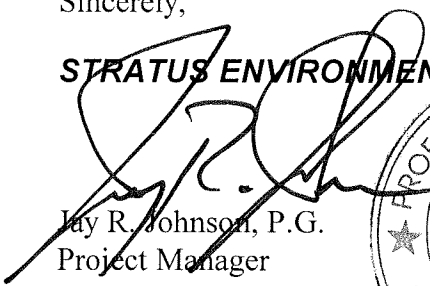
Scope of Work Performed: Quarterly monitoring and sampling

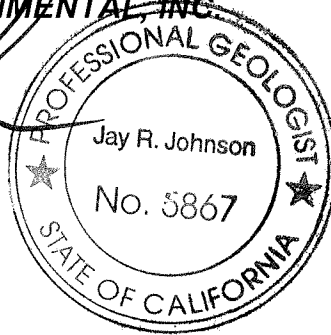
Variations from Work Scope: Well AW-7 could not be located. Stratus will be surveying to locate before the next sampling event.

This submittal presents the tabulation of data collected in association with routine groundwater monitoring. The attachments include bill of lading, field data sheets, chain of custody documentation, and certified analytical results. The information is being provided to BP-ARCO's Scoping Supplier for use in preparing a report for regulatory submittal. This submittal is limited to presentation of collected data and does not include data interpretation or conclusions or recommendations. Any questions concerning this submittal should be addressed to the Preparer/Reviewer identified above.

Sincerely,

STRATUS ENVIRONMENTAL, INC


Jay R. Johnson, P.G.
Project Manager



Attachments:

- Bill of Lading
- Field Data Sheets
- Chain of Custody Documentation
- Certified Analytical Results

CC: Mr. Paul Supple, BP/ARCO

BP ALAMEDA PORTFOLIO

HYDROLOGIC DATA SHEET

Gauge Date: 1-15-08

Project Name: Oakland - 2220 98th Avenue

Field Technician: Hal Hansen + Roberto Heimlich

Project Number: 11133

TOC = Top of Well Casing Elevation
 DTP = Depth to Free Product (FP or NAPL) Below TOC
 DTW = Depth to Groundwater Below TOC
 DTB = Depth to Bottom of Well Casing Below TOC

DIA = Well Casing Diameter
 ELEV = Groundwater Elevation
 DUP = Duplicate

WELL OR LOCATION	TIME	MEASUREMENT						PURGE & SAMPLE	SHEEN CONFIRMATION (w/buiter)	COMMENTS
		TOC	DTP	DTW	DTB	DIA	ELEV			
P MW-1				10.96	28.18					
MW-2				18.83	31.20					
MW-3				12.99	34.08					
AW-1				15.96	38.47					
AW-2				15.75	34.77					
AW-3				15.97	35.50					replace cap + lock
AW-4				17.70	32.57					
AW-5				18.16	42.90					
AW-6				15.55	34.00					
AW-7										cont locate
AW-8				17.88	36.38					
AW-9				18.51	26.90					
AW-1				14.63	37.10					
VW-1				dry	10.17					
VW-2				0.25	3.58					
VW-3				2.08	5.20					
VEW-4				15.05	18.60					
VEW-5				dry	16.29					
VEW-6				11.83	19.21					
VEW-7				13.24	17.42					
VEW-8				dry	16.89					
VEW-9				5.31	—					relocate

BP ALAMEDA PORTFOLIO
WATER SAMPLE FIELD DATA SHEET

PROJECT #: 11133 PURGED BY: HH WELL I.D.: MW-1
 CLIENT NAME: _____ SAMPLED BY: HH SAMPLE I.D.: MW-1
 LOCATION: Oakland - 2220 98th Avenue QA SAMPLES: _____

DATE PURGED 1-14-08 START (2400hr) 1451 END (2400hr) 1506
 DATE SAMPLED 1-14-08 SAMPLE TIME (2400hr) 1510
 SAMPLE TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

DEPTH TO BOTTOM (feet) = 28.18 CASING VOLUME (gal) = MP
 DEPTH TO WATER (feet) = 10.96 CALCULATED PURGE (gal) = MP
 WATER COLUMN HEIGHT (feet) = MP ACTUAL PURGE (gal) = 5

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	DO COLOR (visual)	ORP TURBIDITY (NTU)
<u>1-14-08</u>	<u>1454</u>	<u>1</u>	<u>65.3</u>	<u>655</u>	<u>7.11</u>	<u>0.95</u>	<u>-153</u>
	<u>1457</u>	<u>2</u>	<u>64.9</u>	<u>641</u>	<u>7.13</u>	<u>0.91</u>	<u>-150</u>
	<u>1500</u>	<u>3</u>	<u>64.8</u>	<u>638</u>	<u>7.13</u>	<u>0.94</u>	<u>-150</u>
	<u>1503</u>	<u>4</u>	<u>64.8</u>	<u>631</u>	<u>7.14</u>	<u>0.94</u>	<u>-150</u>
	<u>1506</u>	<u>5</u>	<u>64.9</u>	<u>632</u>	<u>7.13</u>	<u>0.94</u>	<u>-150</u>

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 1104 SAMPLE TURBIDITY: clean

80% RECHARGE: YES NO MP ANALYSES: all grab
 ODOR: clean SAMPLE VESSEL / PRESERVATIVE: 900ml 300ml 1 liter 1.250L 1.500L 1.750L 2.000L 2.250L 2.500L 2.750L 3.000L 3.250L 3.500L 3.750L 4.000L 4.250L 4.500L 4.750L 5.000L 5.250L 5.500L 5.750L 6.000L 6.250L 6.500L 6.750L 7.000L 7.250L 7.500L 7.750L 8.000L 8.250L 8.500L 8.750L 9.000L 9.250L 9.500L 9.750L 10.000L 10.250L 10.500L 10.750L 11.000L 11.250L 11.500L 11.750L 12.000L 12.250L 12.500L 12.750L 13.000L 13.250L 13.500L 13.750L 14.000L 14.250L 14.500L 14.750L 15.000L 15.250L 15.500L 15.750L 16.000L 16.250L 16.500L 16.750L 17.000L 17.250L 17.500L 17.750L 18.000L 18.250L 18.500L 18.750L 19.000L 19.250L 19.500L 19.750L 20.000L 20.250L 20.500L 20.750L 21.000L 21.250L 21.500L 21.750L 22.000L 22.250L 22.500L 22.750L 23.000L 23.250L 23.500L 23.750L 24.000L 24.250L 24.500L 24.750L 25.000L 25.250L 25.500L 25.750L 26.000L 26.250L 26.500L 26.750L 27.000L 27.250L 27.500L 27.750L 28.000L 28.250L 28.500L 28.750L 29.000L 29.250L 29.500L 29.750L 30.000L 30.250L 30.500L 30.750L 31.000L 31.250L 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288.750L 289.000L 289.250L 289.500L 289.750L 290.000L 290.250L 290.500L 290.750L 291.000L 291.250L 291.500L 291.750L 292.000L 292.250L 292.500L 292.750L 293.000L 293.250L 293.500L 293.750L 294.000L 294.250L 294.500L 294.750L 295.000L 295.250L 295.500L 295.750L 296.000L 296.250L 296.500L 296.750L 297.000L 297.250L 297.500L 297.750L 298.000L 298.250L 298.500L 298.750L 299.000L 299.250L 299.500L 299.750L 300.000L 300.250L 300.500L 300.750L 301.000L 301.250L 301.500L 301.750L 302.000L 302.250L 302.500L 302.750L 303.000L 303.250L 303.500L 303.750L 304.000L 304.250L 304.500L 304.750L 305.000L 305.250L 305.500L 305.750L 306.000L 306.250L 306.500L 306.750L 307.000L

BP ALAMEDA PORTFOLIO
WATER SAMPLE FIELD DATA SHEET

PROJECT #: 11133 PURGED BY: HA WELL I.D.: MW-3
 CLIENT NAME: _____ SAMPLED BY: HA SAMPLE I.D.: MW-3
 LOCATION: Oakland - 2220 98th Avenue QA SAMPLES: _____

DATE PURGED 1-14-08 START (2400hr) 1423 END (2400hr) 1438
 DATE SAMPLED 1-14-08 SAMPLE TIME (2400hr) 1441
 SAMPLE TYPE: Groundwater x Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" x 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

DEPTH TO BOTTOM (feet) = 34.08 CASING VOLUME (gal) = MP
 DEPTH TO WATER (feet) = 12.99 CALCULATED PURGE (gal) = MP
 WATER COLUMN HEIGHT (feet) = MP ACTUAL PURGE (gal) = 5

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	DO COLOR (visual)	ORP TURBIDITY (NTU)
<u>1-14-08</u>	<u>1426</u>	<u>1</u>	<u>64.8</u>	<u>797</u>	<u>7.14</u>	<u>1.13</u>	<u>-131</u>
<u>1</u>	<u>1429</u>	<u>2</u>	<u>64.5</u>	<u>784</u>	<u>7.10</u>	<u>1.02</u>	<u>-121</u>
<u>1</u>	<u>1432</u>	<u>3</u>	<u>64.6</u>	<u>752</u>	<u>7.10</u>	<u>1.04</u>	<u>-128</u>
<u>1</u>	<u>1435</u>	<u>4</u>	<u>64.6</u>	<u>751</u>	<u>7.10</u>	<u>1.04</u>	<u>-127</u>
<u>1</u>	<u>1438</u>	<u>5</u>	<u>64.6</u>	<u>752</u>	<u>7.10</u>	<u>1.04</u>	<u>-128</u>

SAMPLE DEPTH TO WATER: 13.10 SAMPLE INFORMATION SAMPLE TURBIDITY: clear

80% RECHARGE: YES NO MP ANALYSES: seegen
 ODOR: yes SAMPLE VESSEL / PRESERVATIVE: 500ml 300ml 100ml 100ml 1-250ml 100ml 100ml

PURGING EQUIPMENT

Bladder Pump _____ Bailer (Teflon) _____
 Centrifugal Pump _____ Bailer (PVC) _____
 Submersible Pump _____ Bailer (Stainless Steel) _____
 Peristaltic Pump _____ Dedicated _____
 Other: _____
 Pump Depth: _____

SAMPLING EQUIPMENT

Bladder Pump _____ Bailer (Teflon) _____
 Centrifugal Pump _____ Bailer (PVC or disposable) _____
 Submersible Pump _____ Bailer (Stainless Steel) _____
 Peristaltic Pump _____ Dedicated _____
 Other: _____

WELL INTEGRITY: good LOCK#: master

REMARKS: Before DO 115 ORP -133

SIGNATURE: Hal Hanser Page _____ of _____

BP ALAMEDA PORTFOLIO
WATER SAMPLE FIELD DATA SHEET

PROJECT #: 11133 PURGED BY: HH WELL I.D.: AW-1
 CLIENT NAME: _____ SAMPLED BY: HH SAMPLE I.D.: AW-1
 LOCATION: Oakland - 2220 98th Avenue QA SAMPLES: _____

DATE PURGED 1-14-08 START (2400hr) 1258 END (2400hr) 1313
 DATE SAMPLED 1-14-08 SAMPLE TIME (2400hr) 1315
 SAMPLE TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

DEPTH TO BOTTOM (feet) = 38.60 CASING VOLUME (gal) = MP
 DEPTH TO WATER (feet) = 15.96 CALCULATED PURGE (gal) = MP
 WATER COLUMN HEIGHT (feet) = MP ACTUAL PURGE (gal) = 5

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	DO COLOR (visual)	ORP TURBIDITY (NTU)
<u>1-14-08</u>	<u>1301</u>	<u>1</u>	<u>65.7</u>	<u>677</u>	<u>694</u>	<u>0.91</u>	<u>-61</u>
	<u>1304</u>	<u>2</u>	<u>65.5</u>	<u>652</u>	<u>691</u>	<u>0.95</u>	<u>-59</u>
	<u>1307</u>	<u>3</u>	<u>65.4</u>	<u>654</u>	<u>691</u>	<u>0.91</u>	<u>-58</u>
	<u>1310</u>	<u>4</u>	<u>65.4</u>	<u>651</u>	<u>691</u>	<u>0.92</u>	<u>-58</u>
	<u>1313</u>	<u>5</u>	<u>65.4</u>	<u>652</u>	<u>691</u>	<u>0.92</u>	<u>-58</u>

SAMPLE INFORMATION

SAMPLE DEPTH TO WATER: 16.04 SAMPLE TURBIDITY: clear

80% RECHARGE: YES NO MP ANALYSES: ADD GEM
 ODOR: asph SAMPLE VESSEL / PRESERVATIVE: 1 VOA HCL, 1 VOA, 1 Bailer, 1 Bacter, 1-250, 1 Bailer

