



Atlantic Richfield Company  
(a BP affiliated company)

P.O. Box 1257  
San Ramon, CA 94583  
Phone: (925) 275-3801  
Fax: (925) 275-3815

31 July 2007

Re: Second Quarter 2007 Ground-Water Monitoring Report  
Former BP Station # 11117  
7210 Bancroft Avenue  
Oakland, California  
ACEH Case # RO0000356

“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**

2:07 pm, Aug 01, 2007

Alameda County  
Environmental Health



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*

**Second Quarter 2007 Ground-Water Monitoring Report**  
Former BP Station #11117  
7210 Bancroft Avenue  
Oakland, California

31 July 2007

Project No. 06-08-649

31 July 2007

Project No. 06-08-649

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

Attn.: Mr. Paul Supple

Re: Second Quarter 2007 Ground-Water Monitoring Report  
Former BP Station #11117, 7210 Bancroft Avenue, Oakland, California  
ACEH Case # RO0000356

Dear Mr. Supple:

Attached is the *Second Quarter 2007 Ground-Water Monitoring Report* for Former BP Station #11117 (herein referred to as Station #11117) located at 7210 Bancroft Avenue, Oakland, Alameda County, California (Site). This report presents a summary of the Second Quarter 2007 ground-water monitoring results.

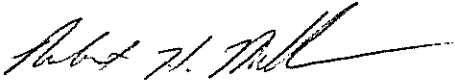
Should you have questions regarding the work performed or results obtained, please do not hesitate to contact us at (530) 566-1400.

Sincerely,

BROADBENT & ASSOCIATES, INC.



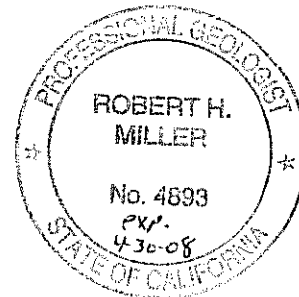
Thomas A. Venus, P.E.  
Senior Engineer



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

Enclosures

cc: Mr. Steven Plunkett, Alameda County Environmental Health (Submitted via ACEH ftp site)  
Ms. Shelby Lathrop, ConocoPhillips (submitted via WebXtender)  
Mr. Paul Bernard, One Eastmont Town Center, 7200 Bancroft Avenue, Oakland, CA 94605  
Electronic copy uploaded to GeoTracker



## STATION #11117 QUARTERLY GROUND-WATER MONITORING REPORT

Facility: #11117	Address:	7210 Bancroft Avenue, Oakland, California
Environmental Business Manager:		Mr. Paul Supple
Consulting Co./Contact Persons:		Broadbent & Associates, Inc.(BAI)/Rob Miller & Tom Venus (530) 566-1400
Consultant Project No.:		06-08-649
Primary Agency/Regulatory ID No.:		Alameda County Environmental Health (ACEH) ACEH Case #RO0000356
Facility Permits/Permitting Agency:		NA

### WORK PERFORMED THIS QUARTER (Second Quarter 2007):

1. Prepared and submitted First Quarter 2007 Ground-Water Monitoring Report.
2. Conducted ground-water monitoring/sampling for Second Quarter 2007. Work performed by Stratus Environmental, Inc. (Stratus) on 25 May 2007.
3. Conducted onsite soil and ground-water investigation. Work performed by Stratus on 26-27 April 2007.
4. Prepared and submitted Soil and Ground-Water Investigation Report on 15 June 2007.
5. Prepared and submitted Dual-Phase Extraction Remediation System Design/Request for Bid package on 29 June 2007.

### WORK PROPOSED FOR NEXT QUARTER (Third Quarter 2007):

1. Prepared and submitted Second Quarter 2007 Ground-Water Monitoring Report (contained herein).
2. Conduct Third Quarter 2007 ground-water monitoring/sampling.
3. Continue remediation system design and provide monthly email updates of progress.

### QUARTERLY RESULTS SUMMARY:

Current phase of project:	<b>Ground-Water Monitoring/Sampling</b>
Frequency of ground-water monitoring:	<b>Quarterly: MW-1, MW-2, MW-3, MW-4, MW-6, MW-7, MW-8, MW-9, MW-10, EX-1, EX-2</b>
Frequency of ground-water sampling:	<b>Quarterly: EX-1, EX-2, MW-2, MW-4, MW-7, MW-10 Semi-annually (1Q and 3Q): MW-9 Annually (1Q): MW-1, MW-3, MW-6, MW-8</b>
Is free product (FP) present on-site:	<b>Yes (Sheen in MW-2 and MW-4; 0.01 ft FP in EX-2?)</b>
FP recovered this quarter:	<b>None</b>
Depth to ground water (below TOC):	<b>15.59 ft (MW-1) to 18.15 ft (MW-10)</b>
General ground-water flow direction:	<b>North</b>
Approximate hydraulic gradient:	<b>0.005 ft/ft</b>

### DISCUSSION:

Second Quarter 2007 ground-water monitoring and sampling was conducted at Station #11117 on 25 May 2007 by Stratus. Water levels were gauged in the 11 wells at the Site. Sheen was observed in wells MW-2 and MW-4. Free product was observed in well EX-2 at a thickness of 0.01 ft (There is suspicion regarding this measurement). No other irregularities were noted during water level gauging. Depth to water measurements ranged from 15.59 ft at MW-1 to 18.15 ft at MW-10. Resulting ground-water surface elevations ranged from 34.77 feet above mean sea level in up-gradient well MW-8 to 33.77

feet at well MW-9. Water level elevations were between historic minimum and maximum ranges for each well, as summarized in Table 1. Water level elevations yielded a potentiometric ground-water flow direction and gradient to the north at approximately 0.005 ft/ft, consistent with historical data (see Table 3). 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. Potentiometric ground-water elevation contours are presented in Drawing 1. Current and historical ground-water flow directions and gradients are provided in Table 3.

Consistent with the current ground-water sampling schedule, water samples were collected from wells MW-2, MW-4, MW-7, MW-10, EX-1, and EX-2. Well EX-1 ran dry prior to purging three wetted casing volumes of water. No other 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-C12) by the LUFT GCMS method; Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX) by EPA Method 8260B; and Methyl tert-butyl ether (MTBE), Ethyl tert-butyl ether (ETBE), Ethanol, 1,2-Dichloroethane (1,2-DCA), 1,2-Dibromomethane (EDB), Di-isopropyl ether (DIPE), tert-Butyl alcohol (TBA), and tert-Amyl methyl ether (TAME) by EPA Method 8260B. The laboratory reported that the GRO concentrations observed in wells MW-7 and MW-10 were partly due to individual peak(s) in the quantitation range. No other analytical 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.

GRO were detected above the laboratory reporting limit in five of the six wells sampled at concentrations up to 62,000 micrograms per liter ( $\mu\text{g/L}$ ) in well MW-2. Benzene was detected above the laboratory reporting limit in three of the six wells sampled at concentrations up to 7,400  $\mu\text{g/L}$  in well MW-2. Toluene was detected above the laboratory reporting limit in three of the six wells sampled at concentrations up to 9,500  $\mu\text{g/L}$  in well MW-2. Ethylbenzene was detected above the laboratory reporting limit in three of the six wells sampled at concentrations up to 4,100  $\mu\text{g/L}$  in wells MW-2. Total Xylenes were detected above the laboratory reporting limit in three of the six wells sampled at concentrations up to 15,000  $\mu\text{g/L}$  in well MW-2. TAME was detected above the laboratory reporting limit in well MW-10 at a concentration of 0.69  $\mu\text{g/L}$ . MTBE was detected above the laboratory reporting limit in each of the six wells sampled at concentrations up to 3,500  $\mu\text{g/L}$  in well MW-4. The remaining fuel additives and oxygenates were not detected above their laboratory reporting limits in the wells sampled this quarter. Detected analyte concentrations were within the historic minimum and maximum ranges recorded for each well with the following exception: the detected MTBE concentration in well EX-1 reached a historic minimum value of 890  $\mu\text{g/L}$ .

Historic laboratory analytical results are summarized in Table 1 and Table 2. A copy of the Laboratory Analytical Report, including chain-of-custody documentation is provided in Appendix A. The most recent GRO, Benzene, and MTBE concentrations are also presented in Drawing 1. Drawing 2 presents a map showing approximate GRO iso-concentration contours. Drawing 3 presents a map showing approximate Benzene iso-concentration contours. Drawing 4 presents a map showing approximate MTBE iso-concentration contours. Second Quarter 2007 ground-water monitoring data (GEO\_WELL) and laboratory analytical results (EDF) were uploaded to the GeoTracker AB2886 Database. Upload confirmation pages have been provided in Appendix B.

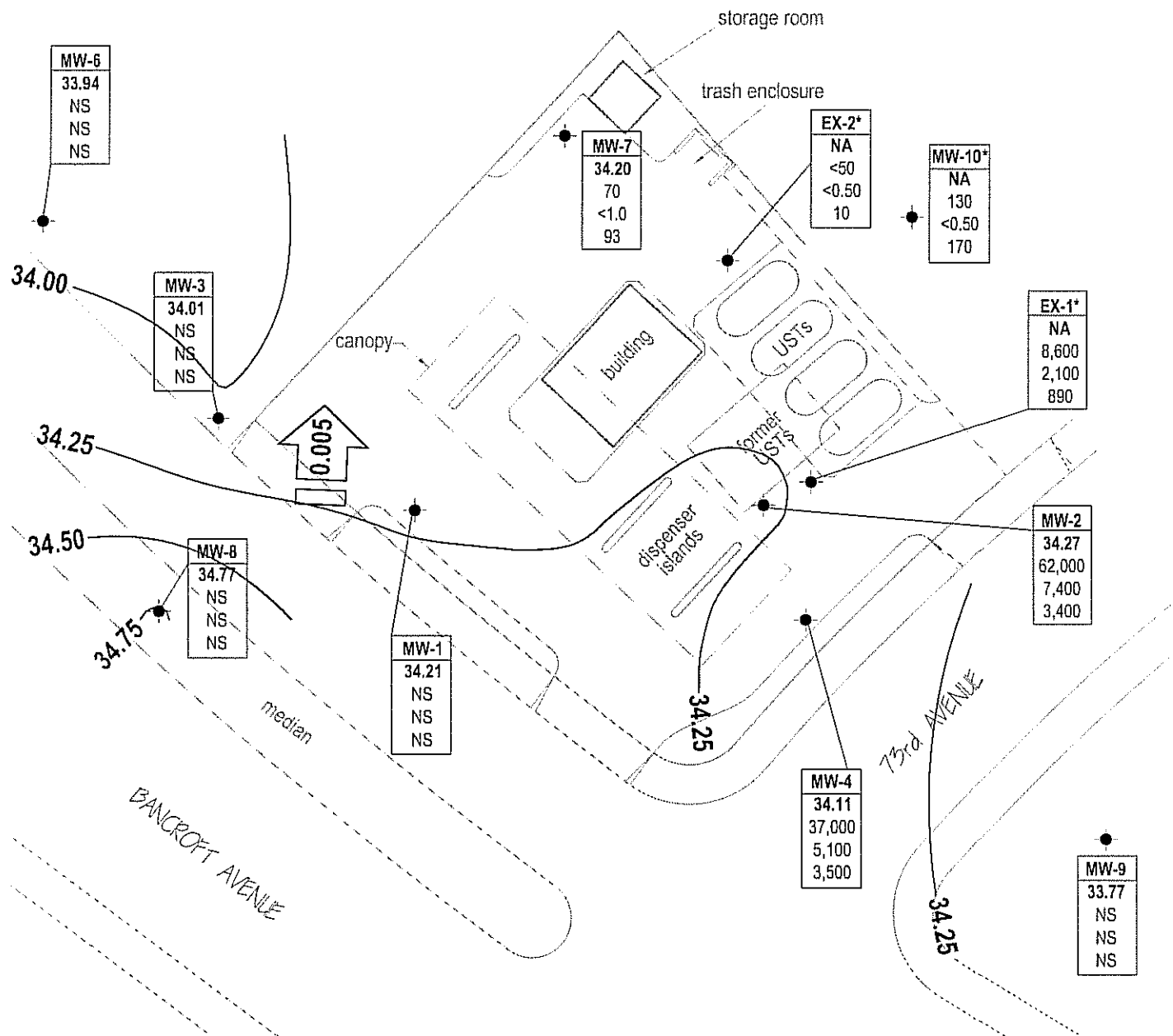
## **CLOSURE:**

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 Contours and Analytical Summary Map, 25 May 2007, Station #11117, 7210 Bancroft Avenue, Oakland, California
- Drawing 2. Gasoline Range Organics Iso-Concentration Contours Map, 25 May 2007, Station #11117, 7210 Bancroft Avenue, Oakland, California
- Drawing 3. Benzene Iso-Concentration Contours Map, 25 May 2007, Station #11117, 7210 Bancroft Avenue, Oakland, California
- Drawing 4. MTBE Iso-Concentration Contours Map, 25 May 2007, Station #11117, 7210 Bancroft Avenue, Oakland, California
- Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses, Station #11117, 7210 Bancroft Ave., Oakland, CA
- Table 2. Summary of Fuel Additives Analytical Data, Station #11117, 7210 Bancroft Ave., Oakland, CA
- Table 3. Historical Ground-Water Flow Direction and Gradient, Station #11117, 7210 Bancroft Ave., Oakland, CA
- Appendix A. Stratus Ground-Water Sampling Data Package (Includes Field Data Sheets and Laboratory Analytical Report with Chain-of-Custody Documentation)
- Appendix B. GeoTracker Upload Confirmation

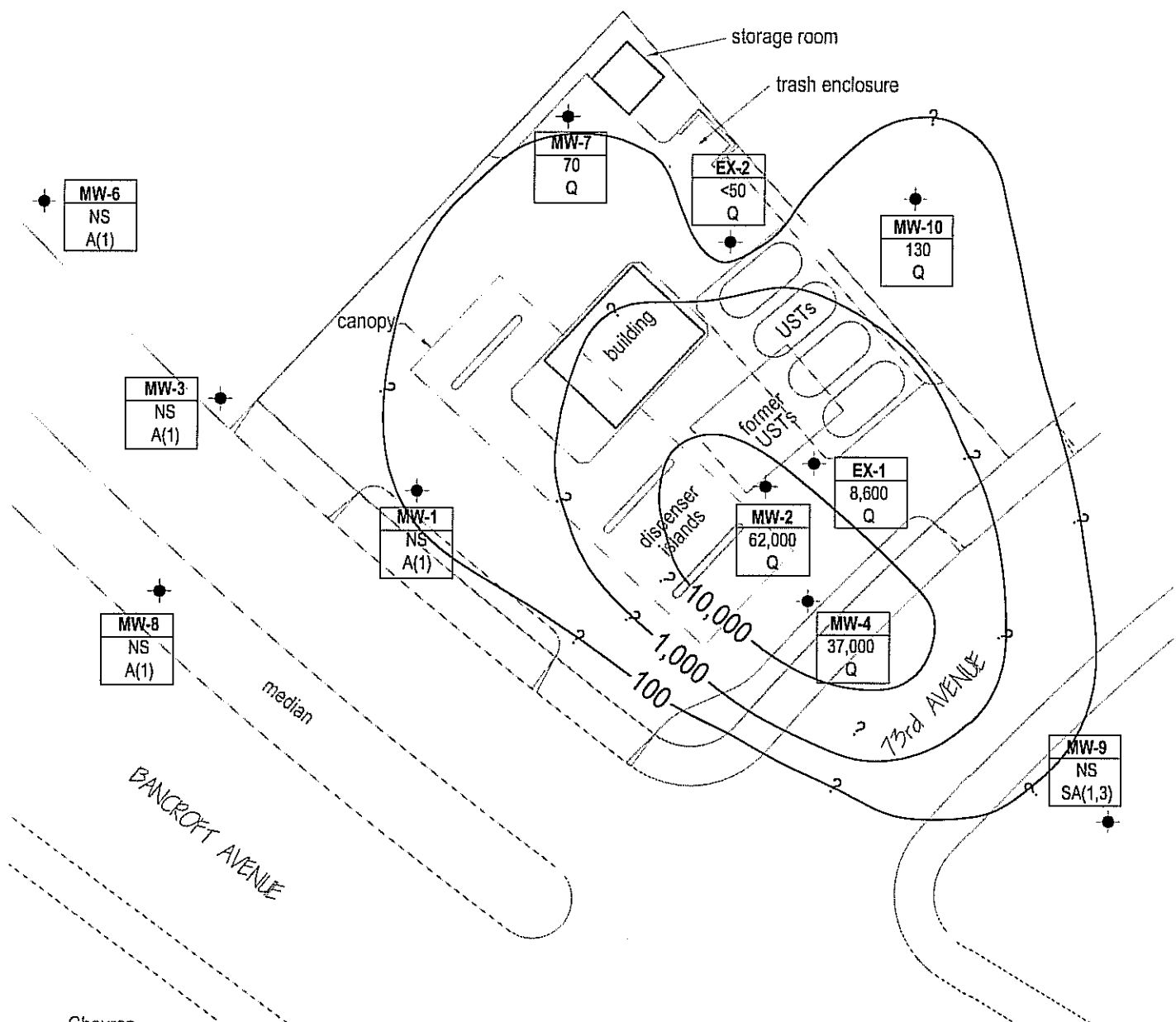


**LEGEND**

- Monitoring well location
- Well designation
- ELEV Well elevation (ft/MSL)
- GRO Ground-water elevation (ft/MSL)
- Benzene GRO, Benzene and MTBE concentrations in micrograms per liter (µg/L)
- MTBE
- ← 0.005 Ground-water flow gradient and direction (ft/ft)
- 34.00 Ground-water elevation contour (ft/MSL)
- < Not detected at or above laboratory reporting limit
- NM Not measured
- NS Not sampled
- NA Not available, well elevation not surveyed
- \* Elevation not used for contours

Chevron-branded site

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



**LEGEND**

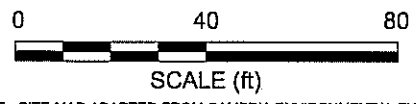
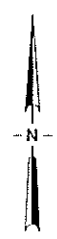
- Monitoring well location
- |        |
|--------|
| Well   |
| GRO    |
| A/Q/SA |

 Well designation
- |     |
|-----|
| GRO |
|-----|

 GRO concentrations in micrograms per liter (µg/L)
- |        |
|--------|
| A/Q/SA |
|--------|

