Atlantic Richfield Company
(a BP affiliated company)

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

25 April 2008

Re: First Quarter 2008 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

First Quarter 2008 Ground-Water Monitoring Report
Former BP Station #11117
7210 Bancroft Avenue
Oakland, California

Prepared for

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

Prepared by

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

1324 Mangrove Avenue, Suite 212
Chico, California 95926
(530) 566-1400
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25 April 2008

Project No. 06-08-649

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

25 April 2008

Project No. 06-08-649

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

Attn.: Mr. Paul Supple

Re: First Quarter 2008 Ground-Water Monitoring Report
Former BP Station #11117, 7210 Bancroft Avenue, Oakland, California
ACEH Case # RO0000356

Dear Mr. Supple:

Attached is the *First Quarter 2008 Ground-Water Monitoring Report* for Former BP Station #11117 located at 7210 Bancroft Avenue, Oakland, Alameda County, California (Site). This report presents a summary of the First Quarter 2008 ground-water monitoring results and recent developments concerning the Site.

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

Sincerely,

BROADBENT & ASSOCIATES, INC.

Thomas A. Venus, P.E.
Senior Engineer

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

Enclosures

cc: Mr. Paresh Khatri, Alameda County Environmental Health (Submitted via ACEH ftp site)
Ms. Shelby Lathrop, ConocoPhillips, 76 Broadway, Sacramento, CA 95818
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 (First Quarter 2008):

1. Prepared and submitted Fourth Quarter 2007 Ground-Water Monitoring Report.
2. Conducted ground-water monitoring/sampling for First Quarter 2008. Work performed by Stratus Environmental, Inc. (Stratus) on 11 and 12 February 2008.
3. Prepared and submitted an application to Bay Area Air Quality Management District (BAAQMD) requesting an authority to construct (ATC) permit. Application prepared and submitted by Stratus. Due to proximity to a nearby K-12 school, the ATC permit must go through a public notice comment period prior to BAAQMD approval.
4. Stratus met with PG&E regarding the electrical power drop and natural gas service to the Site.
5. Stratus held preliminary discussions with East Bay Municipal Utility District (EBMUD) regarding treated wastewater discharge. An EBMUD industrial discharge application will be submitted in Second Quarter 2008.

WORK PROPOSED FOR NEXT QUARTER (Second Quarter 2008):

1. Prepared and submitted First Quarter 2008 Ground-Water Monitoring Report (contained herein).
2. Conduct Second Quarter 2008 ground-water monitoring/sampling.
3. Continue DPE remediation system permitting and construction. Continue to provide monthly email updates of progress.

QUARTERLY RESULTS SUMMARY:

Current phase of project:	**Ground-Water Monitoring/Sampling/DPE Treatment System Construction**
Frequency of ground-water monitoring:	**Quarterly: MW-1, MW-3, MW-4, MW-6, MW-7, MW-8, MW-9, MW-10, EX-1, EX-2**
Frequency of ground-water sampling:	**Quarterly: EX-1, EX-2, MW-4, MW-7, MW-10** **Semi-annually (1Q and 3Q): MW-9** **Annually (1Q): MW-1, MW-3, MW-6, MW-8**
Is free product (FP) present on-site:	**Yes (MW-4, 0.01 ft)**
FP recovered this quarter:	**None**
Depth to ground water (below TOC):	**14.00 ft (MW-1 and MW-8) to 17.86 ft (MW-10)**
General ground-water flow direction:	**Northeast**
Approximate hydraulic gradient:	**0.02 ft/ft**

DISCUSSION:

First Quarter 2008 ground-water monitoring and sampling was conducted at Station #11117 on 11 and 12 February 2008 by Stratus. Water levels were gauged in the 16 wells at the Site on 11 February 2008. Sheen was observed in well EX-1 and separate phase hydrocarbons (SPH, or Free Product – FP) were observed in well MW-4 (0.01 ft). The lid for well MW-6 was found to be broken. Repair or replacement of the lid by Stratus personnel is currently pending. No other irregularities were noted during water level gauging. Depth to water measurements ranged from 14.00 ft at MW-1 and MW-8 to 17.86 ft at MW-10. Resulting ground-water surface elevations ranged from 24.44 feet above mean sea level in well MW-8 to 21.78 feet at well MW-7. 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 northeast at approximately 0.02 ft/ft, contrary to more recent gradient directions but generally within the historical range (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.

Generally consistent with the current ground-water sampling schedule, water samples were collected from wells MW-1 through MW-3, MW-6 through MW-11, DPE-1 through DPE-5, EX-1, and EX-2. Wells DPE-1 through DPE-5, EX-1, and EX-2 were sampled this quarter to provide further analytical results to aid with the design and installation of the remediation system. Wells DPE-4 and EX-1 ran dry prior to purging three wetted casing volumes of water. Well MW-4 was not sampled due to the presence of FP. A waste drum was not available onsite to bail the FP from well MW-4. No other irregularities were reported during sampling.

Samples were submitted under chain-of-custody protocol to Calscience Environmental Laboratories, Inc. (Garden Grove, California), for analysis of Gasoline Range Organics (GRO, C6-C12) by EPA Method 8015B; 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. No significant 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.

Concentrations of GRO were detected above the laboratory reporting limit in nine of the fifteen wells sampled at concentrations up to 100,000 micrograms per liter (µg/L) in well DPE-4. Benzene was detected above the laboratory reporting limit in eight of the fifteen wells sampled at concentrations up to 6,600 µg/L in well DPE-4. Toluene was detected above the laboratory reporting limit in seven of the fifteen wells sampled at concentrations up to 21,000 µg/L in well DPE-4. Ethylbenzene was detected above the laboratory reporting limit in nine of the fifteen wells sampled at concentrations up to 3,800 µg/L in well DPE-4. Total Xylenes were detected above the laboratory reporting limit in eight of the fifteen wells sampled at concentrations up to 22,000 µg/L in well DPE-4. TAME was detected above the laboratory reporting limit in two of the fifteen wells sampled at concentrations up to 55 µg/L in well DPE-4. TBA was detected above the laboratory reporting limit in four of the fifteen wells sampled at concentrations up to 3,900 µg/L in well DPE-1. MTBE was detected above the laboratory reporting limit in six of the fifteen wells sampled at concentrations up to 8,400 µg/L in well DPE-5. The remaining fuel additives and oxygenates were not detected above their laboratory reporting limits in the fifteen wells sampled this quarter.