PURGING EQUIPMENT

SAMPLING EQUIPMENT

Bladder Pump Bailer (Teflon)
 Centrifugal Pump Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____

Bladder Pump Bailer (Teflon)
 Centrifugal Pump Bailer (_____ PVC or _____ disposable)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____

Other: _____

Other: _____

Pump Depth: _____

WELL INTEGRITY: good LOCK#: month

REMARKS: Asph, DO 0.95 ORP -61

SIGNATURE: [Signature]

BP ALAMEDA PORTFOLIO

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 11133 PURGED BY: HH WELL I.D.: AW-2
 CLIENT NAME: _____ SAMPLED BY: HH SAMPLE I.D.: AW-2
 LOCATION: Oakland - 2220 98th Avenue QA SAMPLES: _____

DATE PURGED 1-14-08 START (2400hr) 1118 END (2400hr) 1131
 DATE SAMPLED 1-14-08 SAMPLE TIME (2400hr) 1134
 SAMPLE TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

DEPTH TO BOTTOM (feet) = 34.77 CASING VOLUME (gal) = MP
 DEPTH TO WATER (feet) = 15.75 CALCULATED PURGE (gal) = MP
 WATER COLUMN HEIGHT (feet) = MP ACTUAL PURGE (gal) = 5

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	DO COLOR (visual)	ORP TURBIDITY (NTU)
<u>1-14-08</u>	<u>1118</u>	<u>1</u>	<u>65.6</u>	<u>744</u>	<u>6.89</u>	<u>0.85</u>	<u>-94</u>
<u>✓</u>	<u>1121</u>	<u>2</u>	<u>65.6</u>	<u>736</u>	<u>6.79</u>	<u>0.84</u>	<u>-88</u>
<u>✓</u>	<u>1125</u>	<u>3</u>	<u>65.6</u>	<u>722</u>	<u>6.79</u>	<u>0.83</u>	<u>-88</u>
<u>✓</u>	<u>1128</u>	<u>4</u>	<u>65.6</u>	<u>721</u>	<u>6.79</u>	<u>0.83</u>	<u>-88</u>
<u>✓</u>	<u>1131</u>	<u>5</u>	<u>65.6</u>	<u>721</u>	<u>6.79</u>	<u>0.83</u>	<u>-84</u>

SAMPLE DEPTH TO WATER: 15.83 SAMPLE INFORMATION SAMPLE TURBIDITY: clean

80% RECHARGE: YES NO MP ANALYSES: Algae
 ODOR: none SAMPLE VESSEL / PRESERVATIVE: 900 HCL, 900g, 110g, 110g, 1250

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
<input type="checkbox"/> Bladder Pump	<input type="checkbox"/> Bailer (Teflon)	<input type="checkbox"/> Bladder Pump	<input type="checkbox"/> Bailer (Teflon)
<input type="checkbox"/> Centrifugal Pump	<input type="checkbox"/> Bailer (PVC)	<input type="checkbox"/> Centrifugal Pump	<input type="checkbox"/> Bailer (<input type="checkbox"/> PVC or <input type="checkbox"/> disposable)
<input type="checkbox"/> Submersible Pump	<input type="checkbox"/> Bailer (Stainless Steel)	<input type="checkbox"/> Submersible Pump	<input type="checkbox"/> Bailer (Stainless Steel)
<input checked="" type="checkbox"/> Peristaltic Pump	<input type="checkbox"/> Dedicated _____	<input checked="" type="checkbox"/> Peristaltic Pump	<input type="checkbox"/> Dedicated _____
Other: _____		Other: _____	
Pump Depth: _____			

WELL INTEGRITY: good LOCK#: max
 REMARKS: Before DO 0.85 ORP -95

SIGNATURE: [Signature] Page _____ of _____

BP ALAMEDA PORTFOLIO
WATER SAMPLE FIELD DATA SHEET

PROJECT #: 11133 PURGED BY: HH WELL I.D.: AW-4
 CLIENT NAME: _____ SAMPLED BY: HH SAMPLE I.D.: AW-4
 LOCATION: Oakland - 2220 98th Avenue QA SAMPLES: _____

DATE PURGED 1-14-08 START (2400hr) 1050 END (2400hr) 1105
 DATE SAMPLED 1-14-08 SAMPLE TIME (2400hr) 1108
 SAMPLE TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" 3" _____ 4" _____ 5" _____ 6" _____ 8" _____ Other _____
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

DEPTH TO BOTTOM (feet) = 32.67 CASING VOLUME (gal) = MP
 DEPTH TO WATER (feet) = 17.70 CALCULATED PURGE (gal) = MP
 WATER COLUMN HEIGHT (feet) = MP ACTUAL PURGE (gal) = 5 gal

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	DO COLOR (visual)	ORP TURBIDITY (NTU)
<u>1-14-08</u>	<u>1053</u>	<u>1.7</u>	<u>65.4</u>	<u>710</u>	<u>6.55</u>	<u>1.57</u>	<u>-99</u>
	<u>1056</u>	<u>1.5</u>	<u>65.3</u>	<u>700</u>	<u>6.72</u>	<u>1.21</u>	<u>-91</u>
	<u>1059</u>	<u>3</u>	<u>65.3</u>	<u>705</u>	<u>6.75</u>	<u>1.31</u>	<u>-91</u>
	<u>1102</u>	<u>4</u>	<u>65.3</u>	<u>705</u>	<u>6.75</u>	<u>1.37</u>	<u>-91</u>
	<u>1105</u>	<u>5</u>	<u>65.3</u>	<u>705</u>	<u>6.75</u>	<u>1.80</u>	<u>-91</u>

SAMPLE DEPTH TO WATER: 17.75 SAMPLE INFORMATION SAMPLE TURBIDITY: clear

80% RECHARGE: YES NO ANALYSES: all gen

ODOR: none SAMPLE VESSEL / PRESERVATIVE: 9V09 HCL, 3V09 1 bag, 1 barrel 1-150 Date 1/14/08

PURGING EQUIPMENT

Bladder Pump
 Centrifugal Pump
 Submersible Pump
 Peristaltic Pump
 Other: _____
 Pump Depth: 28

Bailer (Teflon)
 Bailer (PVC)
 Bailer (Stainless Steel)
 Dedicated _____

SAMPLING EQUIPMENT

Bladder Pump
 Centrifugal Pump
 Submersible Pump
 Peristaltic Pump
 Other: _____

Bailer (Teflon)
 Bailer (_____ PVC or _____ disposable)
 Bailer (Stainless Steel)
 Dedicated _____

WELL INTEGRITY: good LOCK#: none
 REMARKS: before DO 1.59 ORP -101

SIGNATURE: [Signature] Page _____ of _____

BP ALAMEDA PORTFOLIO
WATER SAMPLE FIELD DATA SHEET

PROJECT #: 11133 PURGED BY: HH WELL I.D.: AW-5
 CLIENT NAME: _____ SAMPLED BY: HH SAMPLE I.D.: AW-5
 LOCATION: Oakland - 2220 98th Avenue QA SAMPLES: _____

DATE PURGED 1-14-08 START (2400hr) 1220 END (2400hr) 1235
 DATE SAMPLED 1-14-08 SAMPLE TIME (2400hr) 1238
 SAMPLE TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" _____ 3" _____ 4" ✓ 5" _____ 6" _____ 8" _____ Other _____
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

DEPTH TO BOTTOM (feet) = 4290 CASING VOLUME (gal) = MD
 DEPTH TO WATER (feet) = 18.16 CALCULATED PURGE (gal) = 150
 WATER COLUMN HEIGHT (feet) = MD ACTUAL PURGE (gal) = 5-

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	DO COLOR (visual)	ORP TURBIDITY (NTU)
<u>1-14-08</u>	<u>1223</u>	<u>1</u>	<u>54.8</u>	<u>328</u>	<u>692</u>	<u>0.94</u>	<u>-98</u>
	<u>1226</u>	<u>2</u>	<u>54.7</u>	<u>330</u>	<u>694</u>	<u>0.91</u>	<u>-101</u>
	<u>1229</u>	<u>3</u>	<u>54.7</u>	<u>328</u>	<u>682</u>	<u>0.90</u>	<u>-102</u>
	<u>1232</u>	<u>4</u>	<u>54.7</u>	<u>330</u>	<u>681</u>	<u>0.90</u>	<u>-101</u>
	<u>1235</u>	<u>5</u>	<u>54.7</u>	<u>322</u>	<u>682</u>	<u>0.90</u>	<u>-101</u>

SAMPLE DEPTH TO WATER: 182.2 SAMPLE INFORMATION SAMPLE TURBIDITY: clear

80% RECHARGE: YES NO MD ANALYSES: mergen
 ODOR: slight SAMPLE VESSEL / PRESERVATIVE: 9000HCL 3V09 16poly 1 container 1-25-08

PURGING EQUIPMENT

SAMPLING EQUIPMENT

Bladder Pump Bailer (Teflon)
 Centrifugal Pump Bailer (PVC)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____
 Other: _____
 Pump Depth: _____

Bladder Pump Bailer (Teflon)
 Centrifugal Pump Bailer (_____ PVC or _____ disposable)
 Submersible Pump Bailer (Stainless Steel)
 Peristaltic Pump Dedicated _____
 Other: _____

WELL INTEGRITY: good LOCK#: mergen
 REMARKS: Before DO 0.94 ORP -96

SIGNATURE: [Signature] Page _____ of _____

BP ALAMEDA PORTFOLIO
WATER SAMPLE FIELD DATA SHEET

PROJECT #: 11133 PURGED BY: HH WELL I.D.: AW-6
 CLIENT NAME: _____ SAMPLED BY: HH SAMPLE I.D.: AW-6
 LOCATION: Oakland - 2220 98th Avenue QA SAMPLES: _____

DATE PURGED 1-14-08 START (2400hr) 1150 END (2400hr) 1205
 DATE SAMPLED 1-14-08 SAMPLE TIME (2400hr) 1208
 SAMPLE TYPE: Groundwater x Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" _____ 3" _____ 4" x 5" _____ 6" _____ 8" _____ Other _____
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

DEPTH TO BOTTOM (feet) = 3400 CASING VOLUME (gal) = MP
 DEPTH TO WATER (feet) = 15.55 CALCULATED PURGE (gal) = MP
 WATER COLUMN HEIGHT (feet) = MD ACTUAL PURGE (gal) = 5

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	COLOUR (visual)	ORP TURBIDITY (NTU)
<u>1-14-08</u>	<u>1153</u>	<u>1</u>	<u>55.1</u>	<u>320</u>	<u>6.83</u>	<u>0.61</u>	<u>-91</u>
<u>1</u>	<u>1156</u>	<u>2</u>	<u>55.0</u>	<u>304</u>	<u>6.81</u>	<u>0.60</u>	<u>-94</u>
<u>1</u>	<u>1159</u>	<u>3</u>	<u>55.1</u>	<u>304</u>	<u>6.80</u>	<u>0.59</u>	<u>-94</u>
<u>1</u>	<u>1202</u>	<u>4</u>	<u>55.1</u>	<u>304</u>	<u>6.80</u>	<u>0.58</u>	<u>-94</u>
<u>1</u>	<u>1205</u>	<u>5</u>	<u>55.1</u>	<u>324</u>	<u>6.80</u>	<u>0.58</u>	<u>-94</u>

SAMPLE DEPTH TO WATER: 15.60 SAMPLE INFORMATION SAMPLE TURBIDITY: clean

80% RECHARGE: YES NO MP ANALYSES: all geo
 ODOR: slight SAMPLE VESSEL / PRESERVATIVE: 9V09 HCL, 3V09 1L each, 11/26 DPA, 11/03

PURGING EQUIPMENT
 Bladder Pump
 Centrifugal Pump
 Submersible Pump
 Peristaltic Pump
 Other: _____
 Pump Depth: _____

SAMPLING EQUIPMENT
 Bladder Pump
 Centrifugal Pump
 Submersible Pump
 Peristaltic Pump
 Bailer (Teflon)
 Bailer (PVC)
 Bailer (Stainless Steel)
 Dedicated _____
 Other: _____

WELL INTEGRITY: good LOCK#: wait
 REMARKS: Before DO 0.75 ORP -87

SIGNATURE: [Signature] Page _____ of _____

BP ALAMEDA PORTFOLIO
WATER SAMPLE FIELD DATA SHEET

PROJECT #: 11133 PURGED BY: HH WELL I.D.: RW-1
 CLIENT NAME: _____ SAMPLED BY: HH SAMPLE I.D.: RW-1
 LOCATION: Oakland - 2220 98th Avenue QA SAMPLES: _____