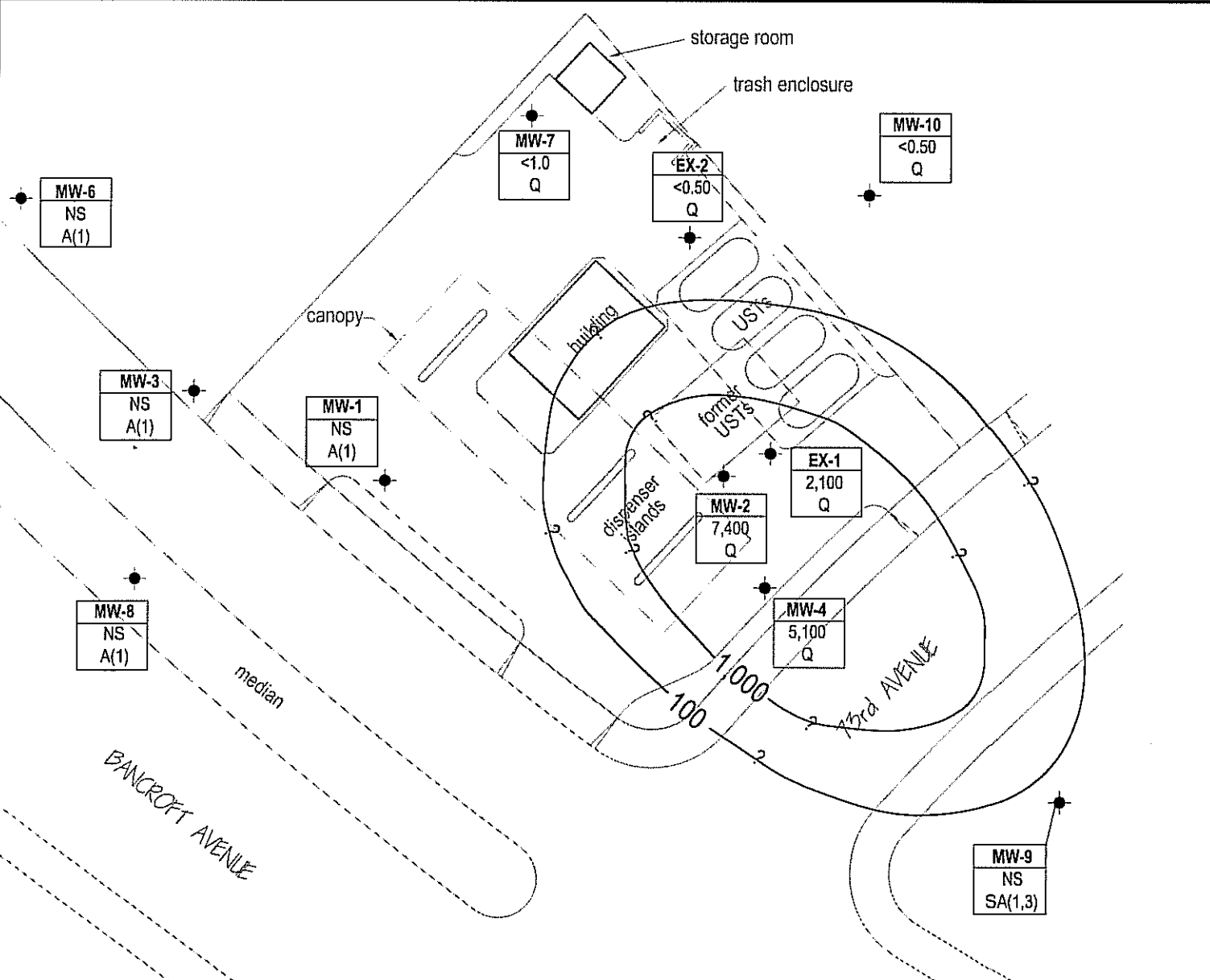
 Sampling frequency
- Approximate GRO iso-concentration contour in micrograms per liter (µg/L). Contour interval = logarithmic.
- Q Sampled quarterly
- SA(1,3) Sampled semi-annually, 1st and 3rd quarter
- A(1) Sampled annually, 1st quarter
- < Not detected at or above laboratory reporting limit
- NS Not sampled
- ? Contours within regions not bounded by monitoring points. All contours depicted are approximate.

Chevron-branded site



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



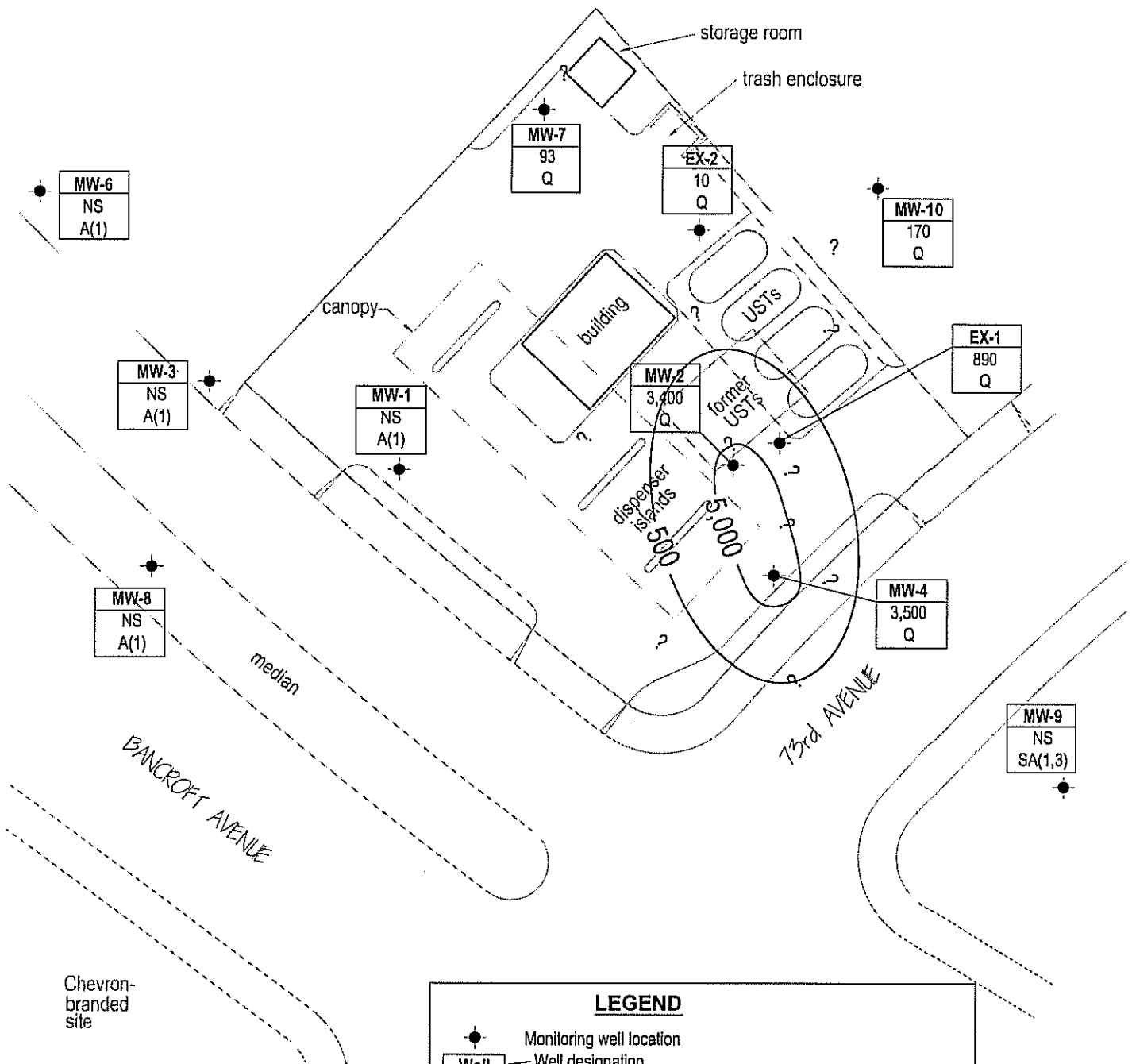


Chevron-branded site

**LEGEND**

- Monitoring well location
- Well designation
- Benzene concentrations in micrograms per liter ( $\mu\text{g/L}$ )
- A/Q/SA Sampling frequency
- 100 1,000 10,000 Approximate Benzene iso-concentration contour in micrograms per liter ( $\mu\text{g/L}$ ). Contour interval = logarithmic.
- Q Sampled quarterly
- SA(1,3) Sampled semi-annually, 1st and 3rd quarter
- A(1) Sampled annually, 1st quarter
- < Not detected at or above laboratory reporting limit
- NS Not sampled
- ? Contours within regions not bounded by monitoring points. All contours depicted are approximate.

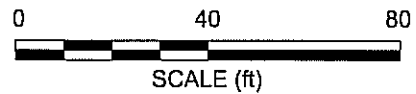
NOTE: SITE MAP ADAPTED FROM CAMBRIA ENVIRONMENTAL FIGURES. SITE DIMENSIONS AND FACILITY LOCATIONS NOT VERIFIED.



**LEGEND**

- Monitoring well location
- Well designation
- MTBE — MTBE concentrations in micrograms per liter (µg/L)
- A/Q/SA — Sampling frequency
- 5,000 — Approximate MTBE iso-concentration contour in micrograms per liter (µg/L). Contour interval = logarithmic.
- Q — Sampled quarterly
- SA(1,3) — Sampled semi-annually, 1st and 3rd quarter
- A(1) — Sampled annually, 1st quarter
- < — Not detected at or above laboratory reporting limit
- NS — Not sampled
- ? — Contours within regions not bounded by monitoring points. All contours depicted are approximate.

Chevron-branded site



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

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

Station #11117, 7210 Bancroft 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)						(mg/L) DO	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
<b>EX-1</b>															
05/04/2004	P	--	16.29	--	--	12,000	2,300	430	740	1,100	2,500	--	SEQM	6.8	h
08/31/2004	P	--	19.39	--	--	13,000	2,500	95	650	1,500	2,100	--	SEQM	6.7	h
11/23/2004	P	--	17.90	--	--	13,000	2,700	94	460	1,700	3,000	--	SEQM	6.9	
01/18/2005	P	--	14.20	--	--	16,000	2,100	390	570	2,500	2,200	--	SEQM	6.6	
06/29/2005	P	--	14.72	--	--	6,400	1,100	52	280	790	1,400	--	SEQM	7.2	
09/01/2005	P	--	17.22	--	--	7,900	2,000	94	400	870	2,000	--	SEQM	6.7	
11/03/2005	P	--	19.92	--	--	22,000	3,200	640	550	3,300	3,000	0.88	SEQM	6.8	
02/14/2006	P	--	15.40	--	--	3,500	<25	<25	<25	74	1,100	--	SEQM	6.8	
5/30/2006	P	--	13.43	--	--	8,600	1,400	120	490	1,300	1,400	--	SEQM	6.8	
8/29/2006	--	--	17.74	--	--	22,000	2,900	210	1,400	3,600	2,500	--	TAMC	6.9	
11/29/2006	P	--	20.25	--	--	15,000	4,000	110	770	2,700	2,700	0.61	TAMC	6.86	
2/20/2007	P	--	16.75	--	--	10,000	2,500	<50	550	1,300	920	1.15	TAMC	7.14	
5/25/2007	P	--	17.04	--	--	8,600	2,100	88	700	1,400	890	2.96	TAMC	6.95	
<b>EX-2</b>															
05/04/2004	P	--	16.65	--	--	<50	0.63	<0.50	<0.50	0.66	46	--	SEQM	6.7	h
08/31/2004	P	--	19.90	--	--	<250	<2.5	<2.5	<2.5	<2.5	130	--	SEQM	6.9	h
11/23/2004	P	--	18.36	--	--	<50	0.74	<0.50	0.83	3.0	5.8	--	SEQM	6.6	
01/18/2005	P	--	14.67	--	--	<50	<0.50	<0.50	<0.50	0.69	6.5	--	SEQM	6.5	
06/29/2005	P	--	14.60	--	--	<50	<0.50	<0.50	<0.50	0.50	24	--	SEQM	6.8	s
09/01/2005	P	--	17.28	--	--	<50	<0.50	1.4	<0.50	1.4	55	--	SEQM	7.0	
11/03/2005	P	--	20.42	--	--	<50	0.50	<0.50	<0.50	1.4	39	0.77	SEQM	6.9	
02/14/2006	P	--	14.54	--	--	220	<0.50	3.2	7.5	33	0.72	--	SEQM	7.0	
5/30/2006	P	--	13.35	--	--	<50	<0.50	<0.50	<0.50	0.70	7.8	--	SEQM	6.9	
8/29/2006	--	--	17.92	--	--	66	0.67	<0.50	0.79	1.9	94	--	TAMC	6.9	
11/29/2006	P	--	20.63	--	--	<50	<0.50	<0.50	<0.50	<0.50	4.4	--	TAMC	7.73	
2/20/2007	P	--	17.58	--	--	<50	<0.50	<0.50	<0.50	2.0	12	1.41	TAMC	7.77	
5/25/2007	P	--	17.23	0.01	--	<50	<0.50	<0.50	<0.50	<0.50	10	2.99	TAMC	7.30	
<b>MW-1</b>															
1/5/1992	--	49.80	33.16	--	16.64	57,000	2,400	1,000	1,100	3,100	--	--	--	--	

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

Station #11117, 7210 Bancroft 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)						(mg/L) DO	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-1 Cont.															
1/10/1992	--	49.80	33.16	--	16.64	--	--	--	--	--	--	--	--	--	--
6/5/1992	--	49.80	29.01	--	20.79	31,000	2,800	2,100	800	2,300	--	--	--	--	--
7/24/1992	--	49.80	29.45	--	20.35	--	--	--	--	--	--	--	--	--	--
7/27/1992	--	49.80	29.45	--	20.35	--	--	--	--	--	--	--	--	--	--
9/15/1992	--	--	--	--	--	36,000	3,800	3,400	1,400	3,800	--	--	ANA	--	d
9/15/1992	--	49.80	30.53	--	19.27	40,000	3,400	3,000	1,300	3,400	--	--	ANA	--	c
12/15/1992	--	49.80	31.26	--	18.54	27,000	1,700	580	700	1,900	--	--	ANA	--	c
12/15/1992	--	--	--	--	--	22,000	1,500	440	510	1,300	--	--	ANA	--	d
3/15/1993	--	49.80	24.80	--	25.00	17,000	1,700	1,200	590	1,800	--	--	PACE	--	l
3/15/1993	--	--	--	--	--	15,000	1,100	860	440	1,400	--	--	PACE	--	d, l
6/7/1993	--	--	--	--	--	720	0.7	0.7	<0.5	<0.5	--	--	PACE	--	d, l
6/7/1993	--	49.80	25.01	--	24.79	750	0.8	0.8	<0.5	<0.5	--	--	PACE	--	l
9/23/1993	--	49.80	28.70	--	21.10	40,000	4,000	500	920	3,000	6,619	--	PACE	--	e, l
12/27/1993	--	--	--	--	--	21,000	1,700	380	830	2,400	9,219	--	PACE	--	e, l, d
12/27/1993	--	49.80	28.66	--	21.14	27,000	2,000	400	940	2,600	13,558	--	PACE	--	e, l
4/5/1994	--	--	--	--	--	29,000	3,700	1,000	1,000	3,100	9,672	1.3	PACE	--	e, l, d
4/5/1994	--	49.80	26.37	--	23.43	27,000	3,400	930	950	2,900	8,595	--	PACE	--	e, l
7/22/1994	--	49.80	26.54	--	23.26	1,700	220	2.3	2	3.4	262	2.0	PACE	--	e, l
10/13/1994	--	49.80	27.46	--	22.34	1,200	250	21	<0.5	3.2	321	2.6	PACE	--	e, l
1/25/1995	--	49.80	20.96	--	28.84	1,000	420	8	13	4	--	--	ATI	--	
4/19/1995	--	49.80	19.39	--	30.21	5,200	420	51	230	340	--	6.0	ATI	--	
7/5/1995	--	49.80	19.61	--	30.19	320	4.2	<0.50	<0.50	<1.0	--	4.6	ATI	--	
10/5/1995	--	49.80	24.40	--	25.40	5,800	1,000	40	31	180	7,800	2.3	ATI	--	
1/12/1996	--	49.80	25.44	--	24.36	370	<0.50	<0.50	<0.50	<1.0	<5.0	3.7	ATI	--	
4/22/1996	--	49.80	18.02	--	31.78	<50	<0.5	<1	<1	<1	<10	3.9	SPL	--	
7/2/1996	--	49.80	19.72	--	30.08	--	--	--	--	--	--	--	--	--	
7/3/1996	--	49.80	--	--	--	<250	<2.5	<5	<5	<5	<50	3.6	SPL	--	
11/8/1996	--	49.80	19.98	--	29.82	<50	<0.5	<1.0	<1.0	<1.0	<10	4.3	SPL	--	
1/3/1997	--	49.80	19.49	--	30.31	<50	<0.5	14	<1.0	<1.0	<10	4.6	SPL	--	
4/28/1997	--	49.80	20.20	--	29.60	<50	<0.5	<1.0	<1.0	<1.0	<10	3.9	SPL	--	
7/1/1997	--	49.80	22.53	--	27.27	<50	<0.5	<1.0	<1.0	<1.0	<10	3.9	SPL	--	

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

Station #11117, 7210 Bancroft Ave., Oakland, CA

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						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-1 Cont.															
10/2/1997	-	49.80	24.27	--	25.53	<50	<0.5	<1.0	<1.0	<1.0	<10	4.6	SPL	--	
1/9/1998	--	49.80	21.07	--	28.73	<50	<0.5	<1.0	<1.0	<1.0	<10	4.2	SPL	--	
5/6/1998	-	49.80	14.94	--	34.86	60	<0.5	<1.0	<1.0	<1.0	<10	3.8	SPL	--	
7/21/1998	--	49.80	15.11	--	34.69	70	<0.5	<1.0	<1.0	<1.0	<10	3.8	SPL	--	
12/30/1998	-	49.80	19.95	--	29.85	--	--	--	--	--	--	--	--	--	
2/2/1999	-	49.80	19.12	--	30.68	420	<1.0	<1.0	<1.0	<1.0	390	--	SPL	--	
5/10/1999	-	49.80	15.51	--	34.29	--	--	--	--	--	--	--	--	--	
9/23/1999	--	49.80	21.65	--	28.15	440	49	<1.0	<1.0	<1.0	910	--	SPL	--	
12/23/1999	-	49.80	22.52	--	27.48	--	--	--	--	--	--	--	--	--	
3/27/2000	--	49.80	15.72	--	34.08	2,500	230	3	83	36	4,400	--	PACE	--	
5/22/2000	-	49.80	16.92	--	32.88	--	--	--	--	--	--	--	--	--	
8/31/2000	-	49.80	20.12	--	29.68	1,700	18	5.5	7.9	5	510	--	PACE	--	
12/1/2000	-	49.80	20.72	--	29.08	--	--	--	--	--	--	--	--	--	
3/20/2001	--	49.80	15.91	--	33.89	880	38.2	<0.5	24.1	<1.5	391	--	PACE	--	
6/19/2001	-	49.80	18.38	--	31.42	--	--	--	--	--	--	--	--	--	
9/20/2001	--	49.80	21.23	--	28.57	3,200	400	19.8	42	32.5	2,510	--	PACE	--	
12/27/2001	-	49.80	16.72	--	33.08	750	70.1	0.536	4.74	3.76	649	--	PAGE	--	
2/28/2002	-	49.80	15.25	--	34.55	<50	<0.5	<0.5	<0.5	<1.0	8.7	--	PACE	--	
6/28/2002	-	49.80	16.57	--	33.23	110	0.977	<0.5	0.818	<1.0	8.35	--	PAGE	--	
9/12/2002	-	49.80	18.41	--	31.39	98	2.7	1.5	1.5	5.4	48	--	SEQ	6.9	
12/12/2002	-	49.80	20.26	--	29.54	210	1.9	<0.50	<0.50	<0.50	32	--	SEQ	6.8	
3/10/2003	--	49.80	16.22	--	33.58	<50	<0.50	<0.50	<0.50	<0.50	3.2	--	SEQ	6.9	
5/12/2003	-	49.80	14.30	--	35.50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	SEQ	7.1	
8/27/2003	-	49.80	18.15	--	31.65	<50	<0.50	<0.50	<0.50	<0.50	4.2	--	SEQ	7.1	n
11/10/2003	P	49.80	19.24	--	30.56	<50	<0.50	<0.50	<0.50	<0.50	0.51	--	SEQM	6.8	
02/03/2004	P	49.80	14.84	--	34.96	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.0	
05/04/2004	P	49.80	14.67	--	35.13	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.1	
08/31/2004	P	49.80	17.75	--	32.05	<50	<0.50	<0.50	<0.50	<0.50	0.50	--	SEQM	7.1	
11/23/2004	--	49.80	16.03	--	33.77	--	--	--	--	--	--	--	--	--	
01/18/2005	P	49.80	12.47	--	37.33	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.9	
06/29/2005	-	49.80	12.65	--	37.15	--	--	--	--	--	--	--	--	--	