Detected analyte concentrations were within the historic minimum and maximum ranges recorded for each well with the following exceptions: Detected MTBE and TBA concentrations in the sample collected from well MW-9 reached historic minimum values of <0.50 µg/L and 37 µg/L, respectively. 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. First Quarter 2008 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 Calscience Environmental Laboratories (Garden Grove, 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, 11 and 12 February 2008, Station #11117, 7210 Bancroft Avenue, Oakland, California

Drawing 2. Gasoline Range Organics Iso-Concentration Contours Map, 11 and 12 February 2008, Station #11117, 7210 Bancroft Avenue, Oakland, California

Drawing 3. Benzene Iso-Concentration Contours Map, 11 and 12 February 2008, Station #11117, 7210 Bancroft Avenue, Oakland, California

Drawing 4. MTBE Iso-Concentration Contours Map, 11 and 12 February 2008, Station #11117, 7210 Bancroft Avenue, Oakland, California

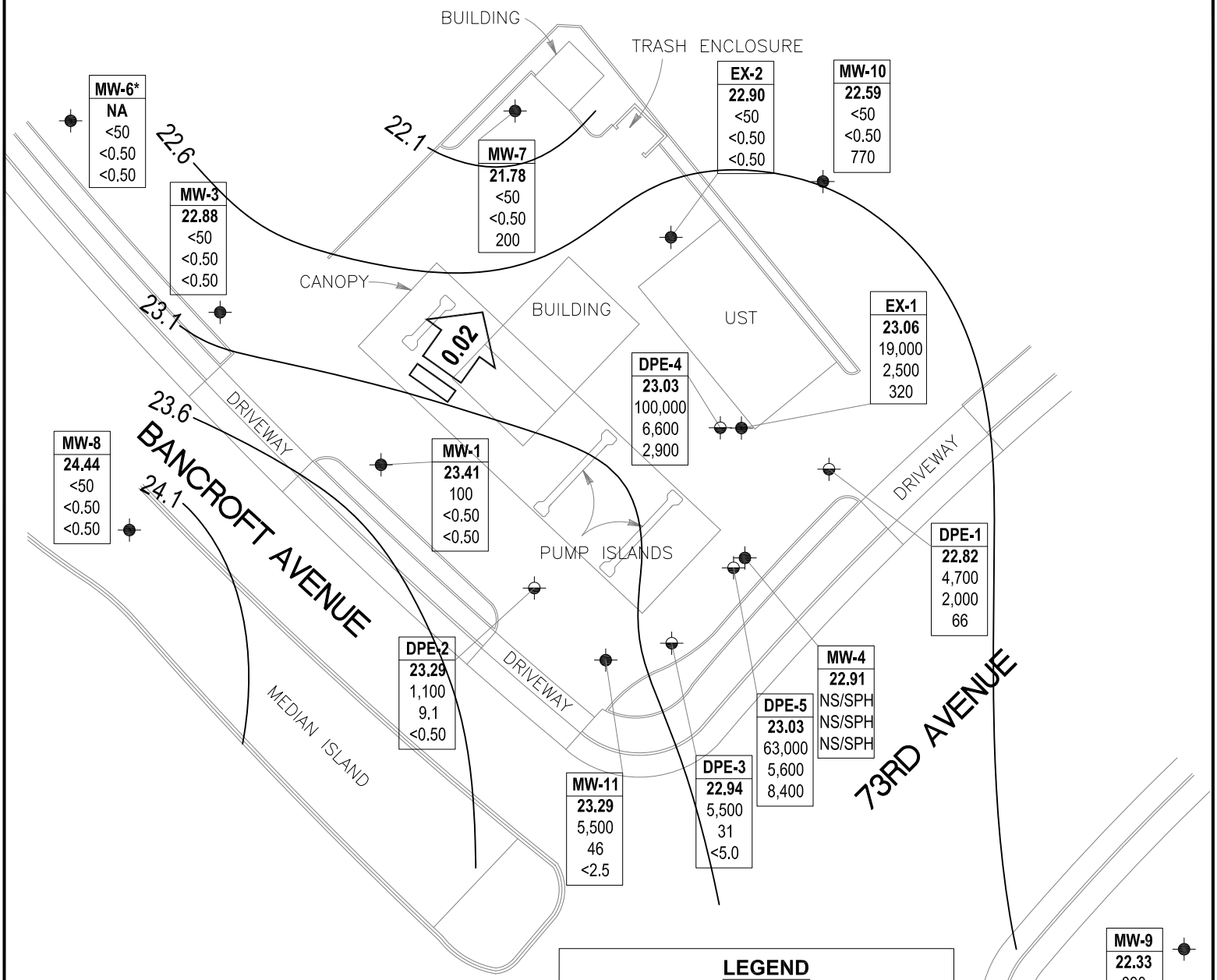
Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses, Station #11117, 7210 Bancroft Ave., Oakland, California

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

Table 3. Historical Ground-Water Flow Direction and Gradient, Station #11117, 7210 Bancroft Ave., Oakland, California

Appendix A. Stratus Ground-Water Sampling Data Package (Includes Field Data Sheets, Laboratory Analytical Report with Chain-of-Custody Documentation, and Field Procedures)