DATE PURGED 1-14-08 START (2400hr) 1358 END (2400hr) 1413
 DATE SAMPLED 1-14-08 SAMPLE TIME (2400hr) 1417
 SAMPLE TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" _____ 3" _____ 4" _____ 5" _____ 6" 8" _____ Other _____
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

DEPTH TO BOTTOM (feet) = 27.10 CASING VOLUME (gal) = MP
 DEPTH TO WATER (feet) = 14.82 CALCULATED PURGE (gal) = MP
 WATER COLUMN HEIGHT (feet) = MP ACTUAL PURGE (gal) = 5

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	DO COLOR (visual)	ORP TURBIDITY (NTU)
<u>1-14-08</u>	<u>1401</u>	<u>1</u>	<u>67.0</u>	<u>670</u>	<u>6.98</u>	<u>1.48</u>	<u>-136</u>
<u>1</u>	<u>1404</u>	<u>2</u>	<u>67.1</u>	<u>671</u>	<u>6.84</u>	<u>1.49</u>	<u>-139</u>
<u>1</u>	<u>1407</u>	<u>3</u>	<u>67.2</u>	<u>682</u>	<u>6.81</u>	<u>1.32</u>	<u>-142</u>
<u>1</u>	<u>1410</u>	<u>4</u>	<u>67.1</u>	<u>681</u>	<u>6.82</u>	<u>1.31</u>	<u>-143</u>
<u>1</u>	<u>1413</u>	<u>5</u>	<u>67.1</u>	<u>681</u>	<u>6.82</u>	<u>1.31</u>	<u>-143</u>
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

SAMPLE DEPTH TO WATER: 14.82 SAMPLE INFORMATION SAMPLE TURBIDITY: clear

80% RECHARGE: YES NO MP ANALYSES: Aluminum
 ODOR: yes SAMPLE VESSEL / PRESERVATIVE: 9000 HCL, 300g, 1L Only, 1 liter

PURGING EQUIPMENT		SAMPLING EQUIPMENT	
<input type="checkbox"/> Bladder Pump	<input type="checkbox"/> Bailer (Teflon)	<input type="checkbox"/> Bladder Pump	<input type="checkbox"/> Bailer (Teflon)
<input type="checkbox"/> Centrifugal Pump	<input type="checkbox"/> Bailer (PVC)	<input type="checkbox"/> Centrifugal Pump	<input type="checkbox"/> Bailer (_____ PVC or _____ disposable)
<input type="checkbox"/> Submersible Pump	<input type="checkbox"/> Bailer (Stainless Steel)	<input type="checkbox"/> Submersible Pump	<input type="checkbox"/> Bailer (Stainless Steel)
<input checked="" type="checkbox"/> Peristaltic Pump	<input type="checkbox"/> Dedicated _____	<input checked="" type="checkbox"/> Peristaltic Pump	<input type="checkbox"/> Dedicated _____
Other: _____		Other: _____	
Pump Depth: _____			

WELL INTEGRITY: good LOCK#: in data

REMARKS: Before DO, 142 ORP -136

SIGNATURE: Walter Glaser Page _____ of _____

BP ALAMEDA PORTFOLIO

WATER SAMPLE FIELD DATA SHEET

PROJECT #: 11133 PURGED BY: HH WELL I.D.: VEW-4
 CLIENT NAME: _____ SAMPLED BY: HH SAMPLE I.D.: VEW-4
 LOCATION: Oakland - 2220 98th Avenue QA SAMPLES: _____

DATE PURGED 1-14-08 START (2400hr) 1328 END (2400hr) 1828
 DATE SAMPLED 1-14-08 SAMPLE TIME (2400hr) 1347
 SAMPLE TYPE: Groundwater Surface Water _____ Treatment Effluent _____ Other _____

CASING DIAMETER: 2" _____ 3" _____ 4" 5" _____ 6" _____ 8" _____ Other _____
 Casing Volume: (gallons per foot) (0.17) (0.38) (0.67) (1.02) (1.50) (2.60) ()

DEPTH TO BOTTOM (feet) = 18.60 CASING VOLUME (gal) = MP
 DEPTH TO WATER (feet) = 15.05 CALCULATED PURGE (gal) = MP
 WATER COLUMN HEIGHT (feet) = MP ACTUAL PURGE (gal) = 3

FIELD MEASUREMENTS

DATE	TIME (2400hr)	VOLUME (gal)	TEMP. (degrees F)	CONDUCTIVITY (umhos/cm)	pH (units)	DO COLOR (visual)	DRB TURBIDITY (NTU)
<u>1-14-08</u>	<u>1331</u>	<u>0.75</u>	<u>67.8</u>	<u>428</u>	<u>7.01</u>	<u>0.58</u>	<u>-25</u>
<u>1</u>	<u>1336</u>	<u>1.5</u>	<u>67.5</u>	<u>414</u>	<u>7.01</u>	<u>0.56</u>	<u>-26</u>
<u>1</u>	<u>1337</u>	<u>2</u>	<u>67.5</u>	<u>408</u>	<u>6.99</u>	<u>0.54</u>	<u>-26</u>
<u>1</u>	<u>1347</u>	<u>2.5</u>	<u>67.5</u>	<u>408</u>	<u>6.99</u>	<u>0.56</u>	<u>-26</u>
<u>1</u>	<u>1343</u>	<u>3</u>	<u>67.5</u>	<u>408</u>	<u>6.99</u>	<u>0.54</u>	<u>-26</u>

SAMPLE DEPTH TO WATER: 15.14 SAMPLE INFORMATION SAMPLE TURBIDITY: clear

80% RECHARGE: YES NO MP ANALYSES: DO, pH

ODOR: yes SAMPLE VESSEL / PRESERVATIVE: 9 VOC, 10 PCB, 10 PAH, 10 Pesticides, 10 Metals, 10 Trace Organics

PURGING EQUIPMENT

Bladder Pump
 Centrifugal Pump
 Submersible Pump
 Peristaltic Pump
 Other: _____
 Pump Depth: _____

Bailer (Teflon)
 Bailer (PVC)
 Bailer (Stainless Steel)
 Dedicated _____

SAMPLING EQUIPMENT

Bladder Pump
 Centrifugal Pump
 Submersible Pump
 Peristaltic Pump
 Other: _____

Bailer (Teflon)
 Bailer (_____ PVC or _____ disposable)
 Bailer (Stainless Steel)
 Dedicated _____

WELL INTEGRITY: good LOCK#: none

REMARKS: Before DO 0.59 OAP - 27

SIGNATURE: [Signature] Page _____ of _____

Wellhead Observation Form

Account: _____

Sampled by: HHH Hansen

Date: 1/14/07

Well ID	Box in good condition	Lock Missing (Replaced with new)	Water in Box	Bolts Missing	Bolts Stripped	Bolt-Holes Stripped	Cracked or Broken Lid	Cracked Box and/or Bolt-Holes	Misc.	Add'l - Notes and Other Stuff
MW-1	Ⓟ	N	Y	N	Y	N	N	N		
MW-2	Ⓢ	N	Y	N	Y	N				
MW-3	G	N	Y	N	Y	N				
AW-1	G	N	N	N	Y	N				
AW-2	G	N	N	N	Y	N				
AW-3	G	Y	N	N	Y	N				replace cap + lock
AW-4	G	N	Y	N	N	N				
AW-5	G	N	N	N	N	N				
AW-6	G	N	N	N	N	N				
AW-7	G	N	N	N	N	N				
AW-8	G	N	N	N	N	N				
AW-9	Ⓢ	N	N	N	N	N				
RW-1	G	N	N	N	N	N				
VW-1	G	N	N	N	N	N				
VW-2	Ⓢ	N	N	N	N	N				
VW-3	G	N	N	N	N	N				

VEW-4
 VEW-5
 VEW-6
 VEW-7
 VEW-8

replace cap + lock

NO. 668546

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

SITE:

NAME BP WEST COAST PRODUCTS LLC ARCO #11133 EPA I.D. NO. NOT REQUIRED

ADDRESS P.O. BOX 80245 222098th Ave PROFILE NO. 000
RANCHO SANTA MARGARITA
 CITY, STATE, ZIP CA 92688 Oakland CA PHONE NO. _____

CONTAINERS: No. 1 drum VOLUME 50 gal WEIGHT _____

TYPE: TANK TRUCK DUMP TRUCK DRUMS CARTONS OTHER _____

WASTE DESCRIPTION COMPONENTS OF WASTE			PPM	%	GENERATING PROCESS WELL PURGING/DECON WATER			PPM	%
1.	<u>WATER</u>	<u>99-100%</u>			5.				
2.	<u>TPH</u>	<u><1%</u>			6.				
3.					7.	<u>RESI#</u>			
4.					8.				

PROPERTIES: 7-10 SOLID LIQUID SLUDGE SLURRY OTHER _____

HANDLING INSTRUCTIONS: WEAR ALL APPROPRIATE PROTECTIVE CLOTHING

THE GENERATOR CERTIFIES THAT THE WASTE AS DESCRIBED IS 100% NON-HAZARDOUS.

Larry Moothart RESI for BP
TYPED OR PRINTED FULL NAME & SIGNATURE DATE 1-16-81

TRANSPORTER

NAME Transporter #1 STRATUS ENVIRONMENTAL EPA I.D. NO. _____
Transporter #2

ADDRESS 3330 CAMERON PARK DR SERVICE ORDER NO. _____

CITY, STATE, ZIP CAMERON PARK, CA 95602 PICK UP DATE _____

PHONE NO. 530-676-2031

TRUCK, UNIT, I.D. NO. _____
Hugh Houston
 TYPED OR PRINTED FULL NAME & SIGNATURE DATE _____

TSD FACILITY

NAME INSTRAT, INC EPA I.D. NO. _____

ADDRESS 1105 AIRPORT RD #C DISPOSAL METHOD LANDFILL OTHER _____

CITY, STATE, ZIP RIO VISTA, CA 94571

PHONE NO. 530-753-1829

TYPED OR PRINTED FULL NAME & SIGNATURE DATE _____

GEN	OLD/NEW	L	A	TONS
TRANS		S	B	
C/O		RT/C/D	R/W/D/F	NONE

DISCREPANCY



Chain of Custody Record

Project Name: ARCO 11133
 BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > I
 State or Lead Regulatory Agency: _____
 Requested Due Date (mm/dd/yy): _____

On-site Time: 9:20 Temp: 45°
 Off-site Time: 1:00 Temp: 55
 Sky Conditions: Buggy
 Meteorological Events: Fog
 Wind Speed: 0 Direction: N/A

Lab Name: TestAmerica	BP/AR Facility No.: 11133	Consultant/Contractor: Stratus Environmental, Inc.
Address: 885 Jarvis Drive	BP/AR Facility Address: 2220 98th Avenue, Oakland	Address: 3330 Cameron Park Drive, Suite 550
Morgan Hill, CA 95037	Site Lat/Long:	Cameron Park, CA 95682
Lab PM: Lisa Race	California Global ID No.: T0600100210	Consultant/Contractor Project No.:
Tele/Fax: 408-782-8156 408-782-6308 (fax)	Enfos Project No.: G07TT-0037	Consultant/Contractor PM: Jay Johnson
BP/AR PM Contact: Paul Supple	Provision or OCC (circle one): Provision	Tele/Fax: (530) 676-6000 / (530) 676-6005
Address: 2010 Crow Canyon Place, Suite 150	Phase/WBS: 04-Monitoring	Report Type & QC Level: Level I with EDF
San Ramon, CA	Sub Phase/Task: 03-Analytical	E-mail EDD To: shayes@stratusinc.net
Tele/Fax: 925-275-3506	Cost Element: 01-Contractor labor	Invoice to: Atlantic Richfield Co.