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

Station #11117, 7210 Bancroft 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)						(mg/L) DO	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-1 Cont.															
09/01/2005	--	49.80	15.79	--	34.01	--	--	--	--	--	--	--	--	--	--
11/03/2005	--	49.80	18.55	--	31.25	--	--	--	--	--	--	--	--	--	--
02/14/2006	P	49.80	12.09	--	37.51	51	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.0	w
5/30/2006	--	49.80	12.15	--	37.65	--	--	--	--	--	--	--	--	--	--
8/29/2006	--	49.80	16.37	--	33.43	--	--	--	--	--	--	--	--	--	--
11/29/2006	--	49.80	18.73	--	31.07	--	--	--	--	--	--	--	--	--	--
2/20/2007	P	49.80	14.71	--	35.09	110	<0.50	<0.50	0.58	<0.50	<0.50	3.52	TAMC	7.51	
5/25/2007	--	49.80	15.59	--	34.21	--	--	--	--	--	--	--	--	--	--
MW-2															
1/5/1992	--	51.07	--	--	--	--	--	--	--	--	--	--	--	--	r
1/10/1992	--	51.07	--	--	--	--	--	--	--	--	--	--	--	--	r
6/5/1992	--	51.07	30.05	--	21.02	11,000	2,000	180	490	1,900	--	--	--	--	
7/24/1992	--	51.07	30.72	--	20.35	--	--	--	--	--	--	--	--	--	
7/27/1992	--	51.07	30.52	--	20.55	--	--	--	--	--	--	--	--	--	
9/15/1992	--	51.07	31.56	--	19.51	75,000	2,000	6,500	2,300	13,000	--	--	ANA	--	c
12/15/1992	--	51.07	32.40	--	18.67	34,000	6,200	8,900	2,000	7,900	--	--	ANA	--	c
3/15/1993	--	51.07	26.14	--	24.93	150,000	12,000	18,000	3,200	22,000	82,000	--	PACE	--	e
6/7/1993	--	51.07	26.38	--	24.69	--	--	--	--	--	--	--	--	--	f
9/23/1993	--	51.07	31.43	1.92	17.72	--	--	--	--	--	--	--	--	--	f
12/27/1993	--	51.07	34.07	1.07	15.93	--	--	--	--	--	--	--	--	--	f
4/5/1994	--	51.07	30.44	3.30	17.33	--	--	--	--	--	--	--	--	--	f
7/22/1994	--	51.07	28.51	0.80	21.76	--	--	--	--	--	--	--	--	--	f
10/13/1994	--	51.07	29.33	0.70	21.04	--	--	--	--	--	--	--	--	--	f
1/25/1995	--	51.07	25.55	4.25	21.27	--	--	--	--	--	--	--	--	--	f
4/19/1995	--	51.07	19.78	0.12	31.17	--	--	--	--	--	--	--	--	--	f
7/5/1995	--	51.07	20.88	0.09	30.10	140,000	14,000	30,000	3,500	26,000	--	--	ATI	--	
10/5/1995	--	51.07	24.68	0.10	26.29	--	--	--	--	--	--	--	--	--	f
1/12/1996	--	51.07	25.72	0.06	25.29	--	--	--	--	--	--	--	--	--	f
4/22/1996	--	51.07	19.33	0.08	31.66	--	--	--	--	--	--	--	--	--	f
7/2/1996	--	51.07	20.01	0.04	31.02	--	--	--	--	--	--	--	--	--	f

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

Station #11117, 7210 Bancroft 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)						(mg/L) DO	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-2 Cont.															
1/8/1996	--	51.07	20.28	0.01	30.78	--	--	--	--	--	--	--	--	--	f
1/3/1997	--	51.07	19.87	0.02	31.18	--	--	--	--	--	--	--	--	--	f
4/28/1997	--	51.07	20.59	0.01	30.47	560,000	1,200	1,300	290	2,310	6,100	3.9	SPL	--	
7/1/1997	--	--	--	--	--	150,000	14,000	13,000	1,800	14,200	57,000	--	SPL	--	d
7/1/1997	--	51.07	22.90	0.01	28.16	24,000	15,000	16,000	4,900	24,400	63,000	3.7	SPL	--	
10/2/1997	--	51.07	24.65	0.02	26.40	--	--	--	--	--	--	--	--	--	
10/3/1997	--	51.07	--	--	--	250,000	32,000	39,000	6,000	42,000	160,000	4.5	SPL	--	
1/9/1998	--	--	--	--	--	300,000	20,000	25,000	5,200	37,000	84,000	--	SPL	--	d
1/9/1998	--	51.07	21.22	0.01	29.84	420,000	23,000	29,000	5,800	43,000	75,000	4.0	SPL	--	
2/2/1998	--	51.07	20.11	--	30.96	410,000	27,000	43,000	6,700	50,000	20,000	--	SPL	--	
5/6/1998	--	51.07	15.10	0.01	35.96	180,000	25,000	26,000	3,400	22,900	35,000	3.7	SPL	--	
7/21/1998	--	51.07	15.31	0.01	35.75	270,000	21,000	20,000	2,700	18,800	34,000	3.8	SPL	--	
12/30/1998	--	51.07	21.10	0.10	29.87	300,000	22,000	24,000	4,200	26,000	89,000/95,000	--	SPL	--	j
5/10/1999	--	51.07	16.68	--	34.39	220,000	20,000	20,000	2,800	20,000	100,000	--	SPL	--	
9/23/1999	--	51.07	22.50	--	28.57	160,000	21,000	24,000	2,900	20,000	44,000	--	SPL	--	
12/23/1999	--	51.07	22.64	--	28.43	170,000	25,000	41,000	3,100	24,000	40,000	--	PACE	--	k
3/27/2000	--	51.07	16.88	--	34.19	140,000	15,000	25,000	3,400	21,000	19,000	--	PACE	--	
5/22/2000	--	51.07	17.75	--	33.32	150,000	18,000	31,000	3,500	22,000	26,000	--	PACE	--	
8/31/2000	--	51.07	21.97	--	29.10	200,000	16,000	26,000	2,500	16,000	38,000	--	PACE	--	
12/11/2000	--	51.07	22.05	--	29.02	130,000	18,600	30,000	3,250	20,600	21,700	--	PACE	--	
3/20/2001	--	51.07	17.75	--	33.32	140,000	15,900	24,800	3,700	22,100	12,900	--	PACE	--	
6/19/2001	--	51.07	20.15	--	30.92	130,000	15,100	19,500	3,300	21,400	20,300	--	PACE	--	
9/20/2001	--	51.07	22.14	--	28.93	110,000	12,400	12,600	2,230	13,000	39,500	--	PACE	--	
12/27/2001	--	51.07	18.17	--	32.90	150,000	17,500	26,000	3,050	19,500	27,500	--	PACE	--	
2/28/2002	--	51.07	17.42	--	33.65	120,000	13,900	18,800	3,030	19,600	17,300	--	PACE	--	
6/28/2002	--	51.07	17.04	--	34.03	3,700	190	23.3	139	287	826	--	PACE	--	u
9/12/2002	--	51.07	19.52	--	31.55	100,000	13,000	22,000	3,600	20,000	18,000	--	SEQ	6.6	
12/12/2002	--	51.07	21.08	--	29.99	120,000	13,000	21,000	4,400	25,000	16,000	--	SEQ	6.6	
3/10/2003	--	51.07	17.84	--	33.23	100,000	17,000	21,000	3,400	20,000	4,400	--	SEQ	6.8	
5/12/2003	--	51.07	16.66	--	34.41	150,000	16,000	24,000	3,500	22,000	3,600	--	SEQ	7.1	
8/27/2003	--	51.07	19.65	--	31.42	120,000	14,000	12,000	3,900	20,000	5,100	--	SEQ	6.9	n

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						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
<b>MW-2 Cont.</b>															
1/10/2003	P	51.07	20.80	--	30.27	97,000	12,000	9,500	3,600	15,000	4,200	--	SEQM	6.7	
02/03/2004	P	51.07	16.82	--	34.25	130,000	14,000	19,000	3,400	20,000	1,900	--	SEQM	6.8	
05/04/2004	P	51.07	16.19	--	34.88	120,000	12,000	16,000	3,700	22,000	2,500	--	SEQM	6.7	
08/31/2004	P	51.07	19.50	--	31.57	99,000	10,000	13,000	3,700	18,000	3,400	--	SEQM	6.8	
11/23/2004	P	51.07	18.20	--	32.87	110,000	8,200	17,000	4,000	23,000	2,400	--	SEQM	6.7	s
01/18/2005	P	51.07	14.91	--	36.16	96,000	6,500	14,000	3,500	21,000	3,700	--	SEQM	6.6	
06/29/2005	P	51.07	13.98	--	37.09	54,000	6,200	4,900	3,300	12,000	3,600	--	SEQM	7.3	
09/01/2005	P	51.07	17.00	--	34.07	58,000	6,300	6,000	3,300	15,000	5,100	--	SEQM	7.0	
11/03/2005	P	51.07	20.25	--	30.82	63,000	7,400	3,700	3,300	10,000	3,700	0.66	SEQM	6.7	
02/14/2006	P	51.07	13.72	--	37.35	97,000	7,500	11,000	4,300	16,000	3,400	--	SEQM	6.9	
5/30/2006	P	51.07	13.50	--	37.57	28,000	5,200	2,500	1,500	3,300	2,300	--	SEQM	6.7	
8/29/2006	--	51.07	18.16	--	32.91	65,000	7,200	4,500	3,200	11,000	13,000	--	TAMC	6.7	
11/29/2006	P	51.07	20.06	--	31.01	46,000	8,500	4,600	3,300	10,000	11,000	0.56	TAMC	6.91	
2/20/2007	P	51.07	16.43	--	34.64	78,000	9,700	12,000	4,100	16,000	10,000	1.08	TAMC	7.11	
5/25/2007	P	51.07	16.80	SHEEN	34.27	62,000	7,400	9,500	4,100	15,000	3,400	0.10	TAMC	6.83	
<b>MW-3</b>															
1/5/1992	--	49.95	33.69	--	16.26	7,400	790	23	210	40	--	--	--	--	
1/10/1992	--	49.95	33.74	--	16.21	--	--	--	--	--	--	--	--	--	
6/5/1992	--	49.95	29.65	--	20.50	2,000	130	53	93	20	--	--	--	--	
7/24/1992	--	49.95	30.14	--	19.81	--	--	--	--	--	--	--	--	--	
7/27/1992	--	49.95	30.14	--	19.81	--	--	--	--	--	--	--	--	--	
9/15/1992	--	49.95	31.07	--	18.88	450	55	3.1	34	7.1	--	--	ANA	--	
12/15/1992	--	49.95	31.93	--	18.02	12,000	940	<50	310	120	--	--	ANA	--	c
3/15/1993	--	49.95	25.71	--	24.24	<50	<0.5	<0.5	<0.5	<0.5	--	--	PAGE	--	l
6/7/1993	--	49.95	25.80	--	24.15	150	3.6	<0.5	0.9	1.3	--	--	PAGE	--	l
9/23/1993	--	49.95	29.18	--	20.77	--	--	--	--	--	--	--	--	--	
9/24/1993	--	49.95	--	--	--	160	8.4	<0.5	3.7	1.3	153	--	PAGE	--	l
12/27/1993	--	49.95	29.25	--	20.70	9,400	1,100	48	530	120	2,871	--	PAGE	--	c,l
4/5/1994	--	49.95	26.84	--	23.11	7,000	860	19	330	52	10,414	2.0	PAGE	--	l
7/22/1994	--	49.95	26.90	--	23.05	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.1	PAGE	--	l



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						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-3 Cont.															
10/13/1994	--	49.95	27.83	--	22.12	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.6	PAGE	--	t
1/25/1995	--	49.95	21.65	--	28.30	<50	<0.5	<0.5	<0.5	<1	--	--	ATI	--	
4/19/1995	--	49.95	19.33	--	30.62	2,400	170	8	130	27	--	5.0	ATI	--	
7/5/1995	--	49.95	20.27	--	29.68	<50	<0.50	<0.50	<0.50	<1.0	--	4.4	ATI	--	
10/5/1995	--	49.95	23.73	--	26.22	2,300	210	3.1	10	5.1	2,400	4.2	ATI	--	
1/12/1996	--	49.95	24.84	--	25.11	<50	<0.50	<0.50	<0.50	<1.0	<5.0	4.1	ATI	--	
4/22/1996	--	49.95	18.60	--	31.35	<50	<0.5	<1	<1	<1	<10	4.4	SPL	--	
7/2/1996	--	49.95	18.88	--	31.07	<50	<0.5	<1	<1	<1	<10	4.2	SPL	--	
1/18/1996	--	49.95	19.14	--	30.81	<50	<0.5	<1.0	<1.0	<1.0	<10	4.4	SPL	--	
1/3/1997	--	49.95	18.72	--	31.23	<50	<0.5	<1.0	<1.0	<1.0	<10	4.6	SPL	--	
4/28/1997	--	49.95	19.38	--	30.57	<50	<0.5	<1.0	<1.0	<1.0	<10	4.2	SPL	--	
7/1/1997	--	49.95	21.65	--	28.30	<50	<0.5	<1.0	<1.0	<1.0	<10	3.8	SPL	--	
10/2/1997	--	49.95	23.45	--	26.50	<50	<0.5	<1.0	<1.0	<1.0	<10	4.5	SPL	--	
1/9/1998	--	49.95	20.10	--	29.85	<50	<0.5	<1.0	<1.0	<1.0	<10	4.1	SPL	--	
5/6/1998	--	49.95	15.57	--	34.38	<50	<0.5	<1.0	<1.0	<1.0	<10	3.8	SPL	--	
7/21/1998	--	--	--	--	--	60	<0.5	<1.0	<1.0	<1.0	<10	--	SPL	--	d
7/21/1998	--	49.95	15.88	--	34.07	51	<0.5	<1.0	<1.0	<1.0	<10	3.8	SPL	--	
12/30/1998	--	49.95	20.30	--	29.65	--	--	--	--	--	--	--	SPL	--	
2/2/1999	--	49.95	19.75	--	30.20	<50	<1.0	<1.0	<1.0	<1.0	<10	--	SPL	--	
5/10/1999	--	49.95	16.17	--	33.78	--	--	--	--	--	--	--	--	--	
9/23/1999	--	49.95	22.05	--	27.90	--	--	--	--	--	--	--	--	--	
12/23/1999	--	49.95	22.55	--	27.40	--	--	--	--	--	--	--	--	--	
3/27/2000	--	49.95	16.40	--	33.55	350	22	<0.5	<0.5	<0.5	580	--	PAGE	--	
5/22/2000	--	49.95	9.49	--	40.46	--	--	--	--	--	--	--	--	--	t
8/31/2000	--	49.95	13.02	--	36.93	--	--	--	--	--	--	--	--	--	t
12/11/2000	--	49.95	13.30	--	36.65	--	--	--	--	--	--	--	--	--	t
3/20/2001	--	49.95	16.49	--	33.46	1,000	66.4	0.597	6.96	<1.5	398	--	PAGE	--	
6/19/2001	--	49.95	18.82	--	31.13	--	--	--	--	--	--	--	--	--	
9/20/2001	--	49.95	21.59	--	28.36	230	<0.5	0.593	<0.5	<1.5	289	--	PAGE	--	
12/27/2001	--	49.95	17.37	--	32.58	--	--	--	--	--	--	--	--	--	
2/28/2002	--	49.95	15.81	--	34.14	<50	<0.5	<0.5	<0.5	<1.0	0.58	--	PAGE	--	

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

Station #11117, 7210 Bancroft 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)						(mg/L) DO	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-3 Cont.															
6/28/2002	--	49.95	17.09	--	32.86	--	--	--	--	--	--	--	--	--	
9/12/2002	--	49.95	18.80	--	31.15	52	3.3	8.6	1.7	12	11	--	SEQ	7.0	
12/12/2002	--	49.95	20.57	--	29.38	--	--	--	--	--	--	--	--	--	
3/10/2003	--	49.95	16.68	--	33.27	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	SEQ	7.0	
5/12/2003	--	49.95	14.72	--	35.23	--	--	--	--	--	--	--	--	--	
8/27/2003	--	49.95	18.50	--	31.45	<50	<0.50	<0.50	<0.50	0.5	<0.50	--	--	7.1	n
11/10/2003	--	49.95	19.66	--	30.29	--	--	--	--	--	--	--	--	--	
02/03/2004	P	49.95	15.33	--	34.62	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.0	
08/31/2004	P	49.95	18.13	--	31.82	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.1	
11/23/2004	--	49.95	16.48	--	33.47	--	--	--	--	--	--	--	--	--	
01/18/2005	P	49.95	13.06	--	36.89	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.9	
06/29/2005	--	49.95	13.00	--	36.95	--	--	--	--	--	--	--	--	--	
09/01/2005	--	49.95	16.00	--	33.95	--	--	--	--	--	--	--	--	--	
11/03/2005	--	49.95	18.91	--	31.04	--	--	--	--	--	--	--	--	--	
02/14/2006	P	49.95	12.90	--	37.05	86	<0.50	<0.50	<0.50	0.55	<0.50	--	SEQM	7.3	
5/30/2006	--	49.95	12.55	--	37.40	--	--	--	--	--	--	--	--	--	
8/29/2006	--	49.95	16.68	--	33.27	--	--	--	--	--	--	--	--	--	
11/29/2006	--	49.95	19.10	--	30.85	--	--	--	--	--	--	--	--	--	
2/20/2007	P	49.95	15.29	--	34.66	56	<0.50	<0.50	<0.50	<0.50	0.89	2.27	TAMC	7.59	
5/25/2007	--	49.95	15.94	--	34.01	--	--	--	--	--	--	--	--	--	
MW-4															
7/24/1992	--	50.76	30.02	--	20.74	42,000	3,200	3,600	1,400	4,100	--	--	--	--	
7/27/1992	--	50.76	30.02	--	20.74	--	--	--	--	--	--	--	--	--	
9/15/1992	--	50.76	31.14	--	19.62	55,000	7,600	13,000	2,800	9,500	--	--	ANA	--	c
12/15/1992	--	50.76	31.98	--	18.78	36,000	3,700	4,700	1,200	4,000	--	--	ANA	--	c
3/15/1993	--	50.76	25.34	--	25.42	69,000	7,600	15,000	2,500	11,000	--	--	PACE	--	l
6/7/1993	--	50.76	25.67	--	25.09	73,000	10,000	19,000	3,400	14,000	--	--	PACE	--	l
9/23/1993	--	50.76	29.37	--	21.39	--	--	--	--	--	--	--	--	--	
9/24/1993	--	50.76	--	--	--	68,000	11,000	2,100	8,600	990	390	--	PACE	--	l
9/24/1993	--	--	--	--	--	59,000	5,300	10,000	2,200	8,400	309	--	PACE	--	d