Appendix B. GeoTracker Upload Confirmation



LEGEND

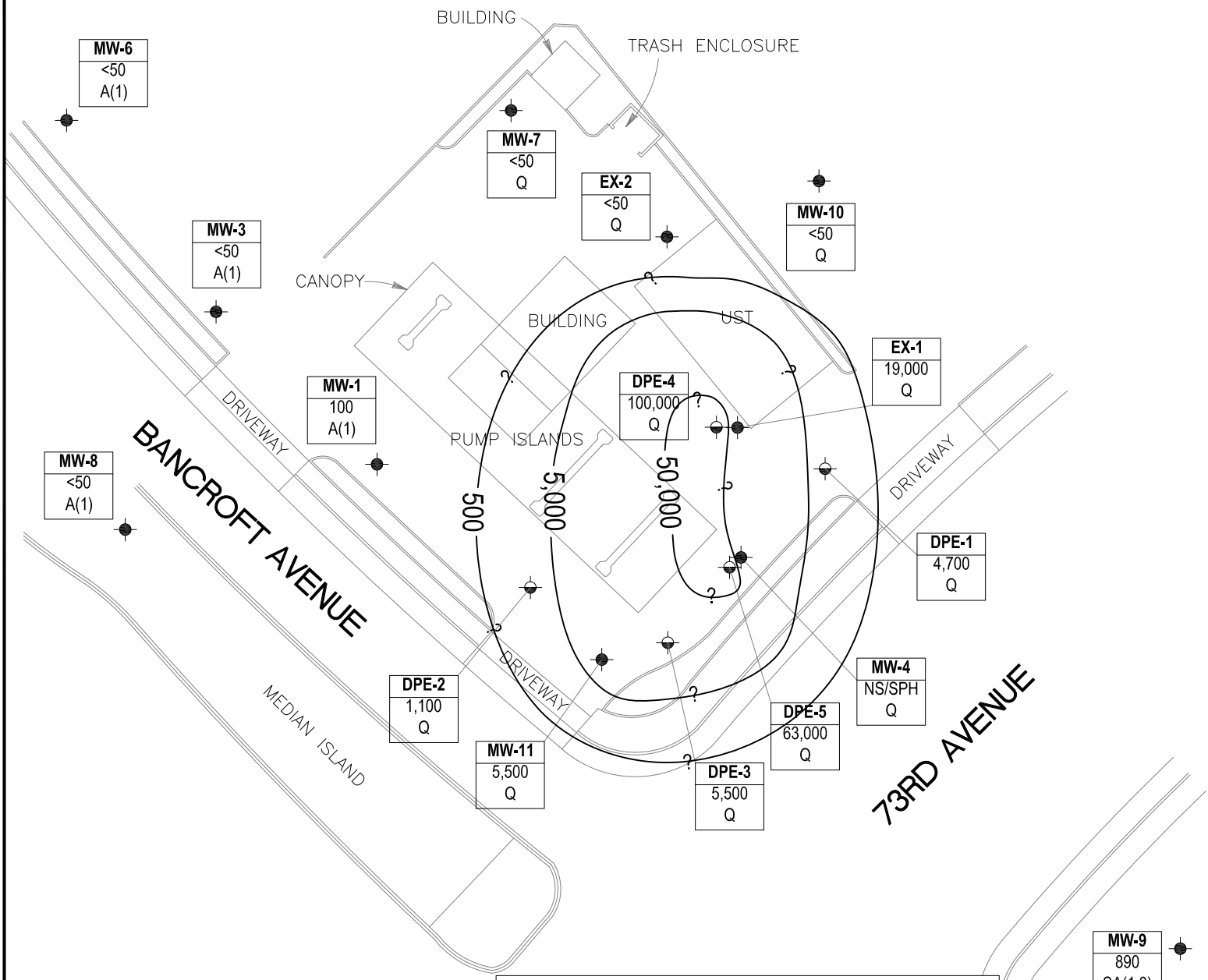
- Monitoring well location
- DPE well location
- Well designation
- Ground-water elevation (ft/MSL)
- GRO, Benzene and MTBE concentrations in micrograms per liter (µg/L)
- Ground-water flow gradient and direction (ft/ft)
- Ground-water elevation contour (ft/MSL)
- < Not detected at or above laboratory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

BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
1324 Mangrove Ave. Suite 212, Chico, California 95926
Project No.: 06-08-649 Date: 4/16/08

Station #11117
7210 Bancroft Avenue
Oakland, California

Ground-Water Elevation Contours
and Analytical Summary Map
11 and 12 February 2008

Drawing
1



LEGEND

- Monitoring well location
- DPE well location
- Well / GRO / A/Q/SA — Well designation; GRO concentrations in micrograms per liter (µg/L); Sampling frequency
- 5,000 — 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/SPH — Not sampled/Separate Phase Hydrocarbons
- ? — Contours within regions not bounded by monitoring points. All contours depicted are approximate.

N

0 40 80

SCALE (ft)

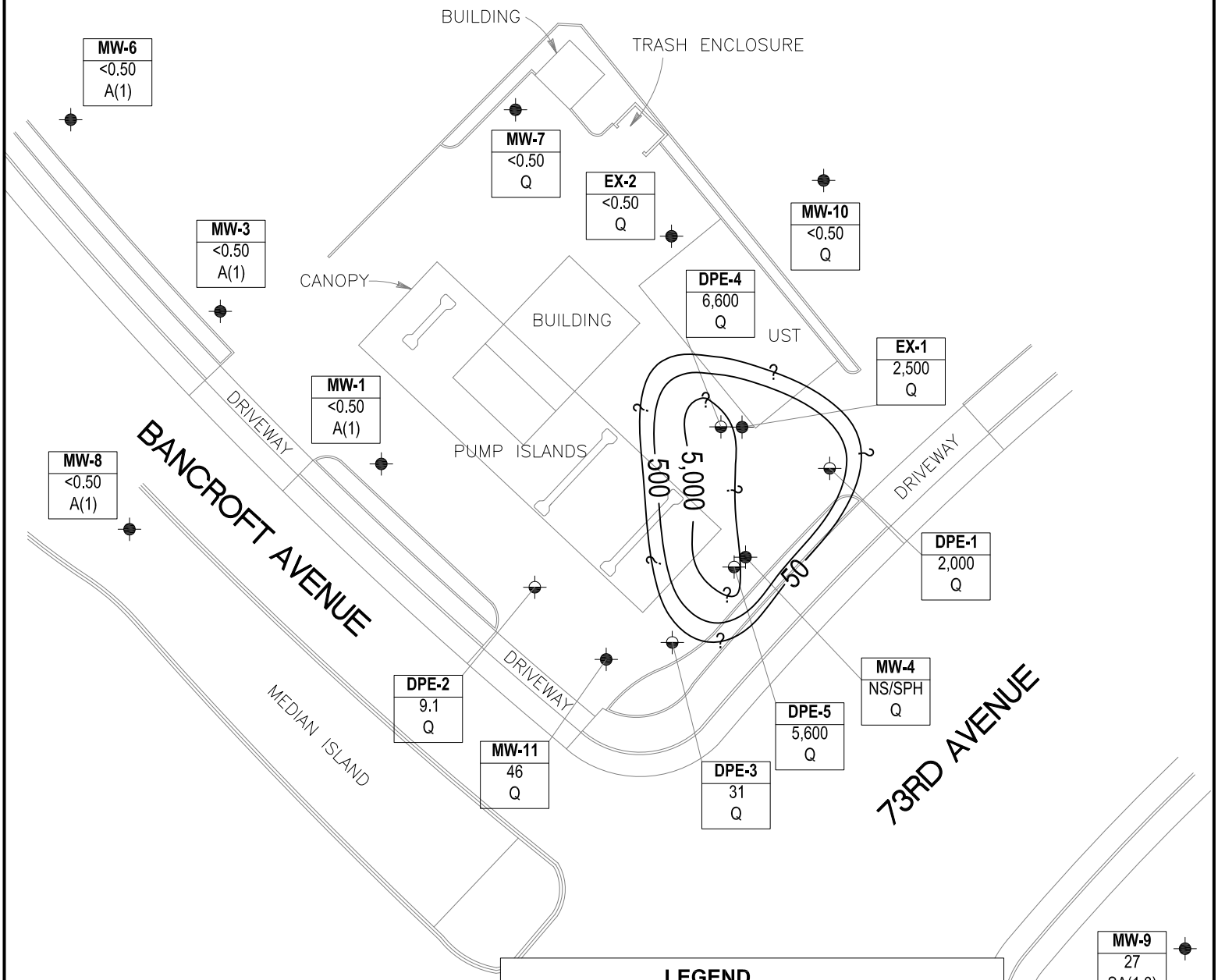
BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
1324 Mangrove Ave. Suite 212, Chico, California 95926