Item No.	Sample Description	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis					Sample Point Lat/Long and Comments Oxy* = MTBE, TAME, ETBE, DIPE, TBA		
				Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	CIRO/BTEX/Oxy*	1,2-DCA	Ethanol	EDB	Nitrate and Sulfate (EPA 300)		ferrous Iron and Manganese (EPA 200.7)	Dissolved Sulfide (EPA 376.2)
1	MW-1	1510	11/15/09	X				2					X	X	X	X	X	X	X	X	
2	MW-3	1411		X				2					X	X	X	X	X	X	X	X	
3	AW-1	1315		X				2					X	X	X	X	X	X	X	X	
4	AW-2	1134		X				2					X	X	X	X	X	X	X	X	
5	AW-4	1108		X				2					X	X	X	X	X	X	X	X	
6	AW-5	1238		X				2					X	X	X	X	X	X	X	X	
7	AW-6	1208		X				2					X	X	X	X	X	X	X	X	
8	RW-1	1317		X				2					X	X	X	X	X	X	X	X	
9	VEW-1			X				2					X	X	X	X	X	X	X	X	
10	VEW-4	1347		X				2					X	X	X	X	X	X	X	X	

Labeled 14th and 15th
 sampled 15th
 name sample
 even if you
 hold trip

Sampler's Name: <i>Paul Supple</i>	Relinquished By / Affiliation: <i>Paul Supple</i>	Date: 11/15/09	Time: 1:35	Accepted By / Affiliation: <i>Paul Supple</i>	Date: 11/15	Time: 1:35
Sampler's Company: <i>Stratus Environmental</i>						
Shipment Date:						
Shipment Method:						
Shipment Tracking No.:						

Special Instructions: Please cc results to millier@broadbentinc.com

Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: Yes No | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

31 January, 2008

Jay Johnson
Stratus Environmental Inc. [Arco]
3330 Cameron Park Dr., Suite 550
Cameron Park, CA 95682

RE: BP Heritage #11133, Oakland, CA
Work Order: MRA0625

Enclosed are the results of analyses for samples received by the laboratory on 01/16/08 20:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa Race
Senior Project Manager

CA ELAP Certificate # 2682

The results in this laboratory report pertain only to the samples tested in the laboratory. The analyses contained in this report were performed in accordance with the BPGCLN Technical Specifications, applicable Federal, State, local regulations and certification requirements as well as the methodologies as described in laboratory SOPs reviewed by the BPGCLN. This entire report was reviewed and approved for release.

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: BP Heritage #11133, Oakland, CA Project Number: G07TT-0037 Project Manager: Jay Johnson	MRA0625 Reported: 01/31/08 13:10
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	MRA0625-01	Water	01/15/08 15:10	01/16/08 20:00
MW-3	MRA0625-02	Water	01/15/08 14:41	01/16/08 20:00
AW-1	MRA0625-03	Water	01/15/08 13:15	01/16/08 20:00
AW-2	MRA0625-04	Water	01/15/08 11:34	01/16/08 20:00
AW-4	MRA0625-05	Water	01/15/08 11:08	01/16/08 20:00
AW-5	MRA0625-06	Water	01/15/08 12:38	01/16/08 20:00
AW-6	MRA0625-07	Water	01/15/08 12:08	01/16/08 20:00
RW-1	MRA0625-08	Water	01/15/08 14:17	01/16/08 20:00
VEW-4	MRA0625-09	Water	01/15/08 13:47	01/16/08 20:00
TB-11133-011408	MRA0625-10	Water	01/15/08 06:06	01/16/08 20:00

The carbon range for the TPH-GRO has been changed from C6-C10 to C4-C12. The carbon range for TPH-DRO has been changed from C10-C28 to C10-C36. EPA 8015B has been modified to better meet the requirements of California regulatory agencies. These samples were received with no custody seals.

Stratus Environmental Inc. [Arco]
3330 Cameron Park Dr., Suite 550
Cameron Park CA, 95682

Project: BP Heritage #11133, Oakland, CA
Project Number: G07TT-0037
Project Manager: Jay Johnson

MRA0625
Reported:
01/31/08 13:10

RSK SOP-175

TestAmerica Los Angeles

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MRA0625-01) Water Sampled: 01/15/08 15:10 Received: 01/16/08 20:00									
Methane	2900	1.0	ug/L	1	8021078			RSK SOP-175	
Carbon dioxide	67000	170	"	"	"	"	"	"	
MW-3 (MRA0625-02) Water Sampled: 01/15/08 14:41 Received: 01/16/08 20:00									
Carbon dioxide	29000	170	ug/L	1	8021078			RSK SOP-175	
Methane	ND	1.0	"	"	"	"	"	"	
AW-1 (MRA0625-03) Water Sampled: 01/15/08 13:15 Received: 01/16/08 20:00									
Carbon dioxide	190000	170	ug/L	1	8021078			RSK SOP-175	
Methane	3200	1.0	"	"	"	"	"	"	
AW-2 (MRA0625-04) Water Sampled: 01/15/08 11:34 Received: 01/16/08 20:00									
Carbon dioxide	52000	170	ug/L	1	8021078			RSK SOP-175	
Methane	210	1.0	"	"	"	"	"	"	
AW-4 (MRA0625-05) Water Sampled: 01/15/08 11:08 Received: 01/16/08 20:00									
Methane	610	1.0	ug/L	1	8021078			RSK SOP-175	
Carbon dioxide	120000	170	"	"	"	"	"	"	
AW-5 (MRA0625-06) Water Sampled: 01/15/08 12:38 Received: 01/16/08 20:00									
Methane	120	1.0	ug/L	1	8021078			RSK SOP-175	
Carbon dioxide	79000	170	"	"	"	"	"	"	
AW-6 (MRA0625-07) Water Sampled: 01/15/08 12:08 Received: 01/16/08 20:00									
Methane	50	1.0	ug/L	1	8021078			RSK SOP-175	
Carbon dioxide	41000	170	"	"	"	"	"	"	

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: BP Heritage #11133, Oakland, CA Project Number: G07TT-0037 Project Manager: Jay Johnson	MRA0625 Reported: 01/31/08 13:10
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RSK SOP-175

TestAmerica Los Angeles

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RW-1 (MRA0625-08) Water Sampled: 01/15/08 14:17 Received: 01/16/08 20:00									
Methane	1100	1.0	ug/L	1	8021078			RSK SOP-175	
Carbon dioxide	110000	170	"	"	"	"	"	"	"
VEW-4 (MRA0625-09) Water Sampled: 01/15/08 13:47 Received: 01/16/08 20:00									
Carbon dioxide	50000	170	ug/L	1	8021078			RSK SOP-175	
Methane	840	1.0	"	"	"	"	"	"	"

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: BP Heritage #11133, Oakland, CA Project Number: G07TT-0037 Project Manager: Jay Johnson	MRA0625 Reported: 01/31/08 13:10
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Total Metals by EPA 200 Series Methods
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MRA0625-01) Water	Sampled: 01/15/08 15:10 Received: 01/16/08 20:00								
Manganese	8100	20	ug/l	1	8A17036	01/17/08	01/21/08	EPA 200.7	
MW-3 (MRA0625-02) Water	Sampled: 01/15/08 14:41 Received: 01/16/08 20:00								
Manganese	120	20	ug/l	1	8A17036	01/17/08	01/21/08	EPA 200.7	
AW-1 (MRA0625-03) Water	Sampled: 01/15/08 13:15 Received: 01/16/08 20:00								
Manganese	6400	20	ug/l	1	8A17036	01/17/08	01/21/08	EPA 200.7	
AW-2 (MRA0625-04) Water	Sampled: 01/15/08 11:34 Received: 01/16/08 20:00								
Manganese	1100	20	ug/l	1	8A17036	01/17/08	01/21/08	EPA 200.7	
AW-4 (MRA0625-05) Water	Sampled: 01/15/08 11:08 Received: 01/16/08 20:00								
Manganese	5000	20	ug/l	1	8A17036	01/17/08	01/21/08	EPA 200.7	
AW-5 (MRA0625-06) Water	Sampled: 01/15/08 12:38 Received: 01/16/08 20:00								
Manganese	2300	20	ug/l	1	8A17036	01/17/08	01/21/08	EPA 200.7	
AW-6 (MRA0625-07) Water	Sampled: 01/15/08 12:08 Received: 01/16/08 20:00								
Manganese	1200	20	ug/l	1	8A17036	01/17/08	01/21/08	EPA 200.7	
RW-1 (MRA0625-08) Water	Sampled: 01/15/08 14:17 Received: 01/16/08 20:00								
Manganese	6100	20	ug/l	1	8A17036	01/17/08	01/21/08	EPA 200.7	
VEW-4 (MRA0625-09) Water	Sampled: 01/15/08 13:47 Received: 01/16/08 20:00								
Manganese	880	20	ug/l	1	8A17036	01/17/08	01/21/08	EPA 200.7	

Stratus Environmental Inc. [Arco]
3330 Cameron Park Dr., Suite 550
Cameron Park CA, 95682

Project: BP Heritage #11133, Oakland, CA
Project Number: G07TT-0037
Project Manager: Jay Johnson

MRA0625
Reported:
01/31/08 13:10

Volatiles Organic Compounds by 8260B/LUFT GC/MS

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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MW-1 (MRA0625-01) Water Sampled: 01/15/08 15:10 Received: 01/16/08 20:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Gasoline Range Organics (C4-C12)	2900	50	ug/l	1	8A18023	01/18/08	01/18/08	EPA 8260B/LUFT GC/MS	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Benzene	8.0	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	1.2	0.50	"	"	"	"	"	"	
Toluene	4.0	0.50	"	"	"	"	"	"	
Xylenes (total)	87	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		98 %		75-130	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92 %		60-150	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %		75-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		110 %		55-130	"	"	"	"	

MW-1 (MRA0625-01RE1) Water Sampled: 01/15/08 15:10 Received: 01/16/08 20:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Ethylbenzene	84	5.0	ug/l	10	8A23012	01/23/08	01/23/08	EPA 8260B/LUFT GC/MS	
<i>Surrogate: Dibromofluoromethane</i>		97 %		75-130	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %		60-150	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %		75-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		104 %		55-130	"	"	"	"	

MW-3 (MRA0625-02) Water Sampled: 01/15/08 14:41 Received: 01/16/08 20:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Gasoline Range Organics (C4-C12)	ND	50	ug/l	1	8A23012	01/23/08	01/23/08	EPA 8260B/LUFT GC/MS	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	0.88	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	

TestAmerica Morgan Hill

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

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: BP Heritage #11133, Oakland, CA Project Number: G07TT-0037 Project Manager: Jay Johnson	MRA0625 Reported: 01/31/08 13:10
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Volatiles Organic Compounds by 8260B/LUFT GC/MS

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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MW-3 (MRA0625-02) Water Sampled: 01/15/08 14:41 Received: 01/16/08 20:00

Xylenes (total)	ND	0.50	ug/l	1	8A23012	01/23/08	01/23/08	EPA 8260B/LUFT GC/MS	
<i>Surrogate: Dibromofluoromethane</i>		100 %	75-130		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	60-150		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98 %	75-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		93 %	55-130		"	"	"	"	

AW-1 (MRA0625-03) Water Sampled: 01/15/08 13:15 Received: 01/16/08 20:00

Gasoline Range Organics (C4-C12)	5000	1000	ug/l	20	8A18023	01/18/08	01/18/08	EPA 8260B/LUFT GC/MS	
tert-Amyl methyl ether	.45	10	"	"	"	"	"	"	
Benzene	670	10	"	"	"	"	"	"	
tert-Butyl alcohol	ND	400	"	"	"	"	"	"	
Di-isopropyl ether	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	10	"	"	"	"	"	"	
1,2-Dichloroethane	ND	10	"	"	"	"	"	"	
Ethanol	ND	6000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
Ethylbenzene	490	10	"	"	"	"	"	"	
Methyl tert-butyl ether	230	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Xylenes (total)	200	10	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		98 %	75-130		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96 %	60-150		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98 %	75-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		100 %	55-130		"	"	"	"	

Stratus Environmental Inc. [Arco]
3330 Cameron Park Dr., Suite 550
Cameron Park CA, 95682

Project: BP Heritage #11133, Oakland, CA
Project Number: G07TT-0037
Project Manager: Jay Johnson

MRA0625
Reported:
01/31/08 13:10

Volatiles Organic Compounds by 8260B/LUFT GC/MS

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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AW-2 (MRA0625-04) Water Sampled: 01/15/08 11:34 Received: 01/16/08 20:00

Gasoline Range Organics (C4-C12)	2300	1000	ug/l	20	8A18023	01/18/08	01/18/08	EPA 8260B/LUFT GC/MS	
tert-Amyl methyl ether	ND	10	"	"	"	"	"	"	"
Benzene	900	10	"	"	"	"	"	"	"
tert-Butyl alcohol	ND	400	"	"	"	"	"	"	"
Di-isopropyl ether	ND	10	"	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	10	"	"	"	"	"	"	"
1,2-Dichloroethane	ND	10	"	"	"	"	"	"	"
Ethanol	ND	6000	"	"	"	"	"	"	"
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	"
Ethylbenzene	100	10	"	"	"	"	"	"	"
Methyl tert-butyl ether	48	10	"	"	"	"	"	"	"
Toluene	87	10	"	"	"	"	"	"	"
Xylenes (total)	140	10	"	"	"	"	"	"	"
<i>Surrogate: Dibromofluoromethane</i>		96 %		75-130	"	"	"	"	"
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99 %		60-150	"	"	"	"	"
<i>Surrogate: Toluene-d8</i>		98 %		75-120	"	"	"	"	"
<i>Surrogate: 4-Bromofluorobenzene</i>		98 %		55-130	"	"	"	"	"