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Station #11117, 7210 Bancroft 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)						(mg/L) DO	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-4 Cont.															
12/27/1993	--	50.76	29.40	--	21.36	32,000	2,500	4,400	1,300	4,400	387	--	PACE	--	l
4/5/1994	--	50.76	27.09	--	23.67	64,000	6,500	14,000	1,900	9,600	413	1.4	PACE	--	l
7/22/1994	--	--	--	--	--	85,000	11,000	21,000	3,300	14,000	435	--	PAGE	--	d,l
7/22/1994	--	50.76	27.33	--	23.43	85,000	10,000	20,000	3,200	13,000	796	0.8	PACE	--	l
10/13/1994	--	--	--	--	--	51,000	7,400	13,000	2,100	9,100	773	--	PAGE	--	d,l
10/13/1994	--	50.76	28.25	--	22.51	51,000	7,100	13,000	2,100	8,900	506	2.9	PAGE	--	c,l
1/25/1995	--	--	--	--	--	28,000	4,200	12,000	1,500	7,800	--	--	ATI	--	d,l
1/25/1995	--	50.76	21.85	--	28.91	26,000	3,600	9,600	1,200	6,400	--	--	ATI	--	
4/19/1995	--	50.76	19.44	--	31.52	89,000	12,000	24,000	3,500	18,000	--	5.1	ATI	--	
4/19/1995	--	--	--	--	--	100,000	12,000	26,000	3,800	21,000	--	--	ATI	--	d
7/5/1995	--	50.76	20.52	--	30.24	130,000	13,000	29,000	3,300	25,000	--	4.3	ATI	--	
10/5/1995	--	50.76	24.23	--	26.53	110,000	10,000	23,000	3,600	17,000	34,000	2.1	ATI	--	
1/12/1996	--	50.76	25.34	--	25.42	46,000	3,500	8,300	1,100	8,000	3,000	3.3	ATI	--	
1/12/1996	--	--	--	--	--	40,000	3,500	9,000	1,200	8,700	4,300	--	ATI	--	d
4/22/1996	--	50.76	19.13	--	31.63	40,000	5,100	9,600	980	11,800	29,000	3.2	SPL	--	
4/22/1996	--	--	--	--	--	61,000	8,300	16,000	1,600	15,200	36,000	--	SPL	--	d
7/21/1996	--	--	--	--	--	78,000	9,800	21,000	1,900	15,300	42,000	--	SPL	--	d
7/21/1996	--	50.76	20.67	--	30.09	74,000	9,800	21,000	2,100	16,600	41,000	3.4	SPL	--	
11/8/1996	--	--	--	--	--	110,000	9,100	20,000	3,000	15,400	39,000	--	SPL	--	d
11/8/1996	--	50.76	20.95	--	29.81	100,000	7,900	16,000	2,500	13,700	37,000	3.7	SPL	--	
1/3/1997	--	50.76	20.54	--	30.22	99,000	17,000	30,000	4,300	22,700	79,000	4.2	SPL	--	
1/3/1997	--	--	--	--	--	66,000	12,000	19,000	2,900	15,000	69,000	--	SPL	--	d
4/28/1997	--	--	--	--	--	110,000	11,000	26,000	3,200	18,200	34,000	--	SPL	--	d
4/28/1997	--	50.76	21.28	--	29.48	130,000	12,000	28,000	3,800	21,000	37,000	3.9	SPL	--	
7/17/1997	--	50.76	23.61	--	27.15	110,000	16,000	25,000	4,900	24,400	37,000	3.6	SPL	--	
10/2/1997	--	50.76	25.39	--	25.37	--	--	--	--	--	--	--	--	--	
10/3/1997	--	--	--	--	--	71,000	8,600	8,700	2,900	13,500	84,000	--	SPL	--	d
10/3/1997	--	50.76	--	--	--	66,000	8,200	8,600	2,700	13,400	80,000	4.4	SPL	--	
1/9/1998	--	50.76	21.25	--	29.51	100,000	9,700	3,200	1,500	4,700	92,000	3.8	SPL	--	
5/6/1998	--	--	--	--	--	440,000	8,000	39,000	14,000	70,000	<5000	--	SPL	--	d
5/6/1998	--	50.76	15.96	--	34.80	430,000	6,900	31,000	11,000	56,000	<5000	3.9	SPL	--	

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Station #11117, 7210 Bancroft 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)						(mg/L) DO	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-4 Cont.															
7/21/1998	--	--	--	--	--	210,000	11,000	27,000	5,600	26,800	29,000	--	SPL	--	d
7/21/1998	--	50.76	16.10	--	34.66	250,000	11,000	26,000	5,500	26,900	29,000	3.7	SPL	--	
12/30/1998	--	50.76	20.91	--	29.85	370,000	11,000	22,000	8,500	40,000	90000/92000	--	SPL	--	j
2/2/1999	--	50.76	20.13	--	30.63	190,000	4,100	19,000	4,800	32,000	28,000	--	SPL	--	
5/10/1999	--	50.76	16.63	--	34.13	2,700	23	71	8.1	25	120	--	SPL	--	
9/23/1999	--	50.76	22.48	--	28.28	180,000	11,000	29,000	7,000	38,000	12,000	--	SPL	--	
12/23/1999	--	50.76	22.94	--	27.82	66,000	6,300	5,200	2,200	7,800	35,000	--	PACE	--	k
3/27/2000	--	50.76	16.84	--	33.92	120,000	8,700	12,000	3,800	16,000	27,000	--	PACE	--	
5/22/2000	--	50.76	17.85	--	32.91	110,000	7,600	16,000	4,400	20,000	25,000	--	PACE	--	
8/31/2000	--	50.76	21.71	--	29.05	110,000	8,800	7,600	3,400	14,000	18,000	--	PACE	--	
12/11/2000	--	50.76	22.05	--	28.71	70,000	4,580	3,480	2,550	9,220	24,400	--	PACE	--	
3/20/2001	--	50.76	17.68	--	33.08	100,000	7,100	4,530	2,540	9,370	63,100	--	PACE	--	
6/19/2001	--	50.76	19.40	--	31.36	180,000	7,430	14,600	5,400	25,300	36,100	--	PACE	--	
9/20/2001	--	50.76	22.01	0.03	28.75	--	--	--	--	--	--	--	--	--	f, m
12/27/2001	--	50.76	17.96	--	32.80	120,000	6,880	9,030	2,840	14,600	32,300	--	PACE	--	
2/28/2002	--	50.76	17.06	--	33.70	80,000	4,920	5,450	2,220	12,300	35,900	--	PACE	--	
6/28/2002	--	50.76	17.76	--	33.00	48,000	2,780	2,770	1,550	6,790	25,100	--	PACE	--	
9/12/2002	--	50.76	19.45	--	31.31	46,000	4,500	6,800	2,600	10,000	9,100	--	SEQ	6.8	
12/12/2002	--	50.76	21.29	--	29.47	36,000	5,200	3,400	2,000	6,500	12,000	--	SEQ	6.7	
3/10/2003	--	50.76	17.16	--	33.60	70,000	7,000	4,800	3,300	13,000	29,000	--	SEQ	6.7	
5/12/2003	--	50.76	14.51	--	36.25	75,000	7,600	3,700	3,400	13,000	26,000	--	SEQ	6.8	
8/27/2003	--	50.76	19.32	--	31.44	77,000	7,500	1,300	2,100	4,000	32,000	--	SEQ	6.8	n, s
11/10/2003	P	50.76	20.36	--	30.40	110,000	7,100	3,100	2,100	5,800	25,000	--	SEQM	6.6	
02/03/2004	P	50.76	16.51	--	34.25	160,000	8,400	9,700	5,000	23,000	26,000	--	SEQM	6.7	
05/04/2004	P	50.76	16.47	--	34.29	110,000	8,100	7,500	4,300	17,000	<250	--	SEQM	6.7	
08/31/2004	P	50.76	19.16	--	31.60	91,000	6,600	8,400	3,700	14,000	14,000	--	SEQM	6.7	
11/23/2004	P	50.76	18.02	--	32.74	740,000	20,000	150,000	320,000	1,400,000	23,000	--	SEQM	6.6	s
01/18/2005	P	50.76	14.21	--	36.55	170,000	5,400	14,000	6,900	33,000	8,800	--	SEQM	6.5	s
06/29/2005	P	50.76	13.86	--	36.90	640,000	3,500	25,000	24,000	110,000	1,700	--	SEQM	7.2	
09/01/2005	P	50.76	16.89	--	33.87	100,000	3,800	11,000	4,900	33,000	1,100	--	SEQM	6.7	
11/03/2005	P	50.76	19.33	--	31.43	490,000	4,700	11,000	10,000	49,000	1,500	0.5	SEQM	6.6	



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						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
<b>MW-4 Cont.</b>															
02/14/2006	P	50.76	13.55	--	37.21	970,000	60,000	7,000	36,000	140,000	38,000	--	SEQM	6.8	s
5/30/2006	P	50.76	13.52	--	37.24	140,000	3,000	6,600	6,200	29,000	560	--	SEQM	6.6	
8/29/2006	--	50.76	17.52	--	33.24	52,000	4,700	2,500	3,500	12,000	1,800	--	TAMC	6.7	
11/29/2006	--	50.76	19.93	0.11	30.91	--	--	--	--	--	--	--	--	--	f
2/20/2007	P	50.76	16.14	SHEEN	34.62	68,000	8,400	2,600	4,100	13,000	15,000	1.03	TAMC	6.95	
5/25/2007	P	50.76	16.65	SHEEN	34.11	37,000	5,100	1,200	2,800	6,900	3,500	1.13	TAMC	6.82	
<b>MW-6</b>															
7/24/1992	--	50.32	30.63	--	19.69	--	1.6	--	--	--	--	--	--	--	
7/27/1992	--	50.32	30.63	--	19.69	--	--	--	--	--	--	--	--	--	
9/15/1992	--	50.32	31.52	--	18.80	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	
12/15/1992	--	50.32	32.42	--	17.90	58	1.3	<0.5	<0.5	<0.5	--	--	ANA	--	
3/15/1993	--	50.32	26.29	--	24.03	<50	<0.5	0.6	<0.5	0.7	--	--	PACE	--	j
6/7/1993	--	50.32	26.33	--	23.99	<50	<0.5	<0.5	<0.5	1.5	--	--	PACE	--	j
9/23/1993	--	50.32	29.64	--	20.68	--	--	--	--	--	--	--	--	--	
9/24/1993	--	50.32	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	28.5	--	PACE	--	l
12/27/1993	--	50.32	29.75	--	20.57	<50	<0.5	<0.5	<0.5	<0.5	55.4	--	PACE	--	e,l
4/5/1994	--	50.32	27.26	--	23.06	<50	<0.5	<0.5	<0.5	<0.5	295	1.7	PACE	--	e,l
7/22/1994	--	50.32	27.34	--	22.98	350	<0.5	<0.5	<0.5	<0.5	419	4.5	PACE	--	e,l
10/13/1994	--	50.32	--	--	--	--	--	--	--	--	--	--	--	--	g
1/25/1995	--	50.32	22.16	--	28.16	240	6	<0.5	<0.5	<1	--	--	ATI	--	
4/19/1995	--	50.32	--	--	--	--	--	--	--	--	--	--	--	--	g
7/5/1995	--	50.32	20.80	--	29.52	180	<0.50	<0.50	<0.50	<1.0	--	4.9	ATI	--	
10/5/1995	--	50.32	24.20	--	26.12	860	<5.0	<5.0	<5.0	<10	3,600	2.8	ATI	--	
1/12/1996	--	50.32	25.30	--	25.02	860	<5.0	<5.0	<5.0	<10	2,800	4.2	ATI	--	
4/22/1996	--	50.32	19.13	--	31.19	<50	<0.5	<1	<1	<1	470	4.3	SPL	--	
7/2/1996	--	50.32	20.66	--	29.66	100	<0.5	<1	<1	<1	1,100	4.2	SPL	--	
11/8/1996	--	50.32	20.98	--	29.34	1,100	<5	<10	<10	<10	1,500	4.3	SPL	--	
1/3/1997	--	50.32	20.53	--	29.79	<50	<0.5	<1.0	<1.0	<1.0	450	4.5	SPL	--	
4/28/1997	--	50.32	21.25	--	29.07	1,400	<0.5	<1.0	<1.0	<1.0	3,500	4.4	SPL	--	
7/1/1997	--	50.32	23.40	--	26.92	6,100	<0.5	<1.0	<1.0	<1.0	9,100	3.9	SPL	--	

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

Station #11117, 7210 Bancroft 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)						(mg/L) DO	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-6 Cont.															
10/2/1997	--	50.32	25.16	--	25.16	--	--	--	--	--	--	--	--	--	
10/3/1997	--	50.32	--	--	--	330	<0.5	<1.0	<1.0	<1.0	2,600	4.4	SPL	--	
1/9/1998	--	50.32	21.13	--	29.19	<50	<0.5	<1.0	<1.0	<1.0	<10	4.3	SPL	--	
5/6/1998	--	50.32	16.11	--	34.21	410	<0.5	<1.0	<1.0	<1.0	500	3.6	SPL	--	
7/21/1998	--	50.32	16.33	--	33.99	4,300	<5	<10	<10	<10	3,800	4.0	SPL	--	
12/30/1998	--	50.32	20.89	--	29.43	--	--	--	--	--	--	--	--	--	
2/2/1999	--	50.32	20.20	--	30.12	--	--	--	--	--	--	--	--	--	
5/10/1999	--	50.32	16.75	--	33.57	--	--	--	--	--	--	--	--	--	
9/23/1999	--	50.32	22.55	--	27.77	<50	<1.0	<1.0	<1.0	<1.0	1,600	--	SPL	--	
12/23/1999	--	50.32	23.00	--	27.32	--	--	--	--	--	--	--	--	--	
3/27/2000	--	50.32	16.89	--	33.43	1,700	4.4	0.54	<0.5	1	14,000	--	PACE	--	
5/22/2000	--	50.32	18.02	--	32.30	--	--	--	--	--	--	--	--	--	
8/31/2000	--	50.32	21.62	--	28.70	1,200	<0.5	<0.5	<0.5	<0.5	3,900	--	PACE	--	
12/11/2000	--	50.32	21.81	--	28.51	--	--	--	--	--	--	--	--	--	
3/20/2001	--	50.32	16.97	--	33.35	3,300	<0.5	<0.5	<0.5	<1.5	3,760	--	PAGE	--	
6/19/2001	--	50.32	19.30	--	31.02	--	--	--	--	--	--	--	--	--	
9/20/2001	--	50.32	22.00	--	28.32	2,200	2.04	8.1	3.62	13.7	2,460	--	PACE	--	
12/27/2001	--	50.32	17.85	--	32.47	830	0.59	<0.5	<0.5	<1.0	1,040	--	PACE	--	
2/28/2002	--	50.32	16.31	--	34.01	1,100	<0.5	<0.5	<0.5	<1.0	1,450	--	PACE	--	
6/28/2002	--	50.32	17.57	--	32.75	<50	<0.5	<0.5	<0.5	<1.0	1,020	--	PACE	--	
9/12/2002	--	50.32	19.27	--	31.05	190	1.9	4.6	1	7.3	480	--	SEQ	7.1	
12/12/2002	--	50.32	20.94	--	29.38	270	<2.5	<2.5	<2.5	<2.5	500	--	SEQ	6.9	
3/10/2003	--	50.32	17.11	--	33.21	110	<0.50	<0.50	<0.50	<0.50	190	--	SEQ	7.0	
5/12/2003	--	50.32	15.18	--	35.14	<50	<0.50	<0.50	<0.50	<0.50	36	--	SEQ	7.0	
8/27/2003	--	50.32	18.90	--	31.42	<50	<0.50	<0.50	<0.50	<0.50	8.9	--	SEQ	7.0	
11/10/2003	P	50.32	20.13	--	30.19	<50	<0.50	<0.50	<0.50	<0.50	4.5	--	SEQM	6.8	
02/03/2004	NP	50.32	15.83	--	34.49	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.9	
05/04/2004	P	50.32	15.62	--	34.70	<50	<0.50	<0.50	<0.50	<0.50	24	--	SEQM	6.9	
08/31/2004	P	50.32	18.56	--	31.76	<50	<0.50	<0.50	<0.50	<0.50	27	--	SEQM	7.0	
11/23/2004	--	50.32	16.95	--	33.37	--	--	--	--	--	--	--	--	--	
01/18/2005	P	50.32	13.61	--	36.71	<50	<0.50	<0.50	<0.50	<0.50	1.3	--	SEQM	6.8	

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

Station #11117, 7210 Bancroft 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)						(mg/L) DO	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-6 Cont.															
06/29/2005	--	50.32	13.55	--	36.77	--	--	--	--	--	--	--	--	--	--
09/01/2005	--	50.32	16.52	--	33.80	--	--	--	--	--	--	--	--	--	--
11/03/2005	--	50.32	19.28	--	31.04	--	--	--	--	--	--	--	--	--	--
02/14/2006	--	50.32	--	--	--	--	--	--	--	--	--	--	--	--	--
5/30/2006	--	50.32	--	--	--	--	--	--	--	--	--	--	--	--	g
8/29/2006	--	50.32	17.15	--	33.17	--	--	--	--	--	--	--	--	--	g
11/29/2006	--	50.32	19.50	--	30.82	--	--	--	--	--	--	--	--	--	--
2/20/2007	P	50.32	15.81	--	34.51	<50	<0.50	<0.50	<0.50	<0.50	24	1.59	TAMC	7.60	
5/25/2007	--	50.32	16.38	--	33.94	--	--	--	--	--	--	--	--	--	--
MW-7															
1/25/1995	--	51.40	21.67	--	29.73	<50	<0.5	<0.5	<0.5	<1	--	7.0	ATI	--	
4/19/1995	--	51.40	25.27	--	26.13	<50	<0.5	<0.5	<0.5	<1	--	5.0	ATI	--	
7/5/1995	--	51.40	24.63	--	26.77	<50	<0.50	<0.50	<0.50	<1.0	--	4.2	ATI	--	
10/5/1995	--	51.40	28.21	--	23.19	83	<0.50	<0.50	<0.50	<1.0	77	4.5	ATI	--	
1/12/1996	--	51.40	29.29	--	22.11	63	<0.50	<0.50	<0.50	<1.0	120	4.8	ATI	--	
4/22/1996	--	51.40	23.11	--	28.29	<50	<0.5	<1	<1	<1	13	4.8	SPL	--	
7/2/1996	--	51.40	23.56	--	27.84	<50	<0.5	<1	<1	<1	<10	4.8	SPL	--	
11/8/1996	--	51.40	20.06	--	31.34	<50	<0.5	<1.0	<1.0	<1.0	<10	5.1	SPL	--	
1/3/1997	--	51.40	23.42	--	27.98	<50	<0.5	<1.0	<1.0	<1.0	<10	4.7	SPL	--	
4/28/1997	--	51.40	24.12	--	27.28	<50	<0.5	<1.0	<1.0	<1.0	<10	3.9	SPL	--	
7/1/1997	--	51.40	26.40	--	25.00	<50	<0.5	<1.0	<1.0	<1.0	<10	4.2	SPL	--	
10/2/1997	--	51.40	28.14	--	23.26	<50	<0.5	<1.0	<1.0	<1.0	<10	4.7	SPL	--	
1/9/1998	--	51.40	24.02	--	27.38	<50	<0.5	<1.0	<1.0	<1.0	<10	4.1	SPL	--	
5/6/1998	--	51.40	21.00	--	30.40	1,900	<0.5	<1.0	<1.0	<1.0	1,800	3.5	SPL	--	
7/21/1998	--	51.40	21.17	--	30.23	50	<0.5	<1.0	<1.0	<1.0	<10	3.7	SPL	--	
12/30/1998	--	51.40	22.13	--	29.27	--	--	--	--	--	--	--	--	--	
2/2/1999	--	51.40	22.08	--	29.32	--	--	--	--	--	--	--	--	--	
5/10/1999	--	51.40	18.58	--	32.82	--	--	--	--	--	--	--	--	--	
9/23/1999	--	51.40	24.29	--	27.11	70	<1.0	<1.0	<1.0	<1.0	4,700	--	SPL	--	
12/23/1999	--	51.40	24.53	--	26.87	--	--	--	--	--	--	--	--	--	