Project No.: 06-08-649 Date: 4/16/08

Station #11117
7210 Bancroft Avenue
Oakland, California

Gasoline Range Organics
Iso-Concentration Contours Map
11 and 12 February 2008

Drawing
2



LEGEND

- Monitoring well location
- DPE well location
- Well designation
- Benzene concentrations in micrograms per liter (µg/L)
- Sampling frequency

Well
Benzene
A/Q/SA

5,000	Approximate Benzene 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/SPH	Not sampled/Separate Phase Hydrocarbons
?	Contours within regions not bounded by monitoring points. All contours depicted are approximate.

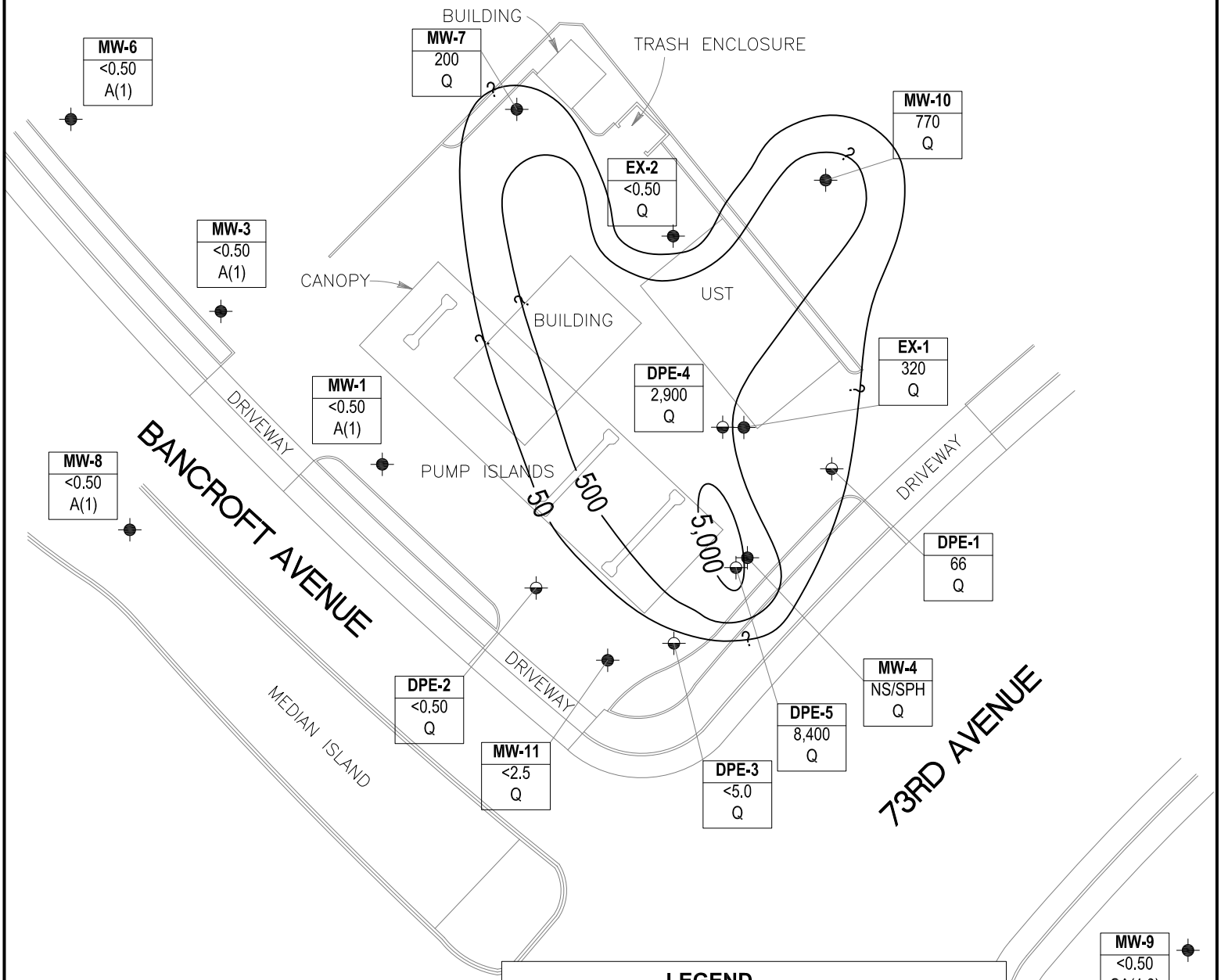
BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
1324 Mangrove Ave. Suite 212, Chico, California 95926

Project No.: 06-08-649 Date: 4/16/08

Station #11117
7210 Bancroft Avenue
Oakland, California

Benzene Iso-Concentration Contours Map
11 and 12 February 2008

Drawing
3



LEGEND

- Monitoring well location
- DPE well location
- Well / MTBE / A/Q/SA — Well designation; MTBE concentrations (12/14/2007) in micrograms per liter (µg/L); Sampling frequency
- * — Sample collected 11/9/2007
- 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/SPH — Not sampled/Separate Phase Hydrocarbons
- ? — Contours within regions not bounded by monitoring points. All contours depicted are approximate.