AW-4 (MRA0625-05) Water Sampled: 01/15/08 11:08 Received: 01/16/08 20:00

Gasoline Range Organics (C4-C12)	150	50	ug/l	1	8A23012	01/23/08	01/23/08	EPA 8260B/LUFT GC/MS	
tert-Amyl methyl ether	2.3	0.50	"	"	"	"	"	"	"
Benzene	ND	0.50	"	"	"	"	"	"	"
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	"
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	"
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	"
Ethanol	ND	300	"	"	"	"	"	"	"
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	"
Ethylbenzene	0.71	0.50	"	"	"	"	"	"	"
Methyl tert-butyl ether	17	0.50	"	"	"	"	"	"	"
Toluene	ND	0.50	"	"	"	"	"	"	"
Xylenes (total)	ND	0.50	"	"	"	"	"	"	"
<i>Surrogate: Dibromofluoromethane</i>		98 %		75-130	"	"	"	"	"
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %		60-150	"	"	"	"	"
<i>Surrogate: Toluene-d8</i>		104 %		75-120	"	"	"	"	"
<i>Surrogate: 4-Bromofluorobenzene</i>		96 %		55-130	"	"	"	"	"

TestAmerica Morgan Hill

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Stratus Environmental Inc. [Arco]
3330 Cameron Park Dr., Suite 550
Cameron Park CA, 95682

Project: BP Heritage #11133, Oakland, CA
Project Number: G07TT-0037
Project Manager: Jay Johnson

MRA0625
Reported:
01/31/08 13:10

Volatiles Organic Compounds by 8260B/LUFT GC/MS

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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AW-5 (MRA0625-06) Water Sampled: 01/15/08 12:38 Received: 01/16/08 20:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Gasoline Range Organics (C4-C12)	130	50	ug/l	1	8A22009	01/22/08	01/22/08	EPA 8260B/LUFT GC/MS	PV
<i>tert</i> -Amyl methyl ether	21	0.50	"	"	"	"	"	"	
Benzene	0.54	0.50	"	"	"	"	"	"	
<i>tert</i> -Butyl alcohol	200	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	
Ethyl <i>tert</i> -butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl <i>tert</i>-butyl ether	85	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		98 %		75-130	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98 %		60-150	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %		75-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		99 %		55-130	"	"	"	"	

AW-6 (MRA0625-07) Water Sampled: 01/15/08 12:08 Received: 01/16/08 20:00

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Gasoline Range Organics (C4-C12)	120	100	ug/l	2	8A22009	01/22/08	01/22/08	EPA 8260B/LUFT GC/MS	PV
<i>tert</i> -Amyl methyl ether	42	1.0	"	"	"	"	"	"	
Benzene	1.1	1.0	"	"	"	"	"	"	
<i>tert</i> -Butyl alcohol	ND	40	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
Ethanol	ND	600	"	"	"	"	"	"	
Ethyl <i>tert</i> -butyl ether	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Methyl <i>tert</i>-butyl ether	150	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		96 %		75-130	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %		60-150	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99 %		75-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92 %		55-130	"	"	"	"	

TestAmerica Morgan Hill

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Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: BP Heritage #11133, Oakland, CA Project Number: G07TT-0037 Project Manager: Jay Johnson	MRA0625 Reported: 01/31/08 13:10
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Volatiles Organic Compounds by 8260B/LUFT GC/MS
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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RW-1 (MRA0625-08) Water Sampled: 01/15/08 14:17 Received: 01/16/08 20:00

Gasoline Range Organics (C4-C12)	1700	100	ug/l	2	8A18023	01/18/08	01/18/08	EPA 8260B/LUFT GC/MS	
tert-Amyl methyl ether	1.3	1.0	"	"	"	"	"	"	
Benzene	21	1.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	40	"	"	"	"	"	"	
Di-isopropyl ether	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	1.0	"	"	"	"	"	"	
Ethanol	ND	600	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	45	1.0	"	"	"	"	"	"	
Methyl tert-butyl ether	14	1.0	"	"	"	"	"	"	
Toluene	1.6	1.0	"	"	"	"	"	"	
Xylenes (total)	10	1.0	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		98 %		75-130	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %		60-150	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %		75-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		110 %		55-130	"	"	"	"	

VEW-4 (MRA0625-09) Water Sampled: 01/15/08 13:47 Received: 01/16/08 20:00

Gasoline Range Organics (C4-C12)	350	50	ug/l	1	8A18023	01/18/08	01/19/08	EPA 8260B/LUFT GC/MS	
tert-Amyl methyl ether	ND	0.50	"	"	"	"	"	"	
Benzene	19	0.50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	20	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
Ethanol	ND	300	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	5.0	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Toluene	1.1	0.50	"	"	"	"	"	"	
Xylenes (total)	3.3	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		97 %		75-130	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94 %		60-150	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %		75-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		100 %		55-130	"	"	"	"	

Stratus Environmental Inc. [Arco]
3330 Cameron Park Dr., Suite 550
Cameron Park CA, 95682

Project: BP Heritage #11133, Oakland, CA
Project Number: G07TT-0037
Project Manager: Jay Johnson

MRA0625
Reported:
01/31/08 13:10

Conventional Chemistry Parameters by APHA/EPA Methods
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MRA0625-01) Water Sampled: 01/15/08 15:10 Received: 01/16/08 20:00									
Total Alkalinity	320000	5000	ug/l	1	8A18039	01/17/08	01/17/08	SM 2320B	
Soluble Sulfide	ND	1000	"	"	8A18038	01/16/08	01/16/08 21:00	SM 4500 S2B	BV
MW-3 (MRA0625-02) Water Sampled: 01/15/08 14:41 Received: 01/16/08 20:00									
Total Alkalinity	130000	5000	ug/l	1	8A18039	01/17/08	01/17/08	SM 2320B	
Soluble Sulfide	ND	1000	"	"	8A18038	01/16/08	01/16/08 21:00	SM 4500 S2B	BV
AW-1 (MRA0625-03) Water Sampled: 01/15/08 13:15 Received: 01/16/08 20:00									
Total Alkalinity	410000	5000	ug/l	1	8A18039	01/17/08	01/17/08	SM 2320B	
Soluble Sulfide	ND	1000	"	"	8A18038	01/16/08	01/16/08 21:00	SM 4500 S2B	BV
AW-2 (MRA0625-04) Water Sampled: 01/15/08 11:34 Received: 01/16/08 20:00									
Total Alkalinity	190000	5000	ug/l	1	8A18039	01/17/08	01/17/08	SM 2320B	
Soluble Sulfide	ND	1000	"	"	8A18038	01/16/08	01/16/08 21:00	SM 4500 S2B	BV
AW-4 (MRA0625-05) Water Sampled: 01/15/08 11:08 Received: 01/16/08 20:00									
Total Alkalinity	390000	5000	ug/l	1	8A18039	01/17/08	01/17/08	SM 2320B	
Soluble Sulfide	ND	1000	"	"	8A18038	01/16/08	01/16/08 21:00	SM 4500 S2B	BV
AW-5 (MRA0625-06) Water Sampled: 01/15/08 12:38 Received: 01/16/08 20:00									
Total Alkalinity	230000	5000	ug/l	1	8A18039	01/17/08	01/17/08	SM 2320B	
Soluble Sulfide	ND	1000	"	"	8A18038	01/16/08	01/16/08 21:00	SM 4500 S2B	BV
AW-6 (MRA0625-07) Water Sampled: 01/15/08 12:08 Received: 01/16/08 20:00									
Total Alkalinity	150000	5000	ug/l	1	8A18039	01/17/08	01/17/08	SM 2320B	
Soluble Sulfide	ND	1000	"	"	8A18038	01/16/08	01/16/08 21:00	SM 4500 S2B	BV

Stratus Environmental Inc. [Arco]
3330 Cameron Park Dr., Suite 550
Cameron Park CA, 95682

Project: BP Heritage #11133, Oakland, CA
Project Number: G07TT-0037
Project Manager: Jay Johnson

MRA0625
Reported:
01/31/08 13:10

Conventional Chemistry Parameters by APHA/EPA Methods
TestAmerica Morgan Hill

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
RW-1 (MRA0625-08) Water Sampled: 01/15/08 14:17 Received: 01/16/08 20:00										
Total Alkalinity	350000	5000		ug/l	1	8A18039	01/17/08	01/17/08	SM 2320B	
Soluble Sulfide	ND	1000		"	"	8A18038	01/16/08	01/16/08 21:00	SM 4500 S2B	BV
VEW-4 (MRA0625-09) Water Sampled: 01/15/08 13:47 Received: 01/16/08 20:00										
Total Alkalinity	210000	5000		ug/l	1	8A18039	01/17/08	01/17/08	SM 2320B	
Soluble Sulfide	ND	1000		"	"	8A18038	01/16/08	01/16/08 21:00	SM 4500 S2B	BV

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: BP Heritage #11133, Oakland, CA Project Number: G07TT-0037 Project Manager: Jay Johnson	MRA0625 Reported: 01/31/08 13:10
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Ferrous Iron by Hach method 8146/1;10 Phenanthroline Method
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MRA0625-01) Water Sampled: 01/15/08 15:10 Received: 01/16/08 20:00									
Ferrous Iron	1300	500	ug/l	5	8A17025	01/16/08	01/16/08 22:10	Hach Co. 8146	BV
MW-3 (MRA0625-02) Water Sampled: 01/15/08 14:41 Received: 01/16/08 20:00									
Ferrous Iron	ND	100	ug/l	1	8A17025	01/16/08	01/16/08 22:10	Hach Co. 8146	BV
AW-1 (MRA0625-03) Water Sampled: 01/15/08 13:15 Received: 01/16/08 20:00									
Ferrous Iron	3200	500	ug/l	5	8A17025	01/16/08	01/16/08 22:10	Hach Co. 8146	BV
AW-2 (MRA0625-04) Water Sampled: 01/15/08 11:34 Received: 01/16/08 20:00									
Ferrous Iron	ND	500	ug/l	5	8A17025	01/16/08	01/16/08 22:10	Hach Co. 8146	BV
AW-4 (MRA0625-05) Water Sampled: 01/15/08 11:08 Received: 01/16/08 20:00									
Ferrous Iron	1500	500	ug/l	5	8A17025	01/16/08	01/16/08 22:10	Hach Co. 8146	BV
AW-5 (MRA0625-06) Water Sampled: 01/15/08 12:38 Received: 01/16/08 20:00									
Ferrous Iron	1400	500	ug/l	5	8A17025	01/16/08	01/16/08 22:10	Hach Co. 8146	BV
AW-6 (MRA0625-07) Water Sampled: 01/15/08 12:08 Received: 01/16/08 20:00									
Ferrous Iron	ND	100	ug/l	1	8A17025	01/16/08	01/16/08 22:10	Hach Co. 8146	BV
RW-1 (MRA0625-08) Water Sampled: 01/15/08 14:17 Received: 01/16/08 20:00									
Ferrous Iron	1800	500	ug/l	5	8A17025	01/16/08	01/16/08 22:10	Hach Co. 8146	BV
VEW-4 (MRA0625-09) Water Sampled: 01/15/08 13:47 Received: 01/16/08 20:00									
Ferrous Iron	ND	500	ug/l	5	8A17025	01/16/08	01/16/08 22:10	Hach Co. 8146	BV

Stratus Environmental Inc. [Arco]
3330 Cameron Park Dr., Suite 550
Cameron Park CA, 95682

Project: BP Heritage #11133, Oakland, CA
Project Number: G07TT-0037
Project Manager: Jay Johnson