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

Station #11117, 7210 Bancroft 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)					(mg/L) DO	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes				
MW-7 Cont.														
3/27/2000	--	51.40	18.58	--	32.82	910	<0.5	<0.5	<0.5	<0.5	2,600	--	PACE	--
5/22/2000	--	51.40	19.49	--	31.91	--	--	--	--	--	--	--	--	--
8/31/2000	--	51.40	22.53	--	28.87	440	<0.5	<0.5	<0.5	<0.5	900	--	PACE	--
12/11/2000	--	51.40	22.75	--	28.65	--	--	--	--	--	--	--	--	--
3/20/2001	--	51.40	18.79	--	32.61	1,100	<0.5	<0.5	<0.5	<1.5	1,210	--	PACE	--
6/19/2001	--	51.40	19.82	--	31.58	--	--	--	--	--	--	--	--	--
9/20/2001	--	51.40	21.35	--	30.05	1,300	1.21	<0.5	<0.5	<1.5	1,550	--	PACE	--
12/27/2001	--	51.40	20.36	--	31.04	510	<0.5	<0.5	<0.5	<1.0	643	--	PACE	--
2/28/2002	--	51.40	21.86	--	29.54	250	<0.5	<0.5	<0.5	<1.0	317	--	PACE	--
6/28/2002	--	51.40	22.64	--	28.76	<50	<0.5	<0.5	<0.5	<1.0	102	--	PACE	--
9/12/2002	--	51.40	23.51	--	27.89	<50	<0.5	<0.5	<0.5	1	14	--	SEQ	7.5
12/12/2002	--	51.40	23.75	--	27.65	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	SEQ	7.5
5/10/2003	--	51.40	21.25	--	30.15	61	<0.50	<0.50	<0.50	<0.50	99	--	SEQ	7.6
5/12/2003	--	51.40	21.44	--	29.96	<100	<1.0	<1.0	<1.0	<1.0	120	--	SEQ	7.6
8/27/2003	--	51.40	23.30	--	28.10	120	<0.50	<0.50	<0.50	<0.50	84	--	SEQ	7.6
11/10/2003	P	51.40	20.24	--	31.16	230	<1.0	<1.0	<1.0	<1.0	92	--	SEQM	6.7
02/03/2004	P	51.40	20.63	--	30.77	<250	<2.5	<2.5	<2.5	<2.5	91	--	SEQM	7.5
05/04/2004	P	51.40	21.89	--	29.51	<250	<2.5	<2.5	<2.5	<2.5	190	--	SEQM	7.6
08/31/2004	P	51.40	23.16	--	28.24	<500	<5.0	<5.0	<5.0	<5.0	220	--	SEQM	7.3
11/23/2004	P	51.40	21.65	--	29.75	590	<2.5	5.0	11	51	290	--	SEQM	7.1
01/18/2005	P	51.40	16.28	--	35.12	<250	<2.5	<2.5	<2.5	2.5	92	--	SEQM	7.3
06/29/2005	P	51.40	14.50	--	36.90	2,200	43	97	92	390	250	--	SEQM	8.0
09/01/2005	P	51.40	20.41	--	30.99	<500	<5.0	<5.0	<5.0	<5.0	60	--	SEQM	7.5
11/03/2005	P	51.40	21.00	--	30.40	130	<1.0	<1.0	<1.0	1.0	130	0.63	SEQM	7.2
02/14/2006	P	51.40	16.31	--	35.09	100	<0.50	<0.50	<0.50	0.87	62	--	SEQM	7.4
5/30/2006	P	51.40	17.58	--	33.82	<50	<0.50	<0.50	<0.50	<0.50	9.1	--	SEQM	7.2
8/29/2006	--	51.40	18.64	--	32.76	100	<2.5	<2.5	<2.5	<2.5	140	--	TAMC	7.0
11/29/2006	P	51.40	20.35	--	31.05	84	<2.5	<2.5	<2.5	<2.5	190	3.06	TAMC	7.65
2/20/2007	P	51.40	17.09	--	34.31	160	<2.5	<2.5	<2.5	<2.5	170	1.77	TAMC	7.66
5/25/2007	P	51.40	17.20	--	34.20	70	<1.0	<1.0	<1.0	<1.0	93	1.13	TAMC	7.41



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

Station #11117, 7210 Bancroft 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)						(mg/L) DO	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-8															
1/25/1995	--	50.88	31.59	--	19.29	54	<0.5	<0.5	<0.5	<1	--	7.1	ATI	--	
4/19/1995	--	50.88	19.18	--	31.70	<50	<0.5	<0.5	<0.5	<1	--	5.1	ATI	--	
7/5/1995	--	50.88	19.03	--	31.85	<50	<0.50	<0.50	<0.50	<1.0	--	4.5	ATI	--	
10/5/1995	--	50.88	24.40	--	26.48	<50	<0.50	<0.50	<0.50	<1.0	<5.0	4.1	ATI	--	
1/12/1996	--	50.88	25.51	--	25.37	<50	<0.50	<0.50	<0.50	<1.0	<5.0	4.6	ATI	--	
4/22/1996	--	50.88	18.00	--	32.88	<50	<0.5	<1	<1	<1	<10	4.8	SPL	--	
7/2/1996	--	50.88	19.83	--	31.05	<50	<0.5	<1	<1	<1	<10	4.5	SPL	--	
11/8/1996	--	50.88	20.09	--	30.79	<50	<0.5	<1.0	<1.0	<1.0	<10	4.7	SPL	--	
1/3/1997	--	50.88	19.72	--	31.16	<50	<0.5	<1.0	<1.0	<1.0	<10	4.4	SPL	--	
4/28/1997	--	50.88	20.44	--	30.44	<50	<0.5	<1.0	<1.0	<1.0	<10	4.1	SPL	--	
7/1/1997	--	50.88	22.72	--	28.16	<50	<0.5	<1.0	<1.0	<1.0	<10	3.8	SPL	--	
10/2/1997	--	50.88	24.51	--	26.37	<50	<0.5	<1.0	<1.0	<1.0	<10	4.2	SPL	--	
1/9/1998	--	50.88	21.17	--	29.71	<50	<0.5	<1.0	<1.0	<1.0	<10	3.5	SPL	--	
5/6/1998	--	50.88	18.34	--	32.54	<50	<0.5	<1.0	<1.0	<1.0	<10	3.6	SPL	--	
7/21/1998	--	50.88	18.55	--	32.33	90	<0.5	<1.0	<1.0	<1.0	<10	3.3	SPL	--	
12/30/1998	--	50.88	20.40	--	30.48	--	--	--	--	--	--	--	--	--	
2/2/1999	--	50.88	19.28	--	31.60	--	--	--	--	--	--	--	--	--	
5/10/1999	--	50.88	15.62	--	35.26	--	--	--	--	--	--	--	--	--	
9/23/1999	--	50.88	21.74	--	29.14	--	--	--	--	--	--	--	--	--	
12/23/1999	--	50.88	22.83	--	28.05	--	--	--	--	--	--	--	--	--	
3/27/2000	--	50.88	16.25	--	34.63	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	PACE	--	
5/22/2000	--	50.88	17.06	--	33.82	--	--	--	--	--	--	--	--	--	
8/31/2000	--	50.88	21.72	--	29.16	--	--	--	--	--	--	--	--	--	
12/11/2000	--	50.88	22.03	--	28.85	--	--	--	--	--	--	--	--	--	
3/20/2001	--	50.88	16.23	--	34.65	<50	<0.5	<0.5	<0.5	<1.5	0.991	--	PACE	--	
6/19/2001	--	50.88	19.35	--	31.53	--	--	--	--	--	--	--	--	--	
9/20/2001	--	50.88	21.95	--	28.93	--	--	--	--	--	--	--	--	--	
12/27/2001	--	50.88	16.98	--	33.90	--	--	--	--	--	--	--	--	--	
2/28/2002	--	50.88	15.38	--	35.50	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--	PACE	--	
6/28/2002	--	50.88	16.97	--	33.91	--	--	--	--	--	--	--	--	--	
9/12/2002	--	50.88	19.47	--	31.41	--	--	--	--	--	--	--	--	--	

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

Station #11117, 7210 Bancroft 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)						(mg/L) DO	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
<b>MW-8 Cont.</b>															
12/12/2002	--	50.88	20.84	--	30.04	--	--	--	--	--	--	--	--	--	--
3/10/2003	--	50.88	16.56	--	34.32	<50	<0.50	<0.50	<0.50	<0.50	3	--	SEQ	7.1	
5/12/2003	--	50.88	13.63	--	37.25	--	--	--	--	--	--	--	--	--	
8/27/2003	--	50.88	18.90	--	31.98	--	--	--	--	--	--	--	--	--	a
11/10/2003	--	50.88	19.68	--	31.20	--	--	--	--	--	--	--	--	--	
02/03/2004	P	50.88	14.76	--	36.12	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.5	
05/04/2004	--	50.88	14.69	--	36.19	--	--	--	--	--	--	--	--	--	
08/31/2004	--	50.88	18.08	--	32.80	--	--	--	--	--	--	--	--	--	
11/23/2004	NP	50.88	15.77	--	35.11	--	--	--	--	--	--	--	--	--	
01/18/2005	P	50.88	12.04	--	38.84	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.0	
06/29/2005	--	50.88	--	--	--	--	--	--	--	--	--	--	--	--	v
09/01/2005	--	50.88	16.12	--	34.76	--	--	--	--	--	--	--	--	--	
11/03/2005	--	50.88	19.42	--	31.46	--	--	--	--	--	--	--	--	--	
02/14/2006	P	50.88	12.43	--	38.45	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	7.0	
5/30/2006	--	50.88	12.40	--	38.48	--	--	--	--	--	--	--	--	--	
8/29/2006	--	50.88	17.16	--	33.72	--	--	--	--	--	--	--	--	--	
11/29/2006	--	50.88	19.35	--	31.53	--	--	--	--	--	--	--	--	--	
2/20/2007	P	50.88	14.57	--	36.31	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.28	TAMC	7.65	
5/25/2007	--	50.88	16.11	--	34.77	--	--	--	--	--	--	--	--	--	
<b>MW-9</b>															
1/25/1995	--	51.05	22.32	--	28.73	<50	<0.5	<0.5	<0.5	<1	--	7.4	ATI	--	
4/19/1995	--	51.05	19.86	--	31.19	<50	<0.5	<0.5	<0.5	<1	--	5.2	ATI	--	
7/5/1995	--	51.05	20.78	--	30.27	<50	<0.50	<0.50	<0.50	<1.0	--	4.4	ATI	--	
10/5/1995	--	51.05	24.33	--	26.72	<50	<0.50	<0.50	<0.50	<1.0	--	2.3	ATI	--	
10/5/1995	--	--	--	--	--	52	<0.50	<0.50	<0.50	<1.0	160	--	ATI	--	d
1/12/1996	--	51.05	25.44	--	25.61	<50	<0.50	<0.50	<0.50	<1.0	<5.0	3.2	ATI	--	
4/22/1996	--	51.05	18.01	--	33.04	<50	<0.5	<1	<1	<1	11	3.5	SPL	--	
7/2/1996	--	51.05	19.70	--	31.35	<50	<0.5	<1	<1	<1	<10	3.3	SPL	--	
11/8/1996	--	51.05	19.96	--	31.09	<50	<0.5	<1.0	<1.0	<1.0	<10	3.7	SPL	--	
1/3/1997	--	51.05	19.52	--	31.53	<250	<2.5	<5.0	<5.0	<5.0	<50	4.4	SPL	--	

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

Station #11117, 7210 Bancroft 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)						(mg/L) DO	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-9 Cont.															
4/28/1997	--	51.05	20.22	--	30.83	<50	<0.5	<1.0	<1.0	<1.0	<10	4.0	SPL	--	
7/1/1997	--	51.05	22.59	--	28.46	<50	<0.5	<1.0	<1.0	<1.0	<10	3.9	SPL	--	
10/2/1997	--	51.05	24.33	--	26.72	--	--	--	--	--	--	--	--	--	
10/3/1997	--	51.05	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	4.4	SPL	--	
1/9/1998	--	51.05	21.11	--	29.94	<50	<0.5	<1.0	<1.0	<1.0	<10	3.9	SPL	--	
5/6/1998	--	51.05	18.26	--	32.79	<50	<0.5	<1.0	<1.0	<1.0	<10	4.0	SPL	--	
7/21/1998	--	51.05	18.46	--	32.59	70	<0.5	<1.0	<1.0	<1.0	<10	3.7	SPL	--	
12/30/1998	--	51.05	--	--	--	--	--	--	--	--	--	--	--	--	g
2/2/1999	--	51.05	--	--	--	--	--	--	--	--	--	--	--	--	g
5/10/1999	--	51.05	--	--	--	--	--	--	--	--	--	--	--	--	g
9/23/1999	--	51.05	--	--	--	--	--	--	--	--	--	--	--	--	g
12/23/1999	--	51.05	--	--	--	--	--	--	--	--	--	--	--	--	g
3/27/2000	--	51.05	--	--	--	--	--	--	--	--	--	--	--	--	g
5/22/2000	--	51.05	--	--	--	--	--	--	--	--	--	--	--	--	g
8/31/2000	--	51.05	--	--	--	--	--	--	--	--	--	--	--	--	g
12/1/2000	--	51.05	--	--	--	--	--	--	--	--	--	--	--	--	g
3/20/2001	--	51.05	--	--	--	--	--	--	--	--	--	--	--	--	g
6/19/2001	--	51.05	--	--	--	--	--	--	--	--	--	--	--	--	g
9/20/2001	--	51.05	22.20	--	28.85	6,300	2.87	<0.5	<0.5	<1.5	8,640	--	PAGE	--	
12/27/2001	--	51.05	18.92	--	32.13	--	--	--	--	--	--	--	--	--	
2/28/2002	--	51.05	17.22	--	33.83	19,000	1,560	61.3	84	111	20,200	--	PAGE	--	
6/28/2002	--	51.05	18.20	--	32.85	--	--	--	--	--	--	--	--	--	
9/12/2002	--	51.05	19.92	--	31.13	5,100	570	180	<25	220	6,400	--	SEQ	6.8	
12/12/2002	--	51.05	21.78	--	29.27	--	--	--	--	--	--	--	--	--	
3/10/2003	--	51.05	18.25	--	32.80	26,000	2,500	<100	<100	<100	33,000	--	SEQ	6.9	
5/12/2003	--	51.05	16.29	--	34.76	--	--	--	--	--	--	--	SEQ	--	
8/27/2003	--	51.05	19.69	--	31.36	11,000	830	<50	<50	<50	6,300	--	SEQ	7.1	n
11/10/2003	--	51.05	19.97	--	31.08	--	--	--	--	--	--	--	--	--	
02/03/2004	P	51.05	17.23	--	33.82	6,200	180	<50	<50	<50	2,100	--	SEQM	7.2	
05/04/2004	--	51.05	17.17	--	33.88	--	--	--	--	--	--	--	--	--	
08/31/2004	P	51.05	19.71	--	31.34	<2,500	210	<25	<25	<25	1,500	--	SEQM	7.0	

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

Station #11117, 7210 Bancroft 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)						(mg/L) DO	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
<b>MW-9 Cont.</b>															
11/23/2004	--	51.05	18.58	--	32.47	--	--	--	--	--	--	--	--	--	--
01/18/2005	P	51.05	14.98	--	36.07	490	32	<2.5	<2.5	8.9	130	--	SEQM	6.9	
06/29/2005	--	51.05	14.74	--	36.31	--	--	--	--	--	--	--	--	--	
09/01/2005	P	51.05	17.42	--	33.63	3,500	1,300	<25	<25	28	240	--	SEQM	6.9	
11/03/2005	--	51.05	19.90	--	31.15	--	--	--	--	--	--	--	--	--	
02/14/2006	P	51.05	12.95	--	38.10	2,700	<25	<25	<25	<25	2,200	--	SEQM	7.0	w
5/30/2006	--	51.05	13.76	--	37.29	--	--	--	--	--	--	--	--	--	
8/29/2006	--	51.05	17.86	--	33.19	1,200	580	<25	<25	<25	<25	--	TAMC	6.9	
11/29/2006	--	51.05	20.25	--	30.80	--	--	--	--	--	--	--	--	--	
2/20/2007	P	51.05	16.91	--	34.14	780	66	1.5	2.0	1.4	3.2	2.66	TAMC	7.93	
5/25/2007	--	51.05	17.28	--	33.77	--	--	--	--	--	--	--	--	--	
<b>MW-10</b>															
1/9/1998	--	--	20.97	--	--	<50	<0.5	<1.0	<1.0	<1.0	<1.0	4.3	SPL	--	h
5/6/1998	--	--	18.07	--	--	800	<0.5	<1.0	<1.0	<1.0	980	3.9	SPL	--	h
7/21/1998	--	--	18.28	--	--	80	<0.5	<1.0	<1.0	<1.0	<1.0	4.0	SPL	--	h
12/30/1998	--	--	22.22	--	--	--	--	--	--	--	--	--	--	--	h
2/2/1999	--	--	21.83	--	--	940	<1.0	<1.0	<1.0	<1.0	690	--	SPL	--	h
5/10/1999	--	--	17.99	--	--	--	--	--	--	--	--	--	--	--	h
9/23/1999	--	--	22.61	--	--	<50	<1.0	<1.0	<1.0	1.4	1,000	--	SPL	--	h
12/23/1999	--	--	23.75	--	--	--	--	--	--	--	--	--	--	--	h
3/27/2000	--	--	18.83	--	--	1,900	<0.5	<0.5	<0.5	<0.5	28,000	--	PACE	--	h
5/22/2000	--	--	19.47	--	--	--	--	--	--	--	--	--	--	--	h
8/31/2000	--	--	22.64	--	--	1,700	<0.5	<0.5	<0.5	<0.5	13,000	--	PACE	--	h
12/11/2000	--	--	22.84	--	--	--	--	--	--	--	--	--	--	--	h
3/20/2001	--	--	19.57	--	--	16,000	<0.5	<0.5	<0.5	<1.5	11,900	--	PACE	--	h
6/19/2001	--	--	20.63	--	--	--	--	--	--	--	--	--	--	--	h
9/20/2001	--	--	23.07	--	--	5,800	<0.5	<0.5	<0.5	<1.5	8,160	--	PACE	--	h
12/27/2001	--	--	20.92	--	--	6,600	17.3	14.5	<12.5	<25	7,750	--	PACE	--	h
2/28/2002	--	--	18.52	--	--	3,600	10.8	<0.5	<0.5	<1.0	5,380	--	PACE	--	h
6/28/2002	--	--	18.41	--	--	<50	<0.5	<0.5	<0.5	<1.0	2,570	--	PACE	--	h