N

0 40 80

SCALE (ft)

BROADBENT & ASSOCIATES, INC.
ENGINEERING, WATER RESOURCES & ENVIRONMENTAL
1324 Mangrove Ave. Suite 212, Chico, California 95926

Project No.: 06-08-649 Date: 4/23/08

Station #11117
7210 Bancroft Avenue
Oakland, California

MTBE Iso-Concentration Contours Map
11 and 12 February 2008

Drawing
4

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)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE				
DPE-1															
12/14/2007	--	38.95	21.62	--	17.33	360	24	<0.50	3.4	<0.50	28	1.73	TAMC	--	z
2/12/2008	**P**	**38.95**	**16.13**	--	**22.82**	**4,700**	**2,000**	**310**	**130**	**360**	**66**	**0.59**	**CEL**	**6.87**	
DPE-2															
12/14/2007	--	37.64	20.09	--	17.55	2,500	1.2	0.99	12	32	0.71	1.78	TAMC	--	z
2/12/2008	**P**	**37.64**	**14.35**	--	**23.29**	**1,100**	**9.1**	**9.3**	**33**	**91**	**<0.50**	**1.32**	**CEL**	**7.13**	
DPE-3															
12/14/2007	--	37.82	20.45	--	17.37	13,000	1,800	840	830	1,200	770	1.14	TAMC	--	z
2/12/2008	**P**	**37.82**	**14.88**	--	**22.94**	**5,500**	**31**	**55**	**140**	**300**	**<5.0**	**1.33**	**CEL**	**7.10**	
DPE-4															
12/14/2007	--	38.46	21.00	--	17.46	510,000	12,000	27,000	4,900	27,000	8,000	1.79	TAMC	--	z
2/12/2008	**P**	**38.46**	**15.43**	--	**23.03**	**100,000**	**6,600**	**21,000**	**3,800**	**22,000**	**2,900**	**1.39**	**CEL**	**6.92**	
DPE-5															
12/14/2007	--	38.23	20.86	--	17.37	300,000	9,200	4,100	4,600	20,000	16,000	1.82	TAMC	--	z
2/12/2008	**P**	**38.23**	**15.20**	--	**23.03**	**63,000**	**5,600**	**2,200**	**3,400**	**12,000**	**8,400**	**1.09**	**CEL**	**6.86**	
EX-1															
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	--	14.22	--	--	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	

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)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
EX-1 Cont.															
8/9/2007	NP	--	19.76	--	--	4,800	870	40	230	460	530	0.26	TAMC	7.01	
11/9/2007	P	--	21.57	--	--	5,300	2,700	29	220	200	370	1.50	TAMC	7.12	
12/14/2007	--	38.98	21.60	--	17.38	--	--	--	--	--	--	--	--	--	z
2/12/2008	**P**	**38.98**	**15.92**	**--**	**23.06**	**19,000**	**2,500**	**<50**	**360**	**860**	**320**	**0.55**	**CEL**	**6.87**	
EX-2															
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	
8/9/2007	P	--	20.40	--	--	<50	<0.50	<0.50	<0.50	<0.50	27	1.14	TAMC	7.19	
11/9/2007	P	--	22.07	--	--	120	<0.50	0.53	0.57	2.7	140	4.01	TAMC	7.37	
12/14/2007	--	39.63	21.97	--	17.66	--	--	--	--	--	--	--	--	--	z
2/12/2008	**P**	**39.63**	**16.73**	**--**	**22.90**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**1.79**	**CEL**	**6.99**	
MW-1															
1/5/1992	--	49.80	33.16	--	16.64	57,000	2,400	1,000	1,100	3,100	--	--	--	--	
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	--	49.80	30.53	--	19.27	40,000	3,400	3,000	1,300	3,400	--	--	ANA	--	c

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)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-1 Cont.															
9/15/1992	--	--	--	--	--	36,000	3,800	3,400	1,400	3,800	--	--	ANA	--	d
12/15/1992	--	--	--	--	--	22,000	1,500	440	510	1,300	--	--	ANA	--	d
12/15/1992	--	49.80	31.26	--	18.54	27,000	1,700	580	700	1,900	--	--	ANA	--	c
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	--	49.80	25.01	--	24.79	750	0.8	0.8	<0.5	<0.5	--	--	PACE	--	l
6/7/1993	--	--	--	--	--	720	0.7	0.7	<0.5	<0.5	--	--	PACE	--	d, 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	--	49.80	28.66	--	21.14	27,000	2,000	400	940	2,600	13,558	--	PACE	--	e, l
12/27/1993	--	--	--	--	--	21,000	1,700	380	830	2,400	9,219	--	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,
4/5/1994	--	--	--	--	--	29,000	3,700	1,000	1,000	3,100	9,672	1.3	PACE	--	e,l, d
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	19.59	--	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	--	
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	--	--	--	--	--	--	--	--	--	

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)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE				
MW-1 Cont.															
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	22.32	--	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	--	
12/11/2000	--	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	--	PACE	--	
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	--	PACE	--	
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	--	--	--	--	--	--	--	--	--	
09/01/2005	--	49.80	15.79	--	34.01	--	--	--	--	--	--	--	--	--	
11/03/2005	--	49.80	18.55	--	31.25	--	--	--	--	--	--	--	--	--	
02/14/2006	P	49.80	12.29	--	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	--	--	--	--	--	--	--	--	--	

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)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE				
MW-1 Cont.															
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	--	--	--	--	--	--	--	--	--	
8/9/2007	--	49.80	18.38	--	31.42	--	--	--	--	--	--	--	--	--	
11/9/2007	--	49.80	20.00	--	29.80	--	--	--	--	--	--	--	--	--	
12/14/2007	--	37.41	19.83	--	17.58	--	--	--	--	--	--	--	--	--	z
2/12/2008	**P**	**37.41**	**14.00**	**--**	**23.41**	**100**	**<0.50**	**<0.50**	**0.55**	**<0.50**	**<0.50**	**3.66**	**CEL**	**7.13**	
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
11/8/1996	--	51.07	20.28	0.01	30.78	--	--	--	--	--	--	--	--	--	f

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Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-2 Cont.															
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	--	51.07	22.90	0.01	28.16	24,000	15,000	16,000	4,900	24,400	63,000	3.7	SPL	--	
7/1/1997	--	--	--	--	--	150,000	14,000	13,000	1,800	14,200	57,000	--	SPL	--	d
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	--	51.07	21.22	0.01	29.84	420,000	23,000	29,000	5,800	43,000	75,000	4.0	SPL	--	
1/9/1998	--	--	--	--	--	300,000	20,000	25,000	5,200	37,000	84,000	--	SPL	--	d
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	89000/95000	--	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
11/10/2003	P	51.07	20.80	--	30.27	97,000	12,000	9,500	3,600	15,000	4,200	--	SEQM	6.7	