MRA0625
Reported:
01/31/08 13:10

Anions by EPA Method 300.0
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (MRA0625-01) Water Sampled: 01/15/08 15:10 Received: 01/16/08 20:00									
Nitrate as NO3	ND	500	ug/l	1	8A18009	01/17/08	01/17/08 13:02	EPA 300.0	
Sulfate as SO4	51000	5000	"	10	"	"	"	"	
MW-3 (MRA0625-02) Water Sampled: 01/15/08 14:41 Received: 01/16/08 20:00									
Nitrate as NO3	2500	500	ug/l	1	8A18009	01/17/08	01/17/08 13:20	EPA 300.0	
Sulfate as SO4	44000	5000	"	10	"	"	"	"	
AW-1 (MRA0625-03) Water Sampled: 01/15/08 13:15 Received: 01/16/08 20:00									
Nitrate as NO3	ND	500	ug/l	1	8A18009	01/17/08	01/17/08 13:37	EPA 300.0	BU
Sulfate as SO4	1900	500	"	"	"	"	"	"	
AW-2 (MRA0625-04) Water Sampled: 01/15/08 11:34 Received: 01/16/08 20:00									
Nitrate as NO3	4400	500	ug/l	1	8A18009	01/17/08	01/17/08 11:15	EPA 300.0	
Sulfate as SO4	21000	5000	"	10	"	"	"	"	
AW-4 (MRA0625-05) Water Sampled: 01/15/08 11:08 Received: 01/16/08 20:00									
Nitrate as NO3	ND	500	ug/l	1	8A18009	01/17/08	01/17/08 11:33	EPA 300.0	BU
Sulfate as SO4	82000	5000	"	10	"	"	"	"	
AW-5 (MRA0625-06) Water Sampled: 01/15/08 12:38 Received: 01/16/08 20:00									
Nitrate as NO3	ND	500	ug/l	1	8A18009	01/17/08	01/17/08 11:50	EPA 300.0	
Sulfate as SO4	12000	500	"	"	"	"	"	"	
AW-6 (MRA0625-07) Water Sampled: 01/15/08 12:08 Received: 01/16/08 20:00									
Nitrate as NO3	ND	500	ug/l	1	8A18009	01/17/08	01/17/08 11:59	EPA 300.0	
Sulfate as SO4	21000	5000	"	10	"	"	"	"	

Stratus Environmental Inc. [Arco]
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Project: BP Heritage #11133, Oakland, CA
Project Number: G07TT-0037
Project Manager: Jay Johnson

MRA0625
Reported:
01/31/08 13:10

Anions by EPA Method 300.0
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
RW-1 (MRA0625-08) Water Sampled: 01/15/08 14:17 Received: 01/16/08 20:00									
Nitrate as NO3	ND	500	ug/l	1	8A18009	01/17/08	01/17/08 12:17	EPA 300.0	
Sulfate as SO4	5000	500	"	"	"	"	"	"	
VEW-4 (MRA0625-09) Water Sampled: 01/15/08 13:47 Received: 01/16/08 20:00									
Nitrate as NO3	3000	500	ug/l	1	8A18009	01/17/08	01/17/08 12:26	EPA 300.0	
Sulfate as SO4	31000	5000	"	10	"	"	"	"	

Stratus Environmental Inc. [Arco]
3330 Cameron Park Dr., Suite 550
Cameron Park CA, 95682

Project: BP Heritage #11133, Oakland, CA
Project Number: G07TT-0037
Project Manager: Jay Johnson

MRA0625
Reported:
01/31/08 13:10

RSK SOP-175 - Quality Control
TestAmerica Los Angeles

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8021078 - RSKSOP-175 / RSK SOP-175										
Blank (M8A210000077B)										
Methane	ND	1.0	ug/L				-			Prepared & Analyzed: 01/22/08
Laboratory Control Sample (M8A210000077C)										
Methane	319	1.0	ug/L	327		97	70-125			Prepared & Analyzed: 01/22/08
Laboratory Control Sample Dup (M8A210000077L)										
Methane	325	1.0	ug/L	327		99	70-125	2.0	30	Prepared & Analyzed: 01/22/08
Blank (M8A210000078B)										
Carbon dioxide	ND	170	ug/L				-			Prepared & Analyzed: 01/22/08
Laboratory Control Sample (M8A210000078C)										
Carbon dioxide	20000	170	ug/L	18000		111	75-135			Prepared & Analyzed: 01/22/08
Laboratory Control Sample Dup (M8A210000078L)										
Carbon dioxide	20200	170	ug/L	18000		112	75-135	1.2	20	Prepared & Analyzed: 01/22/08

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: BP Heritage #11133, Oakland, CA Project Number: G07TT-0037 Project Manager: Jay Johnson	MRA0625 Reported: 01/31/08 13:10
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Total Metals by EPA 200 Series Methods - Quality Control
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8A17036 - EPA 200.7/3005A / EPA 200.7										
Blank (8A17036-BLK1) Prepared: 01/17/08 Analyzed: 01/21/08										
Manganese	ND	20	ug/l							
Laboratory Control Sample (8A17036-BS1) Prepared: 01/17/08 Analyzed: 01/21/08										
Manganese	929	20	ug/l	1000		93	85-115			
Matrix Spike (8A17036-MS1) Source: MRA0570-01 Prepared: 01/17/08 Analyzed: 01/21/08										
Manganese	20500	20	ug/l	1000	19800	74	70-130			
Matrix Spike Dup (8A17036-MSD1) Source: MRA0570-01 Prepared: 01/17/08 Analyzed: 01/21/08										
Manganese	20400	20	ug/l	1000	19800	61	70-130	0.6	20	BB

Stratus Environmental Inc. [Arco]
3330 Cameron Park Dr., Suite 550
Cameron Park CA, 95682

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Volatiles Organic Compounds by 8260B/LUFT GC/MS - Quality Control
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Notes
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Batch 8A18023 - EPA 5030B P/T / EPA 8260B/LUFT GC/MS

Blank (8A18023-BLK1)

Prepared & Analyzed: 01/18/08

Gasoline Range Organics (C4-C12)	ND	50	ug/l							
tert-Amyl methyl ether	ND	0.50	"							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	300	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
<i>Surrogate: Dibromofluoromethane</i>	2.42		"	2.50		97	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.44		"	2.50		98	60-150			
<i>Surrogate: Toluene-d8</i>	2.42		"	2.50		97	75-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.44		"	2.50		98	55-130			

Laboratory Control Sample (8A18023-BS1)

Prepared & Analyzed: 01/18/08

tert-Amyl methyl ether	9.83	0.50	ug/l	10.0		98	75-125			
Benzene	9.39	0.50	"	10.0		94	75-120			
tert-Butyl alcohol	183	20	"	200		92	80-120			
Di-isopropyl ether	9.67	0.50	"	10.0		97	70-130			
1,2-Dibromoethane (EDB)	9.80	0.50	"	10.0		98	75-130			
1,2-Dichloroethane	9.65	0.50	"	10.0		96	65-130			
Ethanol	187	300	"	200		93	50-150			
Ethyl tert-butyl ether	9.50	0.50	"	10.0		95	75-130			
Ethylbenzene	10.2	0.50	"	10.0		102	80-125			
Methyl tert-butyl ether	9.82	0.50	"	10.0		98	80-130			
Toluene	9.89	0.50	"	10.0		99	80-120			
Xylenes (total)	30.3	0.50	"	30.0		101	80-125			
<i>Surrogate: Dibromofluoromethane</i>	2.53		"	2.50		101	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.43		"	2.50		97	60-150			
<i>Surrogate: Toluene-d8</i>	2.45		"	2.50		98	75-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.56		"	2.50		102	55-130			

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Volatiles Organic Compounds by 8260B/LUFT GC/MS - Quality Control
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8A18023 - EPA 5030B P/T / EPA 8260B/LUFT GC/MS

Laboratory Control Sample (8A18023-BS2)				Prepared & Analyzed: 01/18/08						
Gasoline Range Organics (C4-C12)	469	50	ug/l	500	94	55-130				
Surrogate: Dibromofluoromethane	2.37		"	2.50	95	75-130				
Surrogate: 1,2-Dichloroethane-d4	2.52		"	2.50	101	60-150				
Surrogate: Toluene-d8	2.49		"	2.50	100	75-120				
Surrogate: 4-Bromofluorobenzene	2.69		"	2.50	108	55-130				

Laboratory Control Sample Dup (8A18023-BSD2)				Prepared & Analyzed: 01/18/08						
Gasoline Range Organics (C4-C12)	434	50	ug/l	500	87	55-130	8	20		
Surrogate: Dibromofluoromethane	2.43		"	2.50	97	75-130				
Surrogate: 1,2-Dichloroethane-d4	2.45		"	2.50	98	60-150				
Surrogate: Toluene-d8	2.47		"	2.50	99	75-120				
Surrogate: 4-Bromofluorobenzene	2.61		"	2.50	104	55-130				

Matrix Spike (8A18023-MS1)		Source: MRA0625-01			Prepared & Analyzed: 01/18/08						
Gasoline Range Organics (C4-C12)	3480	50	ug/l	550	2860	114	25-150				
tert-Amyl methyl ether	11.0	0.50	"	10.0	ND	110	75-140				
Benzene	17.2	0.50	"	10.0	7.98	93	80-120				
tert-Butyl alcohol	195	20	"	200	5.02	95	80-125				
Di-isopropyl ether	10.9	0.50	"	10.0	ND	109	75-135				
1,2-Dibromoethane (EDB)	10.4	0.50	"	10.0	ND	104	80-135				
1,2-Dichloroethane	10.3	0.50	"	10.0	ND	103	65-145				
Ethanol	169	300	"	200	ND	85	50-150				
Ethyl tert-butyl ether	10.5	0.50	"	10.0	ND	105	80-135				
Ethylbenzene	76.9	0.50	"	10.0	74.0	29	75-130			BB, EY	
Methyl tert-butyl ether	11.5	0.50	"	10.0	1.19	103	75-145				
Toluene	14.6	0.50	"	10.0	4.05	105	80-125				
Xylenes (total)	111	0.50	"	30.0	86.8	82	75-125				
Surrogate: Dibromofluoromethane	2.41		"	2.50	96	75-130					
Surrogate: 1,2-Dichloroethane-d4	2.30		"	2.50	92	60-150					
Surrogate: Toluene-d8	2.49		"	2.50	100	75-120					
Surrogate: 4-Bromofluorobenzene	2.78		"	2.50	111	55-130					

Stratus Environmental Inc. [Arco]
3330 Cameron Park Dr., Suite 550
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Project: BP Heritage #11133, Oakland, CA
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Volatiles Organic Compounds by 8260B/LUFT GC/MS - Quality Control
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8A18023 - EPA 5030B P/T / EPA 8260B/LUFT GC/MS

Matrix Spike Dup (8A18023-MSD1)	Source: MRA0625-01			Prepared & Analyzed: 01/18/08						
Gasoline Range Organics (C4-C12)	3020	50	ug/l	550	2860	29	25-150	14	20	
tert-Amyl methyl ether	10.4	0.50	"	10.0	ND	104	75-140	6	25	
Benzene	16.0	0.50	"	10.0	7.98	81	80-120	7	20	
tert-Butyl alcohol	180	20	"	200	5.02	87	80-125	8	25	
Di-isopropyl ether	9.83	0.50	"	10.0	ND	98	75-135	10	25	
1,2-Dibromoethane (EDB)	10.2	0.50	"	10.0	ND	102	80-135	2	30	
1,2-Dichloroethane	9.61	0.50	"	10.0	ND	96	65-145	7	25	
Ethanol	148	300	"	200	ND	74	50-150	13	25	
Ethyl tert-butyl ether	9.80	0.50	"	10.0	ND	98	80-135	7	25	
Ethylbenzene	70.1	0.50	"	10.0	74.0	0	75-130	9	20	BB, EY
Methyl tert-butyl ether	10.9	0.50	"	10.0	1.19	98	75-145	5	25	
Toluene	13.5	0.50	"	10.0	4.05	95	80-125	7	25	
Xylenes (total)	103	0.50	"	30.0	86.8	54	75-125	8	20	BB
Surrogate: Dibromofluoromethane	2.54		"	2.50		102	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.39		"	2.50		96	60-150			
Surrogate: Toluene-d8	2.51		"	2.50		100	75-120			
Surrogate: 4-Bromofluorobenzene	2.79		"	2.50		112	55-130			

Batch 8A22009 - EPA 5030B P/T / EPA 8260B/LUFT GC/MS

Blank (8A22009-BLK1)	Prepared & Analyzed: 01/22/08									
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
tert-Amyl methyl ether	ND	0.50	"							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	300	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Surrogate: Dibromofluoromethane	2.45		"	2.50		98	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.53		"	2.50		101	60-150			

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Volatiles Organic Compounds by 8260B/LUFT GC/MS - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8A22009 - EPA 5030B P/T / EPA 8260B/LUFT GC/MS

Blank (8A22009-BLK1)

Prepared & Analyzed: 01/22/08

Surrogate: Toluene-d8	2.48		ug/l	2.50		99	75-120			
Surrogate: 4-Bromofluorobenzene	2.34		"	2.50		94	55-130			

Laboratory Control Sample (8A22009-BS1)