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

Station #11117, 7210 Bancroft 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)					(mg/L)	Lab	pH	Comments	
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes					MTBE
<b>MW-10 Cont.</b>															
9/12/2002	--	--	20.57	--	--	660	<5.0	<5.0	<5.0	<5.0	3,300	--	SEQ	7.2	h
12/12/2002	--	--	22.80	--	--	1,400	<5.0	<5.0	<5.0	<5.0	3,300	--	SEQ	6.9	h
3/10/2003	--	--	19.26	--	--	1,700	<5.0	<5.0	5.3	15	2,800	--	SEQ	6.9	h
5/12/2003	--	--	17.90	--	--	1,500	<12	<12	<12	<12	2,200	--	SEQ	6.9	h
8/27/2003	--	--	20.82	--	--	4,100	<25	<25	<25	<25	2,800	--	SEQ	7.0	n, h
11/10/2003	P	--	21.92	--	--	<5,000	<50	<50	<50	<50	3,300	--	SEQM	6.8	
02/03/2004	P	--	18.52	--	--	5,100	<50	<50	<50	<50	2,300	--	SEQM	7.0	q
05/04/2004	P	--	17.63	--	--	<2,500	<25	<25	<25	<25	1,600	--	SEQM	6.8	
08/31/2004	P	--	20.67	--	--	<5,000	<50	<50	<50	<50	1,900	--	SEQM	7.0	
11/23/2004	P	--	19.79	--	--	2,600	<25	<25	<25	<25	2,300	--	SEQM	6.8	
01/18/2005	P	--	16.13	--	--	560	<5.0	<5.0	<5.0	<5.0	530	--	SEQM	6.9	
06/29/2005	P	--	15.56	--	--	110	1.9	4.6	4.2	17	71	--	SEQM	6.8	
09/01/2005	P	--	18.10	--	--	<250	<2.5	<2.5	<2.5	<2.5	280	--	SEQM	6.9	
11/03/2005	P	--	20.90	--	--	800	<5.0	<5.0	<5.0	7.0	770	0.71	SEQM	6.8	w
02/14/2006	P	--	15.58	--	--	600	<0.50	<0.50	<0.50	<0.50	400	--	SEQM	7.1	x
5/30/2006	P	--	14.70	--	--	95	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.7	
8/29/2006	--	--	18.69	--	--	250	<5.0	<5.0	<5.0	<5.0	490	--	TAMC	6.8	
11/29/2006	P	--	21.35	--	--	650	<5.0	<5.0	<5.0	<5.0	1,400	0.89	TAMC	7.19	w
2/20/2007	P	--	18.65	--	--	720	<5.0	<5.0	<5.0	<5.0	850	1.19	TAMC	7.32	
5/25/2007	P	--	18.15	--	--	130	<0.50	<0.50	<0.50	<0.50	170	0.51	TAMC	7.00	w
<b>QC-2</b>															
9/15/1992	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	i
12/15/1992	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	i
3/15/1993	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PAGE	--	i, l
6/7/1993	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PAGE	--	i, l
9/24/1993	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PAGE	--	i, l
12/27/1993	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PAGE	--	i, l
4/5/1994	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PAGE	--	i, l
7/22/1994	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PAGE	--	i, l
10/13/1994	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PAGE	--	i, l

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

Station #11117, 7210 Bancroft 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)						(mg/L) DO	Lab	pH	Comments
						GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
QC-2 Cont.															
1/25/1995	--	--	--	--	--	<50	<0.5	2	0.6	1	--	--	ATI	--	i
4/19/1995	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	ATI	--	i
7/5/1995	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	ATI	--	i
10/5/1995	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	--	i
1/12/1996	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	--	i
4/22/1996	--	--	--	--	--	<50	<0.5	<1	<1	<1	<10	--	SPL	--	i
7/2/1996	--	--	--	--	--	<50	<0.5	<1	<1	<1	<10	--	SPL	--	i

ABBREVIATIONS AND SYMBOLS:

< = Not detected at or laboratory reporting limit  
--- = Not analyzed/applicable/measurable  
µg/L = Micrograms per liter  
ANA = Anamatrix, Inc.  
ATI = Analytical Technologies, Inc.  
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  
PACE = Pace, Inc.  
SEQ/SEQM = Sequoia/Sequoia Morgan Hill Analytical  
SPL = Southern Petroleum Laboratories  
TOC = Top of casing in ft MSL  
TPH-g = Total petroleum hydrocarbons as gasoline

FOOTNOTES:

c = Concentrations reported as diesel from MW-1, MW-2 and MW-4 are primarily due to the presence of a lighter petroleum product, possibly gasoline or kerosene.  
d = Blind duplicate.  
e = A copy of the documentation for this data is included in Appendix C of Alisto report 10-018-05-004.  
f = Well not sampled due to presence of free product (FP).  
g = Well inaccessible.  
h = TOC not surveyed.  
i = Travel blank.  
j = EPA method by 8020\8260.  
k = Samples ran outside of EPA recommended hold time.  
l = A copy of the documentation for this data can be found in Blaine Tech Services report 010619-C-2. The MTBE data for the March 15, 1993 and June 7, 1993 events have been destroyed.  
m = Thickness of SPH is only an estimate. The resulting GWE will not be used in contouring.  
n = Samples analyzed by EPA Method 8260B for TPH-g, benzene, toluene, ethylbenzene, total xylenes, and fuel oxygenates.  
o = Discrete peak @ C6-C7.  
q = Discrete peak @ C5-C6.  
r = Well was dry.  
s = Sheen in well.  
t = DTW and resulting GWE were anomalous and not used in groundwater contouring.  
u = Anomalously low concentrations reported from Cambria. Do not appear to support historic trends.  
v = Unable to locate well.  
w = The hydrocarbon result for GRO was partly due to individual peaks in the quantitation range.  
x = Initial analysis for MTBE within holding time but required dilution.

NOTES:

Casing elevations surveyed to the nearest 0.01 ft MSL.

GWE adjusted assuming a specific gravity of 0.75 for FP.

During the third quarter of 2002, URS Corporation assumed groundwater monitoring activities for BP.

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

Values for pH and DO are field measurements.

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 #11117, 7210 Bancroft Ave., Oakland, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
<b>EX-1</b>									
05/04/2004	<5,000	<1,000	2,500	<25	<25	38	<25	<25	
08/31/2004	<10,000	<2,000	2,100	<50	<50	<50	<50	<50	
11/23/2004	<5,000	<1,000	3,000	<25	<25	74	<25	<25	
01/18/2005	<5,000	<1,000	2,200	<25	<25	54	<25	<25	a
06/29/2005	<5,000	<1,000	1,400	<25	<25	30	<25	<25	
09/01/2005	<5,000	<1,000	2,000	<25	<25	46	<25	<25	
11/03/2005	<5,000	<1,000	3,000	<25	<25	87	<25	<25	
02/14/2006	<15,000	<1,000	1,100	<25	<25	<25	<25	<25	a
5/30/2006	<15,000	<1,000	1,400	<25	<25	37	<25	<25	a
8/29/2006	<15,000	<1,000	2,500	<25	<25	56	<25	<25	
11/29/2006	<30,000	<2,000	2,700	<50	<50	75	<50	<50	
2/20/2007	<30,000	<2,000	920	<50	<50	<50	<50	<50	
5/25/2007	<30,000	<2,000	890	<50	<50	<50	<50	<50	
<b>EX-2</b>									
05/04/2004	<100	<20	46	<0.50	<0.50	<0.50	<0.50	<0.50	
08/31/2004	<500	<100	130	<2.5	<2.5	3.4	<2.5	<2.5	
11/23/2004	<100	<20	5.8	<0.50	<0.50	<0.50	<0.50	<0.50	
01/18/2005	<100	<20	6.5	<0.50	<0.50	<0.50	<0.50	<0.50	a
06/29/2005	<100	<20	24	<0.50	<0.50	<0.50	<0.50	<0.50	
09/01/2005	<100	<20	55	<0.50	<0.50	0.56	<0.50	<0.50	
11/03/2005	<100	<20	39	<0.50	<0.50	0.80	<0.50	<0.50	
02/14/2006	<300	<20	0.72	<0.50	<0.50	<0.50	<0.50	<0.50	a
5/30/2006	<300	<20	7.8	<0.50	<0.50	<0.50	<0.50	<0.50	
8/29/2006	<300	<20	94	<0.50	<0.50	0.98	<0.50	<0.50	
11/29/2006	<300	<20	4.4	<0.50	<0.50	<0.50	<0.50	<0.50	
2/20/2007	<300	<20	12	<0.50	<0.50	<0.50	<0.50	<0.50	
5/25/2007	<300	<20	10	<0.50	<0.50	<0.50	<0.50	<0.50	
<b>MW-1</b>									
8/27/2003	<100	<20	4.2	<0.50	<0.50	<0.50	--	--	
11/10/2003	<100	<20	0.51	<0.50	<0.50	<0.50	--	--	

**Table 2. Summary of Fuel Additives Analytical Data**  
**Station #11117, 7210 Bancroft Ave., Oakland, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
<b>MW-1 Cont.</b>									
02/03/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
05/04/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
08/31/2004	<100	<20	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
01/18/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
02/14/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
2/20/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
<b>MW-2</b>									
8/27/2003	<25,000	<5,000	5,100	<120	<120	140	-	-	
11/10/2003	<50,000	<10,000	4,200	<250	<250	<250	-	-	
02/03/2004	<100,000	<20,000	1,900	<500	<500	<500	<500	<500	
05/04/2004	<50,000	<10,000	2,500	<250	<250	<250	<250	<250	
08/31/2004	<50,000	<10,000	3,400	<250	<250	<250	<250	<250	
11/23/2004	<50,000	<10,000	2,400	<250	<250	<250	<250	<250	
01/18/2005	<20,000	<4,000	3,700	<100	<100	<100	<100	<100	a
06/29/2005	<10,000	<2,000	3,600	<50	<50	72	<50	<50	
09/01/2005	<20,000	<4,000	5,100	<100	<100	100	<100	<100	
11/03/2005	<20,000	<4,000	3,700	<100	<100	100	<100	<100	
02/14/2006	<60,000	<4,000	3,400	<100	<100	<100	<100	<100	a
5/30/2006	<60,000	<4,000	2,300	<100	<100	<100	<100	<100	
8/29/2006	<60,000	<4,000	13,000	<100	<100	100	<100	<100	
11/29/2006	<75,000	<5,000	11,000	<120	<120	120	<120	<120	
2/20/2007	<60,000	<4,000	10,000	<100	<100	<100	<100	<100	
5/25/2007	<120,000	<8,000	3,400	<200	<200	<200	<200	<200	
<b>MW-3</b>									
8/27/2003	<100	<20	<0.50	<0.50	<0.50	<0.50	-	-	
02/03/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
08/31/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
01/18/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
02/14/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
2/20/2007	<300	<20	0.89	<0.50	<0.50	<0.50	<0.50	<0.50	

Table 2. Summary of Fuel Additives Analytical Data  
Station #11117, 7210 Bancroft Ave., Oakland, CA

Well and Sample Date	Concentrations in (µg/L)											Comments	
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB					
<b>MW-4</b>													
8/27/2003	<50,000	<10,000	32,000	<250	<250	250	—	—	—	—	—	—	—
11/10/2003	<100,000	<20,000	25,000	<500	<500	<500	—	—	—	—	—	—	—
02/03/2004	<100,000	<20,000	26,000	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500
05/04/2004	<50,000	<10,000	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
08/31/2004	<50,000	<10,000	14,000	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
11/23/2004	<500,000	<100,000	23,000	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500	<2,500
01/18/2005	<50,000	<10,000	8,800	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
06/29/2005	<50,000	<10,000	1,700	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
09/01/2005	<100,000	<20,000	1,100	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500
11/03/2005	<100,000	<20,000	1,500	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500
02/14/2006	<300,000	<20,000	38,000	<500	<500	1,000	<500	<500	<500	<500	<500	<500	<500
5/30/2006	<300,000	<20,000	560	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500
8/29/2006	<300,000	<20,000	1,800	<500	<500	<500	<500	<500	<500	<500	<500	<500	<500
2/20/2007	<150,000	<10,000	15,000	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250
5/25/2007	<120,000	<8,000	3,500	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200
<b>MW-6</b>													
8/27/2003	<100	<20	8.9	<0.50	<0.50	<0.50	—	—	—	—	—	—	—
11/10/2003	<100	<20	4.5	<0.50	<0.50	<0.50	—	—	—	—	—	—	—
02/03/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
05/04/2004	<100	<20	24	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
08/31/2004	<100	<20	27	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
01/18/2005	<100	<20	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
2/20/2007	<300	<20	24	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
<b>MW-7</b>													
8/27/2003	<100	<20	84	<0.50	<0.50	<0.50	—	—	—	—	—	—	—
11/10/2003	<200	<40	92	<1.0	<1.0	<1.0	—	—	—	—	—	—	—
02/03/2004	<500	<100	91	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
05/04/2004	<500	<100	190	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
08/31/2004	<1,000	<200	220	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
11/23/2004	<500	<100	290	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5

Table 2. Summary of Fuel Additives Analytical Data  
 Station #11117, 7210 Bancroft Ave., Oakland, CA

Well and Sample Date	Concentrations in (µg/L)										Comments	
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB				
<b>MW-7 Cont.</b>												
01/18/2005	<500	<100	97	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	a
06/29/2005	<500	<100	250	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
09/01/2005	<1,000	<200	60	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
11/03/2005	<200	<40	130	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
02/14/2006	<300	<20	62	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
5/30/2006	<300	<20	9.1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
8/29/2006	<1,500	<100	140	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
11/29/2006	<1,500	<100	190	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
2/20/2007	<1,500	<100	170	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
5/25/2007	<600	<40	93	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
<b>MW-8</b>												
02/03/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
01/18/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
02/14/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	a
2/20/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
<b>MW-9</b>												
8/27/2003	<10,000	<2,000	6,500	<50	<50	<50	<50	<50	<50	<50	<50	
02/03/2004	<10,000	<2,000	2,100	<50	<50	<50	<50	<50	<50	<50	<50	a
08/31/2004	<5,000	<1,000	1,500	<25	<25	<25	<25	<25	<25	<25	<25	
01/18/2005	<500	150	130	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	a
09/01/2005	<5,000	2,700	240	<25	<25	<25	<25	<25	<25	<25	<25	
02/14/2006	<15,000	<1,000	2,200	<25	<25	<25	<25	<25	<25	<25	<25	a
8/29/2006	<15,000	2,100	<25	<25	<25	<25	<25	<25	<25	<25	<25	
2/20/2007	<600	380	3.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
<b>MW-10</b>												
8/27/2003	<5,000	<1,000	2,800	<25	<25	<25	<25	<25	<25	<25	<25	
11/10/2003	<10,000	<2,000	3,300	<50	<50	<50	<50	<50	<50	<50	<50	
02/03/2004	<10,000	<2,000	2,300	<50	<50	<50	<50	<50	<50	<50	<50	a
05/04/2004	<5,000	<1,000	1,600	<25	<25	<25	<25	<25	<25	<25	<25	
08/31/2004	<10,000	<2,000	1,900	<50	<50	<50	<50	<50	<50	<50	<50	

Table 2. Summary of Fuel Additives Analytical Data  
 Station #11117, 7210 Bancroft Ave., Oakland, CA

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
MW-10 Cont.									
11/23/2004	<5,000	<1,000	2,300	<25	<25	<25	<25	<25	
01/18/2005	<1,000	<200	530	<5.0	<5.0	<5.0	<5.0	<5.0	a
06/29/2005	<100	<20	71	<0.50	<0.50	<0.50	<0.50	<0.50	
09/01/2005	<500	<100	280	<2.5	<2.5	<2.5	<2.5	<2.5	
11/03/2005	<1,000	<200	770	<5.0	<5.0	<5.0	<5.0	<5.0	
02/14/2006	<300	34	400	<0.50	<0.50	1.2	<0.50	<0.50	a, b
5/30/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
8/29/2006	<3,000	<200	490	<5.0	<5.0	<5.0	<5.0	<5.0	
11/29/2006	<3,000	<200	1,400	<5.0	<5.0	5.8	<5.0	<5.0	
2/20/2007	<3,000	<200	850	<5.0	<5.0	<5.0	<5.0	<5.0	
5/25/2007	<300	<20	170	<0.50	<0.50	0.69	<0.50	<0.50	

ABBREVIATIONS AND SYMBOLS:

– = Not analyzed/applicable/measurable

< = Not detected above reported detection limit

1,2-DCA = 1,2-Dichloroethane

µg/L = Micrograms per Liter

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

FOOTNOTES:

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

b = Initial analysis for MTBE within holding time but required dilution.

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 #11117, 7210 Bancroft Ave., Oakland, CA**

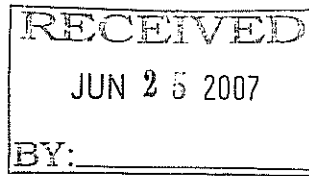
Date Sampled	Approximate Flow Direction	Approximate Hydraulic Gradient
9/12/2002	Northeast	0.03
12/12/2002	Northeast	0.02
3/10/2003	Northeast	0.03
5/12/2003	North-Northeast	0.055
8/27/2003	North-Northeast	0.036
11/10/2003	North-Northeast	0.012
2/3/2004	Northeast	0.013
5/4/2004	Northeast	0.015
8/31/2004	Northeast	0.010
11/23/2004	North-Northeast	0.04
1/18/2005	Northeast	0.02
6/29/2005	Variable	0.003, 0.006
9/1/2005	North	0.03
11/3/2005	North	0.008
2/14/2006	North-Northeast	0.02
5/30/2006	North	0.03
8/29/2006	Northeast	0.006
11/29/2006	West, Southeast	0.002, 0.001
2/20/2007	Northeast	0.004
5/25/2007	North	0.005

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 AND LABORATORY REPORT AND  
CHAIN-OF-CUSTODY DOCUMENTATION)**





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

June 15, 2007

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

Re: Groundwater Sampling Data Package, BP Service Station No. 11117, located at 7210 Bancroft, Oakland, California (Quarterly Monitoring performed on May 25, 2007)

**General Information**

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

*Phone Number:* (530) 676-6000

*On-Site Supplier Representative:* Vince Zalutka

*Date:* May 25, 2007

*Arrival:* 04:30                      *Departure:* 09:20

*Weather Conditions:* Clear/High Fog

*Unusual Field Conditions:* None

*Scope of Work Performed:* Quarterly monitoring and sampling

*Variations from Work Scope:* Well EX-1 ran dry before three casing volumes were removed.

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

ORIGINAL

BP GEM OIL COMPANY

TYPE **A** BILL OF LADING

SOURCE RECORD BILL OF LADING FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT BP GEM OIL COMPANY FACILITIES IN THE STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGEWATER WHICH HAS BEEN RECOVERED FROM GROUNDWATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY BELSHIRE ENVIRONMENTAL TO SEAPORT ENVIRONMENTAL IN REDWOOD CITY, CALIFORNIA.