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						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-2 Cont.															
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	
8/9/2007	P	51.07	19.55	SHEEN	31.52	58,000	7,400	5,000	3,800	12,000	4,100	0.72	TAMC	7.01	
11/9/2007	P	51.07	21.53	--	29.54	49,000	6,300	3,300	2,900	8,300	9,500	1.05	TAMC	7.10	aa
MW-3															
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	--	20.30	2,000	130	5.3	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	--	--	PACE	--	l
6/7/1993	--	49.95	25.80	--	24.15	150	3.6	<0.5	0.9	1.3	--	--	PACE	--	l
9/23/1993	--	49.95	29.18	--	20.77	--	--	--	--	--	--	--	--	--	
9/24/1993	--	49.95	--	--	--	160	8.4	<0.5	3.7	1.3	15.3	--	PACE	--	l
12/27/1993	--	49.95	29.25	--	20.70	9,400	1,100	48	530	120	2,871	--	PACE	--	e,l
4/5/1994	--	49.95	26.84	--	23.11	7,000	860	19	330	52	10,414	2.0	PACE	--	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)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE				
MW-3 Cont.															
7/22/1994	--	49.95	26.90	--	23.05	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.1	PACE	--	l
10/13/1994	--	49.95	27.83	--	22.12	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2.6	PACE	--	l
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	--	
11/8/1996	--	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	--	PACE	--	
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	--	PACE	--	
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	--	PACE	--	
12/27/2001	--	49.95	17.37	--	32.58	--	--	--	--	--	--	--	--	--	

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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)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-3 Cont.															
2/28/2002	--	49.95	15.81	--	34.14	<50	<0.5	<0.5	<0.5	<1.0	0.58	--	PACE	--	
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	--	--	--	--	--	--	--	--	--	
8/9/2007	--	49.95	18.70	--	31.25	--	--	--	--	--	--	--	--	--	
11/9/2007	--	49.95	20.27	--	29.68	--	--	--	--	--	--	--	--	--	
12/14/2007	--	37.56	20.21	--	17.35	--	--	--	--	--	--	--	--	--	z
2/11/2008	**P**	**37.56**	**14.68**	**--**	**22.88**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**2.40**	**CEL**	**7.00**	
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

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						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-4 Cont.															
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
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	--	50.76	27.33	--	23.43	85,000	10,000	20,000	3,200	13,000	796	0.8	PACE	--	l
7/22/1994	--	--	--	--	--	85,000	11,000	21,000	3,300	14,000	435	--	PACE	--	d, l
10/13/1994	--	--	--	--	--	51,000	7,400	13,000	2,100	9,100	773	--	PACE	--	d, l
10/13/1994	--	50.76	28.25	--	22.51	51,000	7,100	13,000	2,100	8,900	506	2.9	PACE	--	e,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	--	31.32	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	--	--	--	--	--	61,000	8,300	16,000	1,600	15,200	36,000	--	SPL	--	d
4/22/1996	--	50.76	19.13	--	31.63	40,000	5,100	9,600	980	11,800	29,000	3.2	SPL	--	
7/2/1996	--	--	--	--	--	78,000	9,800	21,000	1,900	15,300	42,000	--	SPL	--	d
7/2/1996	--	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	--	--	--	--	--	66,000	12,000	19,000	2,900	15,000	69,000	--	SPL	--	d
1/3/1997	--	50.76	20.54	--	30.22	99,000	17,000	30,000	4,300	22,700	79,000	4.2	SPL	--	
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	--	
7/1/1997	--	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	--	--	--	--	--	--	--	--	--	

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						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-4 Cont.															
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	--	
7/21/1998	--	50.76	16.10	--	34.66	250,000	11,000	26,000	5,500	26,900	29,000	3.7	SPL	--	
7/21/1998	--	--	--	--	--	210,000	11,000	27,000	5,600	26,800	29,000	--	SPL	--	d
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	7.1	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	1,530	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	

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						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-4 Cont.															
11/23/2004	P	50.76	18.02	--	32.74	7,400,000	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	
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	
8/9/2007	P	50.76	19.29	--	31.47	180,000	5,600	7,700	5,700	21,000	2,900	0.72	TAMC	7.02	y (XYLENES)
11/9/2007	P	50.76	21.27	SHEEN	29.49	110,000	3,300	2,400	3,600	13,000	1,200	0.73	TAMC	7.07	s
12/14/2007	--	38.35	21.10	--	17.25	--	--	--	--	--	--	--	--	--	z
2/11/2008	--	**38.35**	**15.45**	**0.01**	**22.91**	--	--	--	--	--	--	--	--	--	**f**
MW-6															
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	--	l
6/7/1993	--	50.32	26.33	--	23.99	<50	<0.5	<0.5	<0.5	1.5	--	--	PACE	--	l
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

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)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-6 Cont.															
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	--	
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	--	PACE	--	
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	

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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)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-6 Cont.															
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	n
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	
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	--	--	--	--	--	--	--	--	--	--	--	--	g
5/30/2006	--	50.32	--	--	--	--	--	--	--	--	--	--	--	--	g
8/29/2006	--	50.32	17.15	--	33.17	--	--	--	--	--	--	--	--	--	
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	--	--	--	--	--	--	--	--	--	
8/9/2007	--	50.32	19.15	--	31.17	--	--	--	--	--	--	--	--	--	
11/9/2007	--	50.32	20.70	--	29.62	--	--	--	--	--	--	--	--	--	
12/14/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--	Unable to survey
2/11/2008	**P**	**--**	**15.08**	**--**	**--**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**1.07**	**CEL**	**6.84**	
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	--	

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Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-7 Cont.															
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	--	--	--	--	--	--	--	--	--	
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	
3/10/2003	--	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	n
11/10/2003	P	51.40	20.24	--	31.16	230	<1.0	<1.0	<1.0	<1.0	92	--	SEQM	6.7	o
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	k