Prepared & Analyzed: 01/22/08

tert-Amyl methyl ether	10.6	0.50	ug/l	10.0		106	75-125			
Benzene	10.3	0.50	"	10.0		103	75-120			
tert-Butyl alcohol	195	20	"	200		97	80-120			
Di-isopropyl ether	10.6	0.50	"	10.0		106	70-130			
1,2-Dibromoethane (EDB)	11.0	0.50	"	10.0		110	75-130			
1,2-Dichloroethane	10.1	0.50	"	10.0		101	65-130			
Ethanol	183	300	"	200		91	50-150			
Ethyl tert-butyl ether	10.5	0.50	"	10.0		105	75-130			
Ethylbenzene	10.5	0.50	"	10.0		105	80-125			
Methyl tert-butyl ether	11.0	0.50	"	10.0		110	80-130			
Toluene	10.3	0.50	"	10.0		103	80-120			
Xylenes (total)	31.9	0.50	"	30.0		106	80-125			
Surrogate: Dibromofluoromethane	2.51		"	2.50		100	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.53		"	2.50		101	60-150			
Surrogate: Toluene-d8	2.57		"	2.50		103	75-120			
Surrogate: 4-Bromofluorobenzene	2.54		"	2.50		102	55-130			

Laboratory Control Sample (8A22009-BS2)

Prepared & Analyzed: 01/22/08

Gasoline Range Organics (C4-C12)	478	50	ug/l	500		96	55-130			
Surrogate: Dibromofluoromethane	2.51		"	2.50		100	75-130			
Surrogate: 1,2-Dichloroethane-d4	2.47		"	2.50		99	60-150			
Surrogate: Toluene-d8	2.55		"	2.50		102	75-120			
Surrogate: 4-Bromofluorobenzene	2.52		"	2.50		101	55-130			

Stratus Environmental Inc. [Arco]
3330 Cameron Park Dr., Suite 550
Cameron Park CA, 95682

Project: BP Heritage #11133, Oakland, CA
Project Number: G07TT-0037
Project Manager: Jay Johnson

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Volatiles Organic Compounds by 8260B/LUFT GC/MS - Quality Control
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8A22009 - EPA 5030B P/T / EPA 8260B/LUFT GC/MS

Laboratory Control Sample Dup (8A22009-BSD2)

Prepared & Analyzed: 01/22/08

Gasoline Range Organics (C4-C12)	479	50	ug/l	500		96	55-130	0.2	20	
<i>Surrogate: Dibromofluoromethane</i>	2.52		"	2.50		101	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.60		"	2.50		104	60-150			
<i>Surrogate: Toluene-d8</i>	2.63		"	2.50		105	75-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.52		"	2.50		101	55-130			

Matrix Spike (8A22009-MS1)

Source: MRA0685-01

Prepared & Analyzed: 01/22/08

Gasoline Range Organics (C4-C12)	463	50	ug/l	550	ND	84	25-150			
tert-Amyl methyl ether	10.5	0.50	"	10.0	ND	105	75-140			
Benzene	10.0	0.50	"	10.0	ND	100	80-120			
tert-Butyl alcohol	192	20	"	200	3.49	94	80-125			
Di-isopropyl ether	10.6	0.50	"	10.0	ND	106	75-135			
1,2-Dibromoethane (EDB)	10.5	0.50	"	10.0	ND	105	80-135			
1,2-Dichloroethane	9.79	0.50	"	10.0	ND	98	65-145			
Ethanol	170	300	"	200	ND	85	50-150			
Ethyl tert-butyl ether	10.5	0.50	"	10.0	ND	105	80-135			
Ethylbenzene	10.0	0.50	"	10.0	ND	100	75-130			
Methyl tert-butyl ether	11.8	0.50	"	10.0	0.940	109	75-145			
Toluene	10.2	0.50	"	10.0	ND	102	80-125			
Xylenes (total)	31.0	0.50	"	30.0	ND	103	75-125			
<i>Surrogate: Dibromofluoromethane</i>	2.56		"	2.50		102	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.52		"	2.50		101	60-150			
<i>Surrogate: Toluene-d8</i>	2.62		"	2.50		105	75-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.62		"	2.50		105	55-130			

Matrix Spike Dup (8A22009-MSD1)

Source: MRA0685-01

Prepared & Analyzed: 01/22/08

Gasoline Range Organics (C4-C12)	473	50	ug/l	550	ND	86	25-150	2	20	
tert-Amyl methyl ether	10.7	0.50	"	10.0	ND	107	75-140	2	25	
Benzene	10.3	0.50	"	10.0	ND	103	80-120	3	20	
tert-Butyl alcohol	207	20	"	200	3.49	102	80-125	8	25	
Di-isopropyl ether	10.8	0.50	"	10.0	ND	108	75-135	2	25	
1,2-Dibromoethane (EDB)	10.8	0.50	"	10.0	ND	108	80-135	3	30	
1,2-Dichloroethane	10.2	0.50	"	10.0	ND	102	65-145	4	25	
Ethanol	174	300	"	200	ND	87	50-150	2	25	
Ethyl tert-butyl ether	10.8	0.50	"	10.0	ND	108	80-135	2	25	
Ethylbenzene	10.5	0.50	"	10.0	ND	105	75-130	5	20	

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Volatiles Organic Compounds by 8260B/LUFT GC/MS - Quality Control
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8A22009 - EPA 5030B P/T / EPA 8260B/LUFT GC/MS

Matrix Spike Dup (8A22009-MSD1)	Source: MRA0685-01	Prepared & Analyzed: 01/22/08								
Methyl tert-butyl ether	11.9	0.50	ug/l	10.0	0.940	110	75-145	1	25	
Toluene	10.5	0.50	"	10.0	ND	105	80-125	3	25	
Xylenes (total)	32.4	0.50	"	30.0	ND	108	75-125	5	20	
<i>Surrogate: Dibromofluoromethane</i>	2.62		"	2.50		105	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.50		"	2.50		100	60-150			
<i>Surrogate: Toluene-d8</i>	2.57		"	2.50		103	75-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.61		"	2.50		104	55-130			

Batch 8A23012 - EPA 5030B P/T / EPA 8260B/LUFT GC/MS

Blank (8A23012-BLK1)	Prepared & Analyzed: 01/23/08									
Gasoline Range Organics (C4-C12)	ND	50	ug/l							
tert-Amyl methyl ether	ND	0.50	"							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
Ethanol	ND	300	"							
Ethyl tert-butyl ether	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
<i>Surrogate: Dibromofluoromethane</i>	2.55		"	2.50		102	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.55		"	2.50		102	60-150			
<i>Surrogate: Toluene-d8</i>	2.41		"	2.50		96	75-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.35		"	2.50		94	55-130			

Stratus Environmental Inc. [Arco]
3330 Cameron Park Dr., Suite 550
Cameron Park CA, 95682

Project: BP Heritage #11133, Oakland, CA
Project Number: G07TT-0037
Project Manager: Jay Johnson

MRA0625
Reported:
01/31/08 13:10

Volatiles Organic Compounds by 8260B/LUFT GC/MS - Quality Control
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8A23012 - EPA 5030B P/T / EPA 8260B/LUFT GC/MS

Laboratory Control Sample (8A23012-BS1)

Prepared & Analyzed: 01/23/08

tert-Amyl methyl ether	10.7	0.50	ug/l	10.0		107	75-125			
Benzene	10.0	0.50	"	10.0		100	75-120			
tert-Butyl alcohol	180	20	"	200		90	80-120			
Di-isopropyl ether	10.4	0.50	"	10.0		104	70-130			
1,2-Dibromoethane (EDB)	10.4	0.50	"	10.0		104	75-130			
1,2-Dichloroethane	9.96	0.50	"	10.0		100	65-130			
Ethanol	203	300	"	200		101	50-150			
Ethyl tert-butyl ether	10.1	0.50	"	10.0		101	75-130			
Ethylbenzene	10.5	0.50	"	10.0		105	80-125			
Methyl tert-butyl ether	10.5	0.50	"	10.0		105	80-130			
Toluene	10.4	0.50	"	10.0		104	80-120			
Xylenes (total)	33.6	0.50	"	30.0		112	80-125			
<i>Surrogate: Dibromofluoromethane</i>	2.60		"	2.50		104	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.46		"	2.50		98	60-150			
<i>Surrogate: Toluene-d8</i>	2.61		"	2.50		104	75-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.62		"	2.50		105	55-130			

Laboratory Control Sample (8A23012-BS2)

Prepared & Analyzed: 01/23/08

Gasoline Range Organics (C4-C12)	479	50	ug/l	500		96	55-130			
<i>Surrogate: Dibromofluoromethane</i>	2.55		"	2.50		102	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.46		"	2.50		98	60-150			
<i>Surrogate: Toluene-d8</i>	2.63		"	2.50		105	75-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.58		"	2.50		103	55-130			

Laboratory Control Sample Dup (8A23012-BSD2)

Prepared & Analyzed: 01/23/08

Gasoline Range Organics (C4-C12)	488	50	ug/l	500		98	55-130	2	20	
<i>Surrogate: Dibromofluoromethane</i>	2.51		"	2.50		100	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.52		"	2.50		101	60-150			
<i>Surrogate: Toluene-d8</i>	2.61		"	2.50		104	75-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.62		"	2.50		105	55-130			

Stratus Environmental Inc. [Arco]
3330 Cameron Park Dr., Suite 550
Cameron Park CA, 95682

Project: BP Heritage #11133, Oakland, CA
Project Number: G07TT-0037
Project Manager: Jay Johnson

MRA0625
Reported:
01/31/08 13:10

Volatiles Organic Compounds by 8260B/LUFT GC/MS - Quality Control

TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8A23012 - EPA 5030B P/T / EPA 8260B/LUFT GC/MS

Matrix Spike (8A23012-MS1)	Source: MRA0729-01			Prepared & Analyzed: 01/23/08						
Gasoline Range Organics (C4-C12)	465	50	ug/l	550	ND	85	25-150			
tert-Amyl methyl ether	11.1	0.50	"	10.0	ND	111	75-140			
Benzene	10.2	0.50	"	10.0	ND	102	80-120			
tert-Butyl alcohol	210	20	"	200	ND	105	80-125			
Di-isopropyl ether	10.6	0.50	"	10.0	ND	106	75-135			
1,2-Dibromoethane (EDB)	10.8	0.50	"	10.0	ND	108	80-135			
1,2-Dichloroethane	10.4	0.50	"	10.0	0.200	102	65-145			
Ethanol	202	300	"	200	ND	101	50-150			
Ethyl tert-butyl ether	10.4	0.50	"	10.0	ND	104	80-135			
Ethylbenzene	10.4	0.50	"	10.0	ND	104	75-130			
Methyl tert-butyl ether	14.7	0.50	"	10.0	3.66	110	75-145			
Toluene	10.4	0.50	"	10.0	ND	104	80-125			
Xylenes (total)	32.0	0.50	"	30.0	ND	107	75-125			
<i>Surrogate: Dibromofluoromethane</i>	2.58		"	2.50		103	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.48		"	2.50		99	60-150			
<i>Surrogate: Toluene-d8</i>	2.56		"	2.50		102	75-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.64		"	2.50		106	55-130			

Matrix Spike Dup (8A23012-MSD1)	Source: MRA0729-01			Prepared & Analyzed: 01/23/08						
Gasoline Range Organics (C4-C12)	495	50	ug/l	550	ND	90	25-150	6	20	
tert-Amyl methyl ether	11.7	0.50	"	10.0	ND	117	75-140	5	25	
Benzene	10.4	0.50	"	10.0	ND	104	80-120	2	20	
tert-Butyl alcohol	192	20	"	200	ND	96	80-125	9	25	
Di-isopropyl ether	10.9	0.50	"	10.0	ND	109	75-135	2	25	
1,2-Dibromoethane (EDB)	11.4	0.50	"	10.0	ND	114	80-135	5	30	
1,2-Dichloroethane	10.9	0.50	"	10.0	0.200	107	65-145	5	25	
Ethanol	187	300	"	200	ND	94	50-150	7	25	
Ethyl tert-butyl ether	10.8	0.50	"	10.0	ND	108	80-135	4	25	
Ethylbenzene	10.5	0.50	"	10.0	ND	105	75-130	0.8	20	
Methyl tert-butyl ether	15.2	0.50	"	10.0	3.66	115	75-145	3	25	
Toluene	10.7	0.50	"	10.0	ND	107	80-125	2	25	
Xylenes (total)	33.5	0.50	"	30.0	ND	112	75-125	5	20	
<i>Surrogate: Dibromofluoromethane</i>	2.62		"	2.50		105	75-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.53		"	2.50		101	60-150			
<i>Surrogate: Toluene-d8</i>	2.57		"	2.50		103	75-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.60		"	2.50		104	55-130			

TestAmerica Morgan Hill

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

Stratus Environmental Inc. [Arco]
3330 Cameron Park Dr., Suite 550
Cameron Park CA, 95682

Project: BP Heritage #11133, Oakland, CA
Project Number: G07TT-0037
Project Manager: Jay Johnson

MRA0625
Reported:
01/31/08 13:10

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8A18039 - General Preparation / SM 2320B