The contractors performing this work are Stratus Environmental, Inc. [Stratus, 3330 Cameron Park Drive, Suite 550, Cameron Park, CA 95682, (530) 676-6004], and Dulous Environmental, Inc. [Dulous, PO Box 2559, Orangevale, CA 95662, (916) 990-0333]. Stratus is authorized by BP GEM OIL COMPANY to recover, collect, and apportion into loads the non-hazardous well purgewater that is drawn from wells at BP GEM Oil Company facilities and deliver that purgewater to BP GEM Oil Company facility 5786 located in West Sacramento, California. Dulous also performs these services under subcontract to Stratus. Transport routing of the non-hazardous well purgewater may be direct from one BP GEM facility to the designated destination point; from one BP GEM facility to the designated destination point via another BP GEM facility; from a BP GEM facility to the designated destination point via the contractor's facility, or any combination thereof. The non-hazardous well purgewater is and remains the property of BP GEM Oil Company.

This Source Record BILL OF LADING was initiated to cover the recovery of non-hazardous well purgewater from wells at the BP GEM Oil Company facility described below:

Station # 11117

Station Address 72 10 Bancroft Oakland, CA

Total Gallons Collected From Groundwater Monitoring Wells: 101

Added Equipment Rinse Water \_\_\_\_\_ Any Other Adjustments \_\_\_\_\_

TOTAL GALS. RECOVERED 101 loaded onto Stratus vehicle # \_\_\_\_\_

Stratus Project # \_\_\_\_\_ time \_\_\_\_\_ date 0915 5125107

Signature Vine Zolotto

\*\*\*\*\* RECEIVED AT \_\_\_\_\_ time \_\_\_\_\_ date

5786 Unloaded by \_\_\_\_\_ time 1111 05125107 Signature Vine Zolotto



Global ID: T0600100201  
 Site Address 7210 Bancroft  
 City Oakland, CA  
 Sampled By: VinceZ

ORIGINAL

Site Number 11117  
 Project No \_\_\_\_\_  
 Project PM \_\_\_\_\_  
 Date 5-25-07

Signature VZ Date: 5-25-07

Water Level Data					Purge Volume Calculations					Well Purge Method				Sample Record			Field Data
Well ID	Time	Depth to water feet	Top of Screen feet	Qtr. Meas. Depth of Well (feet)	Casing Water Column (A)	Well Diameter (Inches)	Multiplier Value (B)	Three Casing Volumes (Gallons)	Actual Water Purged (Gallons)	No Purge	Bailer	Pump	Other	DTW At Sample Time	Sample I.D.	Sample time	Dissolved Oxygen (ppm)
MW-1	0554	15.59		36.30		2											
MW-2	0620	16.80		39.28	22.48	2	.5	11.24	11					17.64	MW-1		
MW-3	0523	15.94		40.42		2									MW-2	0708	1.0
* MW-4	0623	16.65		39.07	22.42	2	.5	11.21	11		X			16.95	MW-3		
MW-5						2									* MW-4	0741	1.13
MW-6	0517	16.38		39.30		2									MW-4		
MW-7	0559	17.20		44.52	27.32	2	.5	13.66	13.5		X			29.00	MW-6		
MW-8	0530	16.11		39.36		2									MW-7	0820	1.13
MW-9	0544	17.28		38.90		2									MW-8		
MW-10	0536	18.15		35.50	17.35	2	.5	8.67			X				MW-9		
EX-1		17.23	17.23	35.15		4								22.02	MW-10	0902	0.51
EX-2				35.15		4									EX-1		
															EX-2		
TB 11117 05 25 2007														TB 11117 05 25 2007			0729
EX-1	0621	17.04		37.95	20.91	4"	2	41.82	21 - Dry		X			31.88	EX-1	0715	2.96 0.836
EX-2	DTP	17.22		35.19													
0615	PTW	17.23		35.19	17.92	4"	2	35.84	3/2		X			19.00	EX-2	0827	2.99

Collect 3 extra HCl voas from MW-4 and also look for and bail if needed any FP  
 MW-4, EX-1 & EX-2 use Interface probe

Multiplier Values  
 2" = 0.5 3" = 1.0 4" = 2.0 6" = 4.4



Site Address 7210 Bancroft  
 City Oakland, CA  
 Sampled By: VinceZ

Site Number 11117  
 Project No \_\_\_\_\_  
 Project PM \_\_\_\_\_  
 Date 5-26-07

ORIGINAL

03

Well ID MW-1					Well ID Sheen MW-2 0708				
purge start time					purge start time BAUER O2OR				
time	Temp C	pH	cond	gallons	time	Temp C	pH	cond	gallons
time					time	20.0	6.70	619	0
time					time	19.7	6.90	580	5.5
time					time	19.3	6.83	574	11
time					time				
purge stop time					purge stop time ORP (-7)				
Well ID MW-3					Well ID Sheen *MW-4 0741				
purge start time					purge start time BAUER O2OR				
time	Temp C	pH	cond	gallons	time	Temp C	pH	cond	gallons
time					time	19.2	6.74	667	0
time					time	20.3	6.76	679	5
time					time	19.7	6.82	687	11
time					time				
purge stop time					purge stop time ORP (36)				
Well ID MW-5					Well ID MW-6				
Purge start time					Purge start time				
time	Temp C	pH	cond	gallons	time	Temp C	pH	cond	gallons
time					time				
time					time				
time					time				
time					time				
purge stop time					purge stop time				
Well ID MW-7 0820					Well ID MW-8				
purge start time BAUER O2OR					purge start time				
time	Temp C	pH	cond	gallons	time	Temp C	pH	cond	gallons
time	20.3	7.29	625	0	time				
time	<del>19.0</del> 20.8	7.24	603	6.5	time				
time	21.0	7.41	640	13.5	time				
time					time				
purge stop time ORP (126)					purge stop time				



Site Address 7210 Bancroft  
 City Oakland, CA  
 Sampled By: VinceZ

Site Number 11117  
 Project No \_\_\_\_\_  
 Project PM \_\_\_\_\_  
 Date 5-25-07

ORIGINAL

53

Well ID MW-9					Well ID MW-10 0902				
purge start time					purge start time <u>Boiler No Odor</u>				
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons
time					time	20.1	6.83	819	8
time					time	21.3	6.85	826	4
time					time	21.0	7.00	799	8.5
time					time				
purge stop time					purge stop time <u>ORP (-204)</u>				
Well ID EX-1 0715					Well ID EX-2 0827				
purge start time <u>0613</u>					purge start time <u>0757</u> <u>ODOR</u>				
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons
time	20.0	6.68	686	8	time	19.4	7.81	349	Q
time	20.3	6.87	613	20	time	20.3	7.31	348	18
time	<u>DRY @ 20 gal. (20)</u>			(20)	time	19.2	7.30	345	36
time	19.4	6.95	629	(21)	time				
purge stop time <u>ORP (-18) (28)</u>					purge stop time <u>ORP (179)</u>				
Well ID 0					Well ID TB 11117 05 25 2007				
Purge start time					Purge start time				
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons
time					time				
time					time				
time					time				
time					time				
purge stop time					purge stop time				
Well ID 0					Well ID 0				
purge start time					purge start time				
	Temp C	pH	cond	gallons		Temp C	pH	cond	gallons
time					time				
time					time				
time					time				
time					time				
purge stop time					purge stop time				





## Chain of Custody Record

Project Name: ARCO 11117  
 BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 11117  
 State or Lead Regulatory Agency: \_\_\_\_\_  
 Requested Due Date (mm/dd/yy): 5/11/07

**ORIGINAL**

On-site Time: <u>0430</u>	Temp: <u>60's</u>
Off-site Time: <u>0920</u>	Temp: <u>70's</u>
Sky Conditions: <u>clear / High Fog</u>	
Meteorological Events: <u>N/A</u>	
Wind Speed: _____	Direction: _____

Lab Name: <u>TestAmerica</u>	BP/AR Facility No.: <u>11117</u>	Consultant/Contractor: <u>Stratus Environmental, Inc.</u>
Address: <u>885 Jarvis Drive</u>	BP/AR Facility Address: <u>7210 Bancroft, 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>T0600100201</u>	Consultant/Contractor Project No.: _____
Tele/Fax: <u>408-782-8156 408-782-6308 (fax)</u>	Enfos Project No.: <u>G07TK-0029</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>shayes@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 <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Methanol	GRO/BTEX/Oxy*	1,2-DCA	Ethanol	EDB	DRO						
1	MW-2	0708	0525	X				3				X	X	X	X	X								
2	MW-4	0741						6				X	X	X	X	X								
3	MW-7	0810						3				X	X	X	X	X								
4	MW-10	0902						3				X	X	X	X	X								
5	EX-1	0715						3				X	X	X	X	X								
6	EX-2	0827	0525	X				3				X	X	X	X	X								
7																								
8	TB-11117-05232007	0729	0525	X				2																HOLD
9																								
10																								

Sampler's Name: <u>Vince Zalutka</u>	Relinquished By / Affiliation: <u>Vince Zalutka</u>	Date: <u>5-25-07</u>	Time: <u>1050</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>5/25/07</u>	Time: <u>1050</u>
Sampler's Company: <u>Stratus Env.</u>						
Shipment Date: <u>5-25-07</u>						
Shipment Method: <u>STRATUS</u>						
Shipment Tracking No: _____						

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

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

12 June, 2007

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

RE: BP Heritage #11117, Oakland, CA  
Work Order: MQE1002

Enclosed are the results of analyses for samples received by the laboratory on 05/25/07 19:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Lisa Race  
Senior Project Manager

CA ELAP Certificate # 1210

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 #11117, Oakland, CA Project Number: G07TK-0029 Project Manager: Jay Johnson	MQE1002 Reported: 06/12/07 16:32
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	MQE1002-01	Water	05/25/07 07:08	05/25/07 19:50
MW-4	MQE1002-02	Water	05/25/07 07:41	05/25/07 19:50
MW-7	MQE1002-03	Water	05/25/07 08:20	05/25/07 19:50
MW-10	MQE1002-04	Water	05/25/07 09:02	05/25/07 19:50
EX-1	MQE1002-05	Water	05/25/07 07:15	05/25/07 19:50
EX-2	MQE1002-06	Water	05/25/07 08:27	05/25/07 19:50
TB-11117-05232007	MQE1002-07	Water	05/25/07 07:29	05/25/07 19:50

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 #11117, Oakland, CA  
Project Number: G07TK-0029  
Project Manager: Jay Johnson

MQE1002  
Reported:  
06/12/07 16:32

**Total Purgeable Hydrocarbons by GC/MS (CA LUFT)**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-2 (MQE1002-01) Water</b> Sampled: 05/25/07 07:08 Received: 05/25/07 19:50									
<b>Gasoline Range Organics (C4-C12)</b>	<b>62000</b>	<b>20000</b>	ug/l	400	7F04005	06/04/07	06/04/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		92 %	60-125		"	"	"	"	
Surrogate: Dibromofluoromethane		95 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		95 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95 %	60-135		"	"	"	"	
<b>MW-4 (MQE1002-02) Water</b> Sampled: 05/25/07 07:41 Received: 05/25/07 19:50									
<b>Gasoline Range Organics (C4-C12)</b>	<b>37000</b>	<b>20000</b>	ug/l	400	7F04005	06/04/07	06/04/07	LUFT GCMS	
Surrogate: 1,2-Dichloroethane-d4		95 %	60-125		"	"	"	"	
Surrogate: Dibromofluoromethane		90 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		93 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92 %	60-135		"	"	"	"	
<b>MW-7 (MQE1002-03) Water</b> Sampled: 05/25/07 08:20 Received: 05/25/07 19:50									
<b>Gasoline Range Organics (C4-C12)</b>	<b>70</b>	<b>50</b>	ug/l	1	7F05023	06/05/07	06/06/07	LUFT GCMS	PV
Surrogate: 1,2-Dichloroethane-d4		99 %	60-125		"	"	"	"	
Surrogate: Dibromofluoromethane		96 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		87 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92 %	60-135		"	"	"	"	
<b>MW-10 (MQE1002-04) Water</b> Sampled: 05/25/07 09:02 Received: 05/25/07 19:50									
<b>Gasoline Range Organics (C4-C12)</b>	<b>130</b>	<b>50</b>	ug/l	1	7F05023	06/05/07	06/06/07	LUFT GCMS	PV
Surrogate: 1,2-Dichloroethane-d4		103 %	60-125		"	"	"	"	
Surrogate: Dibromofluoromethane		94 %	75-120		"	"	"	"	
Surrogate: Toluene-d8		92 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90 %	60-135		"	"	"	"	

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

Project: BP Heritage #11117, Oakland, CA  
Project Number: G07TK-0029  
Project Manager: Jay Johnson

MQE1002  
Reported:  
06/12/07 16:32

**Total Purgeable Hydrocarbons by GC/MS (CA LUFT)**

**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>EX-1 (MQE1002-05) Water</b> Sampled: 05/25/07 07:15 Received: 05/25/07 19:50									
<b>Gasoline Range Organics (C4-C12)</b>	<b>8600</b>	<b>5000</b>	ug/l	100	7F04005	06/04/07	06/04/07	LUFT GCMS	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92 %	60-125		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		92 %	75-120		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		92 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92 %	60-135		"	"	"	"	
<b>EX-2 (MQE1002-06) Water</b> Sampled: 05/25/07 08:27 Received: 05/25/07 19:50									
<b>Gasoline Range Organics (C4-C12)</b>	<b>ND</b>	<b>50</b>	ug/l	1	7F04005	06/04/07	06/04/07	LUFT GCMS	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	60-125		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		98 %	75-120		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		92 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		89 %	60-135		"	"	"	"	



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

Project: BP Heritage #11117, Oakland, CA  
Project Number: G07TK-0029  
Project Manager: Jay Johnson

MQE1002  
Reported:  
06/12/07 16:32

**Volatile Organic Compounds by EPA Method 8260B**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-2 (MQE1002-01) Water</b> Sampled: 05/25/07 07:08 Received: 05/25/07 19:50									
tert-Amyl methyl ether	ND	200	ug/l	400	7F04005	06/04/07	06/04/07	EPA 8260B	
<b>Benzene</b>	<b>7400</b>	200	"	"	"	"	"	"	
tert-Butyl alcohol	ND	8000	"	"	"	"	"	"	
Di-isopropyl ether	ND	200	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	200	"	"	"	"	"	"	
1,2-Dichloroethane	ND	200	"	"	"	"	"	"	
Ethanol	ND	120000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	200	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>4100</b>	200	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>3400</b>	200	"	"	"	"	"	"	
<b>Toluene</b>	<b>9500</b>	200	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>15000</b>	200	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		95 %	75-120		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92 %	60-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		95 %	60-135		"	"	"	"	
<b>MW-4 (MQE1002-02) Water</b> Sampled: 05/25/07 07:41 Received: 05/25/07 19:50									
tert-Amyl methyl ether	ND	200	ug/l	400	7F04005	06/04/07	06/04/07	EPA 8260B	
<b>Benzene</b>	<b>5100</b>	200	"	"	"	"	"	"	
tert-Butyl alcohol	ND	8000	"	"	"	"	"	"	
Di-isopropyl ether	ND	200	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	200	"	"	"	"	"	"	
1,2-Dichloroethane	ND	200	"	"	"	"	"	"	
Ethanol	ND	120000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	200	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>2800</b>	200	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>3500</b>	200	"	"	"	"	"	"	
<b>Toluene</b>	<b>1200</b>	200	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>6900</b>	200	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		90 %	75-120		"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95 %	60-125		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		93 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92 %	60-135		"	"	"	"	

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

Project: BP Heritage #11117, Oakland, CA  
Project Number: G07TK-0029  
Project Manager: Jay Johnson

MQE1002  
Reported:  
06/12/07 16:32

**Volatile Organic Compounds by EPA Method 8260B**

**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**MW-7 (MQE1002-03) Water** Sampled: 05/25/07 08:20 Received: 05/25/07 19:50

tert-Amyl methyl ether	ND	1.0	ug/l	2	7F04005	06/04/07	06/04/07	EPA 8260B	
Benzene	ND	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	ND	1.0	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>93</b>	1.0	"	"	"	"	"	"	
Toluene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane

88 % 75-120

" " " "

Surrogate: 1,2-Dichloroethane-d4

94 % 60-125

" " " "

Surrogate: Toluene-d8

92 % 80-120

" " " "

Surrogate: 4-Bromofluorobenzene

86 % 60-135

" " " "

**MW-10 (MQE1002-04) Water** Sampled: 05/25/07 09:02 Received: 05/25/07 19:50

tert-Amyl methyl ether	0.69	0.50	ug/l	1	7F05023	06/05/07	06/06/07	EPA 8260B	
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	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>170</b>	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	

Surrogate: Dibromofluoromethane

94 % 75-120

" " " "

Surrogate: 1,2-Dichloroethane-d4

103 % 60-125

" " " "

Surrogate: Toluene-d8

92 % 80-120

" " " "

Surrogate: 4-Bromofluorobenzene

90 % 60-135

" " " "

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

Project: BP Heritage #11117, Oakland, CA  
Project Number: G07TK-0029  
Project Manager: Jay Johnson

MQE1002  
Reported:  
06/12/07 16:32

**Volatile Organic Compounds by EPA Method 8260B**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**EX-1 (MQE1002-05) Water** Sampled: 05/25/07 07:15 Received: 05/25/07 19:50

tert-Amyl methyl ether	ND	50	ug/l	100	7F04005	06/04/07	06/04/07	EPA 8260B	
<b>Benzene</b>	<b>2100</b>	50	"	"	"	"	"	"	
tert-Butyl alcohol	ND	2000	"	"	"	"	"	"	
Di-isopropyl ether	ND	50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	50	"	"	"	"	"	"	
Ethanol	ND	30000	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	50	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>700</b>	50	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>890</b>	50	"	"	"	"	"	"	
<b>Toluene</b>	<b>88</b>	50	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>1400</b>	50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		92 %		75-120	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92 %		60-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		92 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		92 %		60-135	"	"	"	"	

**EX-2 (MQE1002-06) Water** Sampled: 05/25/07 08:27 Received: 05/25/07 19:50

tert-Amyl methyl ether	ND	0.50	ug/l	1	7F04005	06/04/07	06/04/07	EPA 8260B	
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	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>10</b>	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>ND</b>	0.50	"	"	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		98 %		75-120	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %		60-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		92 %		80-120	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		89 %		60-135	"	"	"	"	

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

Project: BP Heritage #11117, Oakland, CA  
Project Number: G07TK-0029  
Project Manager: Jay Johnson

MQE1002  
Reported:  
06/12/07 16:32

**Total Purgeable Hydrocarbons by GC/MS (CA LUFT) - Quality Control**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7F04005 - EPA 5030B P/T / LUFT GCMS**

**Blank (7F04005-BLK1)**

Prepared & Analyzed: 06/04/07

Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.42		"	2.50		97	60-125			
Surrogate: Dibromofluoromethane	2.41		"	2.50		96	75-120			
Surrogate: Toluene-d8	2.35		"	2.50		94	80-120			
Surrogate: 4-Bromofluorobenzene	2.27		"	2.50		91	60-135			

**Laboratory Control Sample (7F04005-BS2)**

Prepared & Analyzed: 06/04/07

Gasoline Range Organics (C4-C12)	417	50	ug/l	500		83	65-120			
Surrogate: 1,2-Dichloroethane-d4	2.31		"	2.50		92	60-125			
Surrogate: Dibromofluoromethane	2.25		"	2.50		90	75-120			
Surrogate: Toluene-d8	2.42		"	2.50		97	80-120			
Surrogate: 4-Bromofluorobenzene	2.42		"	2.50		97	60-135			