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						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-7 Cont.															
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	w
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	w
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	w
8/9/2007	P	51.40	19.95	--	31.45	<50	<0.50	<0.50	<0.50	<0.50	42	1.94	TAMC	7.55	
11/9/2007	P	51.40	23.28	--	28.12	61	<0.50	<0.50	<0.50	1.3	71	2.13	TAMC	8.57	
12/14/2007	--	38.99	23.07	--	15.92	--	--	--	--	--	--	--	--	--	z
2/11/2008	**P**	**38.99**	**17.21**	**--**	**21.78**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**200**	**1.22**	**CEL**	**7.13**	
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	--	

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)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE				
MW-8 Cont.															
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	--	--	--	--	--	--	--	--	--	
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	--	--	--	--	--	--	--	--	--	n
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	--	--	--	--	--	--	--	--	--	

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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)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-8 Cont.															
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	--	--	--	--	--	--	--	--	--	
8/9/2007	--	50.88	19.25	--	31.63	--	--	--	--	--	--	--	--	--	
11/9/2007	--	50.88	20.92	--	29.96	--	--	--	--	--	--	--	--	--	
12/14/2007	--	38.44	21.26	--	17.18	--	--	--	--	--	--	--	--	--	z
2/12/2008	**P**	**38.44**	**14.00**	**--**	**24.44**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**4.26**	**CEL**	**7.11**	
MW-9															
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	--	
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

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Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE				
MW-9 Cont.															
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
12/11/2000	--	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	--	PACE	--	
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	--	PACE	--	
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	
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	--	--	--	--	--	--	--	--	--	

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Well and Sample Date	P/NP	TOC Elevation (feet msl)	Depth to Water (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl- Benzene	Total Xylenes	MTBE				
MW-9 Cont.															
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	--	--	--	--	--	--	--	--	--	
8/9/2007	P	51.05	19.71	--	31.34	650	150	<0.50	<0.50	2.0	1.4	1.07	TAMC	7.58	
11/9/2007	--	51.05	21.62	--	29.43	--	--	--	--	--	--	--	--	--	
12/14/2007	--	38.63	21.66	--	16.97	--	--	--	--	--	--	--	--	--	z
2/12/2008	**P**	**38.63**	**16.30**	**--**	**22.33**	**890**	**27**	**2.5**	**28**	**5.4**	**<0.50**	**2.18**	**CEL**	**6.89**	
MW-10															
1/9/1998	--	--	20.97	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	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	<10	4.0	SPL	--	h
12/30/1998	--	--	22.22	--	--	--	--	--	--	--	--	--	--	--	h
2/2/1999	--	--	21.83	--	--	940	<10	<10	<10	<10	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
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

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						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
MW-10 Cont.															
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
8/9/2007	P	--	20.83	--	--	970	<10	<10	<10	<10	1,600	0.74	TAMC	7.24	
11/9/2007	P	--	22.53	--	--	1,100	<10	<10	<10	13	1,600	1.83	TAMC	7.31	
12/14/2007	--	40.45	22.62	--	17.83	--	--	--	--	--	--	--	--	--	z
2/11/2008	**NP**	**40.45**	**17.86**	**--**	**22.59**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**770**	**1.20**	**CEL**	**7.04**	
MW-11															
12/14/2007	--	37.64	20.16	--	17.48	8,000	<10	72	230	760	<10	1.66	TAMC	--	z
2/12/2008	**P**	**37.64**	**14.35**	**--**	**23.29**	**5,500**	**46**	**13**	**220**	**160**	**<2.5**	**0.75**	**CEL**	**7.13**	
QC-2															
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	--	--	PACE	--	i, l
6/7/1993	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	i, l
9/24/1993	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	--	i, l
12/27/1993	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	--	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)						DO (mg/L)	Lab	pH	Comments
						GRO/ TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MTBE				
QC-2 Cont.															
4/5/1994	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	--	i, l
7/22/1994	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	--	i, l
10/13/1994	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	--	i, l
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.
y = Sample > 4x spike concentration.
z = Site resurveyed on 3 December 2007.
aa = Well MW-2 was over-drilled and converted to well DPE-4 on 11/13/2007.

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	
DPE-1									
12/14/2007	<300	1,300	28	<0.50	3.4	<0.50	<0.50	<0.50	
2/12/2008	**<2,000**	**3,900**	**66**	**<10**	**<10**	**<10**	**<10**	**<10**	
DPE-2									
12/14/2007	<300	<20	0.71	<0.50	<0.50	<0.50	<0.50	<0.50	
2/12/2008	**<100**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
DPE-3									
12/14/2007	<15,000	1,700	770	<25	<25	<25	<25	<25	
2/12/2008	**<1,000**	**<100**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	**<5.0**	
DPE-4									
12/14/2007	<300,000	<20,000	8,000	<500	<500	<500	<500	<500	
2/12/2008	**<10,000**	**<1,000**	**2,900**	**<50**	**<50**	**55**	**<50**	**<50**	
DPE-5									
12/14/2007	<300,000	<20,000	16,000	<500	<500	<500	<500	<500	
2/12/2008	**<10,000**	**2,000**	**8,400**	**<50**	**<50**	**<50**	**<50**	**<50**	
EX-1									
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	
8/9/2007	<6,000	440	530	<10	<10	15	<10	<10	

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	
EX-1 Cont.									
11/9/2007	<15,000	1,900	370	<25	<25	<25	<25	<25	
2/12/2008	**<10,000**	**2,200**	**320**	**<50**	**<50**	**<50**	**<50**	**<50**	
EX-2									
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	
8/9/2007	<300	<20	27	<0.50	<0.50	<0.50	<0.50	<0.50	
11/9/2007	<300	<20	140	<0.50	<0.50	<0.50	<0.50	<0.50	
2/12/2008	**<100**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
MW-1									
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	--	--	
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	
2/12/2008	**<100**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
MW-2									

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-2 Cont.									
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	
8/9/2007	<60,000	<4,000	4,100	<100	<100	<100	<100	<100	
11/9/2007	<60,000	<4,000	9,500	<100	<100	<100	<100	<100	c
MW-3									
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	
2/11/2008	**<100**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
MW-4									
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	