Blank (8A18039-BLK1)				Prepared & Analyzed: 01/17/08						
Total Alkalinity	ND	5000	ug/l							
Laboratory Control Sample (8A18039-BS1)				Prepared & Analyzed: 01/17/08						
Total Alkalinity	101000	5000	ug/l	100000	146000	101	80-120			
Matrix Spike (8A18039-MS1)				Prepared & Analyzed: 01/17/08						
Total Alkalinity	241000	5000	ug/l	100000	146000	95	75-125			
Matrix Spike Dup (8A18039-MSD1)				Prepared & Analyzed: 01/17/08						
Total Alkalinity	237000	5000	ug/l	100000	146000	91	75-125	2	20	

Batch 8A18038 - General Preparation / SM 4500 S2B

Blank (8A18038-BLK1)				Prepared & Analyzed: 01/16/08						
Soluble Sulfide	ND	1000	ug/l							
Laboratory Control Sample (8A18038-BS1)				Prepared & Analyzed: 01/16/08						
Soluble Sulfide	8920	1000	ug/l	8470	ND	105	75-115			
Matrix Spike (8A18038-MS1)				Prepared & Analyzed: 01/16/08						
Soluble Sulfide	9520	1000	ug/l	8470	ND	112	75-115			
Matrix Spike Dup (8A18038-MSD1)				Prepared & Analyzed: 01/16/08						
Soluble Sulfide	8520	1000	ug/l	8470	ND	101	75-115	11	20	

Stratus Environmental Inc. [Arco] 3330 Cameron Park Dr., Suite 550 Cameron Park CA, 95682	Project: BP Heritage #11133, Oakland, CA Project Number: G07TT-0037 Project Manager: Jay Johnson	MRA0625 Reported: 01/31/08 13:10
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Ferrous Iron by Hach method 8146/1;10 Phenanthroline Method - Quality Control
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8A17025 - General Preparation / Hach Co. 8146

Blank (8A17025-BLK1)		Prepared & Analyzed: 01/16/08								
Ferrous Iron	ND	100	ug/l							
Laboratory Control Sample (8A17025-BS1)		Prepared & Analyzed: 01/16/08								
Ferrous Iron	385	100	ug/l	400		96	80-120			
Matrix Spike (8A17025-MS1)		Source: MRA0625-02		Prepared & Analyzed: 01/16/08						
Ferrous Iron	438	100	ug/l	400	20.0	104	75-125			
Matrix Spike Dup (8A17025-MSD1)		Source: MRA0625-02		Prepared & Analyzed: 01/16/08						
Ferrous Iron	434	100	ug/l	400	20.0	104	75-125	0.9	20	

Stratus Environmental Inc. [Arco]
3330 Cameron Park Dr., Suite 550
Cameron Park CA, 95682

Project: BP Heritage #11133, Oakland, CA
Project Number: G07TT-0037
Project Manager: Jay Johnson

MRA0625
Reported:
01/31/08 13:10

Anions by EPA Method 300.0 - Quality Control
TestAmerica Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 8A18009 - General Preparation / EPA 300.0

Blank (8A18009-BLK1)				Prepared & Analyzed: 01/17/08						
Sulfate as SO4	ND	500	ug/l							
Nitrate as NO3	ND	500	"							
Laboratory Control Sample (8A18009-BS1)				Prepared & Analyzed: 01/17/08						
Nitrate as NO3	9730	500	ug/l	10000		97	90-110			
Sulfate as SO4	9860	500	"	10000		99	90-110			
Matrix Spike (8A18009-MS1)				Prepared & Analyzed: 01/17/08						
Sulfate as SO4	10100	500	ug/l	10000	ND	101	80-120			
Nitrate as NO3	9880	500	"	10000	ND	99	80-120			
Matrix Spike Dup (8A18009-MSD1)				Prepared & Analyzed: 01/17/08						
Sulfate as SO4	10000	500	ug/l	10000	ND	100	80-120	0.02	20	
Nitrate as NO3	9960	500	"	10000	ND	100	80-120	0.8	20	

Stratus Environmental Inc. [Arco]
3330 Cameron Park Dr., Suite 550
Cameron Park CA, 95682

Project: BP Heritage #11133, Oakland, CA
Project Number: G07TT-0037
Project Manager: Jay Johnson

MRA0625
Reported:
01/31/08 13:10

Notes and Definitions

PV Hydrocarbon result partly due to individ. peak(s) in quant. range
EY Result exceeds normal dynamic range; reported as a min. est.
BV Sample received after holding time expired
BU Sample analyzed after holding time expired
BB Sample > 4x spike concentration
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

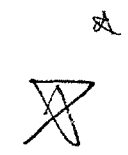


bp
A BP affiliated company

Chain of Custody Record

Project Name: ARCO 11133
 BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > I
 State or Lead Regulatory Agency: _____
 Requested Due Date (mm/dd/yy): _____

On-site Time: <u>9:30</u>	Temp: <u>45°</u>
Off-site Time: <u>16:00</u>	Temp: <u>5.5</u>
Sky Conditions: <u>Partly</u>	
Meteorological Events: <u>None</u>	
Wind Speed: <u>0</u>	Direction: <u>NA</u>



Lab Name: <u>TestAmerica</u>	BP/AR Facility No.: <u>11133</u>	Consultant/Contractor: <u>Stratus Environmental, Inc.</u>
Address: <u>885 Jarvis Drive</u>	BP/AR Facility Address: <u>2220 98th Avenue, Oakland</u>	Address: <u>3330 Cameron Park Drive, Suite 550</u>
<u>Morgan Hill, CA 95937</u>	Site Lat/Long: _____	<u>Cameron Park, CA 95682</u>
Lab PM: <u>Lisa Race</u>	California Global ID No.: <u>T0600100210</u>	Consultant/Contractor Project No.: _____
Tele/Fax: <u>408-782-8156 408-782-6308 (fax)</u>	Enfos Project No.: <u>G07TT-0037</u>	Consultant/Contractor PM: <u>Jay Johnson</u>
BP/AR PM Contact: <u>Paul Supple</u>	Provision or OOC (circle one) <u>Provision</u>	Tele/Fax: <u>(530) 676-6000 / (530) 676-6005</u>
Address: <u>2010 Crow Canyon Place, Suite 150</u>	Phase/WBS: <u>04-Monitoring</u>	Report Type & QC Level: <u>Level 1 with EDF</u>
<u>San Ramon, CA</u>	Sub Phase/Task: <u>03-Analytical</u>	E-mail EDD To: <u>shaves@stratusinc.net</u>
Tele/Fax: <u>925-275-3506</u>	Cost Element: <u>01-Contractor labor</u>	Invoice to: <u>Atlantic Richfield Co.</u>

Item No.	Sample Description	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis							Sample Point Lat/Long and Comments Oxy* = MTBE, TAME, ETBE, DIPE, TBA		
				Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	GRO/BTEX/Oxy*	1,2-DCA	Ethanol	EDB	Nitrate and Sulfate (EPA 300)	Ferrous Iron and Manganese (EPA 200.7)	Dissolved Sulfide (EPA 376.2)		Methane and Carbon Dioxide (RS Kerr 175)	Alkalinity (EPA 310.1)
1	MW-1	1510	1/15/08	X			01	3					X	X	X	X	X	X	X	X	X		
2	MW-3	1441		X			02	3					X	X	X	X	X	X	X	X	X		
3	AW-1	1315		X			03	3					X	X	X	X	X	X	X	X	X		
4	AW-2	1134		X			04	3					X	X	X	X	X	X	X	X	X		Labelled with acetone
5	AW-4	1108		X			05	3					X	X	X	X	X	X	X	X	X		sampled 15 min
6	AW-5	1238		X			06	3					X	X	X	X	X	X	X	X	X		
7	AW-6	1208		X			07	3					X	X	X	X	X	X	X	X	X		
8	RW-1	1417		X			08	3					X	X	X	X	X	X	X	X	X		none sample
9	VW-1			X				3					X	X	X	X	X	X	X	X	X		even if part
10	VEW-4	1347	1	X			09	3					X	X	X	X	X	X	X	X	X		hold time

Sampler's Name:	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
<u>Paul Hansen</u>	<u>Paul Hansen</u>	<u>1/15/08</u>	<u>1345</u>	<u>Paul Hansen</u>	<u>1/15</u>	<u>1735</u>
<u>Samplers Company: Santos Env.</u>	<u>Paul Hansen</u>	<u>1/16</u>	<u>1650</u>	<u>Paul Hansen</u>	<u>1/16</u>	<u>1100</u>
Shipment Date:	<u>Paul Hansen</u>	<u>1/16/08</u>		<u>Paul Hansen</u>	<u>1/16</u>	<u>2055</u>
Shipment Method:						
Shipment Tracking No:						

Special Instructions: Please cc results to rmiller@broadbentinc.com

Custody Seals In Place: Yes/No (No) | Temp Blank: Yes/No (Yes) | Cooler Temp on Receipt: 1.3 °F/C | Trip Blank: Yes/No (Yes) | MS/MSD Sample Submitted: Yes/No (No)

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: ADCO 11133
REC. BY (PRINT) D.V.
WORKORDER: MRA0625

DATE REC'D AT LAB: 1/16/08
TIME REC'D AT LAB: 2:00
DATE LOGGED IN: 1/17/08

For Regulatory Purposes?
 DRINKING WATER
 WASTE WATER
 OTHER

CIRCLE THE APPROPRIATE RESPONSE	LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s) Present / <u>Absent</u> Intact / Broken*	01	MW-1	250ml poly	MW3	2	W	1/15/08	
2. Chain-of-Custody Present / <u>Absent</u> *		↓	1 LA	—	7	↓	↓	
3. Traffic Reports or Packing List Present / <u>Absent</u>		↓	1 L poly	—	7	↓	↓	
4. Airbill: Airbill / Sticker Present / <u>Absent</u>	02	MW-3	Cl/oa	MCL	—	↓	↓	
5. Airbill #:	03	AW-1	3 voa	—	↓	↓	↓	
6. Sample Labels: Present / <u>Absent</u>	04	AW-2	same	same	same	↓	↓	
7. Sample IDs: <u>Listed</u> / Not Listed on Chain-of-Custody	05	AW-4	↓	↓	↓	↓	↓	
8. Sample Condition: <u>Intact</u> / Broken* / Leaking*	06	AW-5	↓	↓	↓	↓	↓	
9. Does information on chain-of-custody, traffic reports and sample labels agree? <u>Yes</u> / No*	07	AW-6	↓	↓	↓	↓	↓	
10. Sample received within hold time? <u>Yes</u> / No*	08	RW-1	↓	↓	↓	↓	↓	
11. Adequate sample volume received? <u>Yes</u> / No*	09	VEW-4	↓	↓	↓	↓	↓	
12. Proper preservatives used? <u>Yes</u> / No*	10	TB-11133011408	2 wa	HA	—	↓	↓	
13. Trip Blank / Temp Blank Received? (circle which, if yes) <u>Yes</u> / No*								
14. Read Temp: <u>2.8</u> Correction Factor: <u>-1.0</u> Corrected Temp: <u>1.8</u> Is corrected temp. 0-6°C? <u>Yes</u> / No**								

1/16/08
 DV

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

APPENDIX B

GEOTRACKER UPLOAD CONFIRMATION

Electronic Submittal Information

[Main Menu](#) | [View/Add Facilities](#) | [Upload EDD](#) | [Check EDD](#)

UPLOADING A GEO_WELL FILE

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

Submittal Title:	1Q08 GEO_WELL 11133
Facility Global ID:	T0600100210
Facility Name:	BP #11133
Submittal Date/Time:	3/5/2008 12:45:04 PM
Confirmation Number:	4494801402

[Back to Main Menu](#)

Logged in as BROADBENT-C
(CONTRACTOR)

CONTACT SITE [ADMINISTRATOR](#).

Electronic Submittal Information

[Main Menu](#) |
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 [Upload EDD](#) |
 [Check EDD](#)

BP #11133
 2220 98TH
 OAKLAND, CA 94603

Regional Board - Case #: 01-0224
 SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency (lead agency) - Case #: RO0000403
 ALAMEDA COUNTY LOP - (SP)

CONF #	TITLE	QUARTER
1323341906	1Q08 GW Monitoring	Q1 2008
SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	3/5/2008	PENDING REVIEW

SAMPLE DETECTIONS REPORT

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

METHOD QA/QC REPORT

METHODS USED	8260FAB,A2320B,A4500SB,E200.7,E300.0,E300A,H8146,RSK175
TESTED FOR REQUIRED ANALYTES?	Y
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	Y
- MATRIX SPIKE DUPLICATE	Y
- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	Y
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	Y

SOIL SAMPLES FOR 8021/8260 SERIES

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

FIELD QC SAMPLES

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