**Laboratory Control Sample Dup (7F04005-BSD2)**

Prepared & Analyzed: 06/04/07

Gasoline Range Organics (C4-C12)	417	50	ug/l	500		83	65-120	0	20	
Surrogate: 1,2-Dichloroethane-d4	2.35		"	2.50		94	60-125			
Surrogate: Dibromofluoromethane	2.42		"	2.50		97	75-120			
Surrogate: Toluene-d8	2.44		"	2.50		98	80-120			
Surrogate: 4-Bromofluorobenzene	2.44		"	2.50		98	60-135			

**Batch 7F05023 - EPA 5030B P/T / LUFT GCMS**

**Blank (7F05023-BLK1)**

Prepared: 06/05/07 Analyzed: 06/06/07

Gasoline Range Organics (C4-C12)	ND	50	ug/l							
Surrogate: 1,2-Dichloroethane-d4	2.25		"	2.50		90	60-125			
Surrogate: Dibromofluoromethane	2.40		"	2.50		96	75-120			
Surrogate: Toluene-d8	2.30		"	2.50		92	80-120			
Surrogate: 4-Bromofluorobenzene	2.41		"	2.50		96	60-135			

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

Project: BP Heritage #11117, Oakland, CA  
Project Number: G07TK-0029  
Project Manager: Jay Johnson

MQE1002  
Reported:  
06/12/07 16:32

**Total Purgeable Hydrocarbons by GC/MS (CA LUFT) - Quality Control**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7F05023 - EPA 5030B P/T / LUFT GCMS**

**Laboratory Control Sample (7F05023-BS2)**

Prepared & Analyzed: 06/05/07

Gasoline Range Organics (C4-C12)	466	50	ug/l	500		93	65-120			
Surrogate: 1,2-Dichloroethane-d4	2.25		"	2.50		90	60-125			
Surrogate: Dibromofluoromethane	2.44		"	2.50		98	75-120			
Surrogate: Toluene-d8	2.38		"	2.50		95	80-120			
Surrogate: 4-Bromofluorobenzene	2.59		"	2.50		104	60-135			

**Laboratory Control Sample Dup (7F05023-BSD2)**

Prepared & Analyzed: 06/05/07

Gasoline Range Organics (C4-C12)	449	50	ug/l	500		90	65-120	4	20	
Surrogate: 1,2-Dichloroethane-d4	2.56		"	2.50		102	60-125			
Surrogate: Dibromofluoromethane	2.28		"	2.50		91	75-120			
Surrogate: Toluene-d8	2.27		"	2.50		91	80-120			
Surrogate: 4-Bromofluorobenzene	2.41		"	2.50		96	60-135			

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

Project: BP Heritage #11117, Oakland, CA  
Project Number: G07TK-0029  
Project Manager: Jay Johnson

MQE1002  
Reported:  
06/12/07 16:32

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7F04005 - EPA 5030B P/T / EPA 8260B**

**Blank (7F04005-BLK1)**

Prepared & Analyzed: 06/04/07

tert-Amyl methyl ether	ND	0.50	ug/l							
Benzene	ND	0.50	"							
tert-Butyl alcohol	ND	5.0	"							
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>	2.41		"	2.50		96	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.42		"	2.50		97	60-125			
<i>Surrogate: Toluene-d8</i>	2.35		"	2.50		94	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.27		"	2.50		91	60-135			

**Laboratory Control Sample (7F04005-BS1)**

Prepared & Analyzed: 06/04/07

tert-Amyl methyl ether	9.61	0.50	ug/l	10.0		96	65-135			
Benzene	9.71	0.50	"	10.0		97	75-120			
tert-Butyl alcohol	199	5.0	"	200		100	60-135			
Di-isopropyl ether	9.55	0.50	"	10.0		96	70-130			
1,2-Dibromoethane (EDB)	10.1	0.50	"	10.0		101	80-135			
1,2-Dichloroethane	9.51	0.50	"	10.0		95	70-125			
Ethanol	221	300	"	200		110	15-150			
Ethyl tert-butyl ether	9.33	0.50	"	10.0		93	65-130			
Ethylbenzene	10.2	0.50	"	10.0		102	75-120			
Methyl tert-butyl ether	9.58	0.50	"	10.0		96	50-140			
Toluene	9.74	0.50	"	10.0		97	75-120			
Xylenes (total)	30.9	0.50	"	30.0		103	75-120			
<i>Surrogate: Dibromofluoromethane</i>	2.38		"	2.50		95	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.37		"	2.50		95	60-125			
<i>Surrogate: Toluene-d8</i>	2.48		"	2.50		99	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.45		"	2.50		98	60-135			



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3330 Cameron Park Dr., Suite 550  
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Project: BP Heritage #11117, Oakland, CA  
Project Number: G07TK-0029  
Project Manager: Jay Johnson

MQE1002  
Reported:  
06/12/07 16:32

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7F04005 - EPA 5030B P/T / EPA 8260B**

Matrix Spike (7F04005-MS1)	Source: MQE1034-06			Prepared & Analyzed: 06/04/07						
tert-Amyl methyl ether	10.1	0.50	ug/l	10.0	0.50	96	65-135			
Benzene	9.53	0.50	"	10.0	ND	95	75-120			
tert-Butyl alcohol	204	5.0	"	200	ND	102	60-135			
Di-isopropyl ether	9.98	0.50	"	10.0	ND	100	70-130			
1,2-Dibromoethane (EDB)	10.7	0.50	"	10.0	ND	107	80-135			
1,2-Dichloroethane	9.71	0.50	"	10.0	ND	97	70-125			
Ethanol	193	300	"	200	ND	96	15-150			
Ethyl tert-butyl ether	9.76	0.50	"	10.0	ND	98	65-130			
Ethylbenzene	9.80	0.50	"	10.0	ND	98	75-120			
Methyl tert-butyl ether	9.93	0.50	"	10.0	ND	99	50-140			
Toluene	9.61	0.50	"	10.0	ND	96	75-120			
Xylenes (total)	30.3	0.50	"	30.0	ND	101	75-120			
<i>Surrogate: Dibromofluoromethane</i>	2.46		"	2.50		98	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.36		"	2.50		94	60-125			
<i>Surrogate: Toluene-d8</i>	2.38		"	2.50		95	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.49		"	2.50		100	60-135			

Matrix Spike Dup (7F04005-MSD1)	Source: MQE1034-06			Prepared & Analyzed: 06/04/07						
tert-Amyl methyl ether	9.79	0.50	ug/l	10.0	0.50	93	65-135	3	25	
Benzene	9.62	0.50	"	10.0	ND	96	75-120	0.9	20	
tert-Butyl alcohol	200	5.0	"	200	ND	100	60-135	2	25	
Di-isopropyl ether	9.69	0.50	"	10.0	ND	97	70-130	3	25	
1,2-Dibromoethane (EDB)	10.3	0.50	"	10.0	ND	103	80-135	4	30	
1,2-Dichloroethane	9.44	0.50	"	10.0	ND	94	70-125	3	25	
Ethanol	215	300	"	200	ND	108	15-150	11	25	
Ethyl tert-butyl ether	9.78	0.50	"	10.0	ND	98	65-130	0.2	25	
Ethylbenzene	9.74	0.50	"	10.0	ND	97	75-120	0.6	20	
Methyl tert-butyl ether	9.62	0.50	"	10.0	ND	96	50-140	3	25	
Toluene	9.64	0.50	"	10.0	ND	96	75-120	0.3	25	
Xylenes (total)	30.1	0.50	"	30.0	ND	100	75-120	0.7	20	
<i>Surrogate: Dibromofluoromethane</i>	2.47		"	2.50		99	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.30		"	2.50		92	60-125			
<i>Surrogate: Toluene-d8</i>	2.41		"	2.50		96	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.43		"	2.50		97	60-135			

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

Project: BP Heritage #11117, Oakland, CA  
Project Number: G07TK-0029  
Project Manager: Jay Johnson

MQE1002  
Reported:  
06/12/07 16:32

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7F05023 - EPA 5030B P/T / EPA 8260B**

**Blank (7F05023-BLK1)**

Prepared: 06/05/07 Analyzed: 06/06/07

tert-Amyl methyl ether	ND	0.50	ug/l							
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>	2.40		"	2.50		96	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.25		"	2.50		90	60-125			
<i>Surrogate: Toluene-d8</i>	2.30		"	2.50		92	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.41		"	2.50		96	60-135			

**Laboratory Control Sample (7F05023-BS1)**

Prepared & Analyzed: 06/05/07

tert-Amyl methyl ether	9.43	0.50	ug/l	10.0		94	65-135			
Benzene	9.47	0.50	"	10.0		95	75-120			
tert-Butyl alcohol	184	20	"	200		92	60-135			
Di-isopropyl ether	9.53	0.50	"	10.0		95	70-130			
1,2-Dibromoethane (EDB)	9.78	0.50	"	10.0		98	80-135			
1,2-Dichloroethane	9.42	0.50	"	10.0		94	70-125			
Ethanol	210	300	"	200		105	15-150			
Ethyl tert-butyl ether	9.71	0.50	"	10.0		97	65-130			
Ethylbenzene	9.13	0.50	"	10.0		91	75-120			
Methyl tert-butyl ether	9.91	0.50	"	10.0		99	50-140			
Toluene	9.78	0.50	"	10.0		98	75-120			
Xylenes (total)	28.3	0.50	"	30.0		94	75-120			
<i>Surrogate: Dibromofluoromethane</i>	2.43		"	2.50		97	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.28		"	2.50		91	60-125			
<i>Surrogate: Toluene-d8</i>	2.49		"	2.50		100	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.32		"	2.50		93	60-135			

Stratus Environmental Inc. [Arco]  
3330 Cameron Park Dr., Suite 550  
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Project: BP Heritage #11117, Oakland, CA  
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Project Manager: Jay Johnson

MQE1002  
Reported:  
06/12/07 16:32

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**TestAmerica - Morgan Hill, CA**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 7F05023 - EPA 5030B P/T / EPA 8260B**

Matrix Spike (7F05023-MS2)	Source: MQE1002-03RE1			Prepared & Analyzed: 06/05/07						
tert-Amyl methyl ether	9.43	0.50	ug/l	10.0	ND	94	65-135			
Benzene	9.33	0.50	"	10.0	ND	93	75-120			
tert-Butyl alcohol	197	20	"	200	6.3	95	60-135			
Di-isopropyl ether	9.29	0.50	"	10.0	ND	93	70-130			
1,2-Dibromoethane (EDB)	9.64	0.50	"	10.0	ND	96	80-135			
1,2-Dichloroethane	9.16	0.50	"	10.0	ND	92	70-125			
Ethanol	191	300	"	200	ND	96	15-150			
Ethyl tert-butyl ether	9.32	0.50	"	10.0	ND	93	65-130			
Ethylbenzene	9.77	0.50	"	10.0	ND	98	75-120			
Methyl tert-butyl ether	92.6	0.50	"	10.0	85	76	50-140			BB
Toluene	9.91	0.50	"	10.0	ND	99	75-120			
Xylenes (total)	29.0	0.50	"	30.0	ND	97	75-120			
<i>Surrogate: Dibromofluoromethane</i>	2.36		"	2.50		94	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.37		"	2.50		95	60-125			
<i>Surrogate: Toluene-d8</i>	2.25		"	2.50		90	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.33		"	2.50		93	60-135			

Matrix Spike Dup (7F05023-MSD2)	Source: MQE1002-03RE1			Prepared: 06/05/07 Analyzed: 06/06/07						
tert-Amyl methyl ether	10.2	0.50	ug/l	10.0	ND	102	65-135	8	25	
Benzene	9.23	0.50	"	10.0	ND	92	75-120	1	20	
tert-Butyl alcohol	204	20	"	200	6.3	99	60-135	3	25	
Di-isopropyl ether	9.96	0.50	"	10.0	ND	100	70-130	7	25	
1,2-Dibromoethane (EDB)	11.0	0.50	"	10.0	ND	110	80-135	13	30	
1,2-Dichloroethane	10.4	0.50	"	10.0	ND	104	70-125	13	25	
Ethanol	205	300	"	200	ND	102	15-150	7	25	
Ethyl tert-butyl ether	10.3	0.50	"	10.0	ND	103	65-130	10	25	
Ethylbenzene	9.57	0.50	"	10.0	ND	96	75-120	2	20	
Methyl tert-butyl ether	103	0.50	"	10.0	85	180	50-140	11	25	BB
Toluene	9.97	0.50	"	10.0	ND	100	75-120	0.6	25	
Xylenes (total)	28.0	0.50	"	30.0	ND	93	75-120	4	20	
<i>Surrogate: Dibromofluoromethane</i>	2.50		"	2.50		100	75-120			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	2.60		"	2.50		104	60-125			
<i>Surrogate: Toluene-d8</i>	2.36		"	2.50		94	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	2.36		"	2.50		94	60-135			

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

Project: BP Heritage #11117, Oakland, CA  
Project Number: G07TK-0029  
Project Manager: Jay Johnson

MQE1002  
Reported:  
06/12/07 16:32

**Notes and Definitions**

PV Hydrocarbon result partly due to individ. peak(s) in quant. range  
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

# Atlantic Richfield Company

bp  
A BP affiliated company

## Chain of Custody Record

Project Name: ARCO 11117  
 BP BU/AR Region/Enfos Segment: BP > Americas > West > Retail > Alameda > 11117  
 State or Lead Regulatory Agency: \_\_\_\_\_  
 Requested Due Date (mm/dd/yy): Std TAT

On-site Time: <u>0430</u>	Temp: <u>60's</u>
Off-site Time: <u>0920</u>	Temp: <u>70's</u>
Sky Conditions: <u>clear / High Fog</u>	
Meteorological Events: <u>N/A</u>	
Wind Speed: _____	Direction: _____

Lab Name: <u>TestAmerica</u>	BP/AR Facility No.: <u>11117</u>	Consultant/Contractor: <u>Stratus Environmental, Inc.</u>
Address: <u>885 Jarvis Drive</u>	BP/AR Facility Address: <u>7210 Bancroft, 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>T0600100201</u>	Consultant/Contractor Project No.: _____
Tele/Fax: <u>408-782-8156 408-782-6308 (fax)</u>	Enfos Project No.: <u>G07TK-0029</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>shayes@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 <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Methanol	CRO/BTEX/Oxy*	1,2-DCA	Ethanol	EDB	DRO				
			<u>2007</u>				<u>MQE/002</u>															
1	MW-2	<u>0700</u>	<u>0525</u>		X		<u>01</u>	3						X	X	X	X	X				
2	MW-4	<u>0741</u>					<u>02</u>	6						X	X	X	X	X				
3	MW-7	<u>0820</u>					<u>03</u>	3						X	X	X	X	X				
4	MW-10	<u>0902</u>					<u>04</u>	3						X	X	X	X	X				
5	EX-1	<u>0715</u>					<u>05</u>	3						X	X	X	X	X				
6	EX-2	<u>0827</u>	<u>0525</u>		X		<u>06</u>	3						X	X	X	X	X				
7																						
8	TB-11117-05232007	<u>0729</u>	<u>0525</u>		X		<u>07</u>	2														<u>HOLD</u>
9																						
10																						

Sampler's Name: <u>Vince Zalutka</u>	Relinquished By / Affiliation: <u>Vince Zalutka</u>	Date: <u>5/25/07</u>	Time: <u>1050</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>5/25/07</u>	Time: <u>1050</u>
Sampler's Company: <u>Stratus Env.</u>	<u>[Signature]</u>	<u>5/25/07</u>	<u>1645</u>	<u>[Signature]</u>	<u>5/25/07</u>	<u>1645</u>
Shipment Date: <u>5-25-07</u>	<u>[Signature]</u>	<u>5/25/07</u>	<u>1950</u>	<u>[Signature]</u>	<u>5/25/07</u>	<u>1950</u>
Shipment Method: <u>STRATUS</u>						
Shipment Tracking No: _____						

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

Custody Seals In Place: Yes/No /No  
 Temp Blank: Yes/No /No  
 Cooler Temp on Receipt: 4.0°F(C)  
 Trip Blank: Yes/No /No  
 MS/MSD Sample Submitted: Yes/No /No

## TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: Arco 11117  
 REC. BY (PRINT): A.M.  
 WORKORDER: MGE/002

DATE REC'D AT LAB: 5/25/07  
 TIME REC'D AT LAB: 1950  
 DATE LOGGED IN: 5/30/07

For Regulatory Purposes?  
 DRINKING WATER YES / NO  
 WASTE WATER YES / NO

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*								5/25/07 A.M. See COC
2. Chain-of-Custody <u>Present</u> / Absent*								
3. Traffic Reports or Packing List: Present / <u>Absent</u>								
4. Airbill: Airbill / Sticker Present / <u>Absent</u>								
5. Airbill #:								
6. Sample Labels: <u>Present</u> / Absent								
7. Sample IDs: <u>Listed</u> / Not Listed on Chain-of-Custody								
8. Sample Condition: <u>Intact</u> / Broken* / Leaking*								
9. Does information on chain-of-custody, traffic reports and sample labels agree? <u>Yes</u> / No*								
10. Sample received within hold time? <u>Yes</u> / No*								
11. Adequate sample volume received? <u>Yes</u> / No*								
12. Proper preservatives used? <u>Yes</u> / No*								
13. Trip <u>Blank</u> / Temp <u>Blank</u> Received? (circle which, if yes) <u>Yes</u> / No*								
14. Read Temp: <u>4.0°C</u> Corrected Temp: <u>↓</u> Is corrected temp 4 +/-2°C? <u>Yes</u> / No**								

(Acceptance range for samples requiring thermal pres.)  
 \*\*Exception (if any): METALS / DFF ON ICE or Problem COC

\*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

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**Submittal Title:** 2Q07 GEO\_WELL 11117  
**Facility Global ID:** T0600100201  
**Facility Name:** BP #11117  
**Submittal Date/Time:** 7/5/2007 1:26:56 PM  
**Confirmation Number:** 7897280633

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**Confirmation Number:** 1249917507

**Date/Time of Submittal:** 7/2/2007 1:35:08 PM

**Facility Global ID:** T0600100201

**Facility Name:** BP #11117

**Submittal Title:** 2Q07 GW Monitoring

**Submittal Type:** GW Monitoring Report

Click [here](#) to view the detections report for this upload.

<b>BP #11117</b> 7210 BANCROFT OAKLAND, CA 94605	<b>Regional Board - Case #: 01-0215</b> SAN FRANCISCO BAY RWQCB (REGION 2) <b>Local Agency (lead agency) - Case #: RO0000356</b> ALAMEDA COUNTY LOP - (SP)
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<u>CONF #</u>	<u>TITLE</u>	<u>QUARTER</u>	<u>SUBMITTED BY</u>	<u>SUBMIT DATE</u>	<u>STATUS</u>
1249917507	2Q07 GW Monitoring	Q2 2007	Broadbent & Associates, Inc.	7/2/2007	PENDING REVIEW

## SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	6
# FIELD POINTS WITH DETECTIONS	6
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	4
SAMPLE MATRIX TYPES	WATER

## METHOD QA/QC REPORT

METHODS USED	8260FA,8260TPH
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	N
- MATRIX SPIKE DUPLICATE	N
- 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 &gt; REPDL</u>
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

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