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-4 Cont.									
05/04/2004	<50,000	<10,000	<250	<250	<250	<250	<250	<250	
08/31/2004	<50,000	<10,000	14,000	<250	<250	<250	<250	<250	
11/23/2004	<500,000	<100,000	23,000	<2,500	<2,500	<2,500	<2,500	<2,500	
01/18/2005	<50,000	<10,000	8,800	<250	<250	<250	<250	<250	a
06/29/2005	<50,000	<10,000	1,700	<250	<250	<250	<250	<250	
09/01/2005	<100,000	<20,000	1,100	<500	<500	<500	<500	<500	
11/03/2005	<100,000	<20,000	1,500	<500	<500	<500	<500	<500	
02/14/2006	<300,000	<20,000	38,000	<500	<500	1,000	<500	<500	a
5/30/2006	<300,000	<20,000	560	<500	<500	<500	<500	<500	
8/29/2006	<300,000	<20,000	1,800	<500	<500	<500	<500	<500	
2/20/2007	<150,000	<10,000	15,000	<250	<250	<250	<250	<250	
5/25/2007	<120,000	<8,000	3,500	<200	<200	<200	<200	<200	
8/9/2007	<60,000	4,100	2,900	<100	<100	<100	<100	<100	
11/9/2007	<60,000	5,700	1,200	<100	<100	<100	<100	<100	
MW-6									
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	a
05/04/2004	<100	<20	24	<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	
01/18/2005	<100	<20	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	a
2/20/2007	<300	<20	24	<0.50	<0.50	<0.50	<0.50	<0.50	
2/11/2008	**<100**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
MW-7									
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	
05/04/2004	<500	<100	190	<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	
11/23/2004	<500	<100	290	<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	
MW-7 Cont.									
01/18/2005	<500	<100	92	<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	
09/01/2005	<1,000	<200	60	<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	
02/14/2006	<300	<20	62	<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	
8/29/2006	<1,500	<100	140	<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	
2/20/2007	<1,500	<100	170	<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	
8/9/2007	<300	<20	42	<0.50	<0.50	<0.50	<0.50	<0.50	
11/9/2007	<300	<20	71	<0.50	<0.50	<0.50	<0.50	<0.50	
2/11/2008	**<100**	**<10**	**200**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
MW-8									
02/03/2004	<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	
2/12/2008	**<100**	**<10**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	
MW-9									
8/27/2003	<10,000	<2,000	6,300	<50	<50	<50	--	--	
02/03/2004	<10,000	<2,000	2,100	<50	<50	<50	<50	<50	a
08/31/2004	<5,000	<1,000	1,500	<25	<25	<25	<25	<25	
01/18/2005	<500	150	130	<2.5	<2.5	<2.5	<2.5	<2.5	a
09/01/2005	<5,000	2,700	240	<25	<25	<25	<25	<25	
02/14/2006	<15,000	<1,000	2,200	<25	<25	<25	<25	<25	a
8/29/2006	<15,000	2,100	<25	<25	<25	<25	<25	<25	
2/20/2007	<600	380	3.2	<1.0	<1.0	<1.0	<1.0	<1.0	
8/9/2007	<300	790	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	
2/12/2008	**<100**	**37**	**<0.50**	**<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	
MW-10									
8/27/2003	<5,000	<1,000	2,800	<25	<25	<25	--	--	
11/10/2003	<10,000	<2,000	3,300	<50	<50	<50	--	--	
02/03/2004	<10,000	<2,000	2,300	<50	<50	<50	<50	<50	a
05/04/2004	<5,000	<1,000	1,600	<25	<25	<25	<25	<25	
08/31/2004	<10,000	<2,000	1,900	<50	<50	<50	<50	<50	
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	
8/9/2007	<6,000	<400	1,600	<10	<10	<10	<10	<10	
11/9/2007	<6,000	<400	1,600	<10	<10	<10	<10	<10	
2/11/2008	**<100**	**<10**	**770**	**<0.50**	**<0.50**	**2.6**	**<0.50**	**<0.50**	
MW-11									
12/14/2007	<6,000	<400	<10	<10	<10	<10	<10	<10	
2/12/2008	**<500**	**<50**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	**<2.5**	

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 verficiation 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.
c = Well MW-2 was over-drilled and converted to well DPE-4 on 11/13/2007.

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
8/9/2007	Northwest	0.002
11/9/2007	North	0.02
12/14/2007	Southwest, Southeast	0.005, 0.003
2/11/2008	**Northeast**	**0.02**

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

APPENDIX A

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

STRATUS
ENVIRONMENTAL, INC.

Cameron Park, California 95682
(530) 676-6004 ~ Fax: (530) 676-6005

March 11, 2008

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.

General Information

Data Submittal Prepared / Reviewed by: Becky Carroll / Jay Johnson
Phone Number: (530) 676-6000
On-Site Supplier Representative: Tony Hill

Sampling Date: February 11, 2008
Arrival: 06:00 *Departure:* 13:50
Weather Conditions: Clear/Sunny
Unusual Field Conditions: None
Scope of Work Performed: Quarterly monitoring and sampling. Subjective well evaluation performed on all wells. Wells MW-3, MW-6, MW-7, and MW-10 were purged and sampled.
Variations from Work Scope: Well MW-4 Contained measurable product, and was not sampled.

Data Submittal Prepared / Reviewed by: Becky Carroll / Jay Johnson
Phone Number: (530) 676-6000
On-Site Supplier Representative: Tony Hill and David DeMello

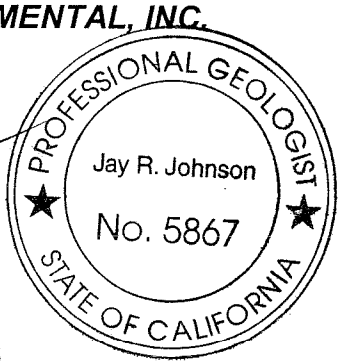
Sampling Date: February 12, 2008
Arrival: 06:00 *Departure:* 13:50
Weather Conditions: Clear/Sunny
Unusual Field Conditions: None
Scope of Work Performed: Quarterly monitoring and sampling. Wells MW-1, MW-8, MW-9, MW-11, DPE-1, DPE-2, DPE-3, DPE-5, and EX-2 were purged and sampled.

Variations from Work Scope:. Wells DPE-4, and EX-1 purged dry before three casing volumes were removed. A sheen was noted in well EX-1.

This submittal presents the tabulation of data collected in association with routine groundwater monitoring. The attachments include field data sheets, non-hazardous waste data form, chain of custody documentation, certified analytical results, and field procedures for groundwater sampling documentation. 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:

- Field Data Sheets
- Non-Hazardous Waste Data Form
- Chain of Custody Documentation
- Certified Analytical Results
- Field Procedures for Groundwater sampling

cc: Mr. Paul Supple, BP/ARCO

STRATUS ENVIRONMENTAL, INC.

Site Address: 7210 Bancroft
City: Oakland, CA
Sampled by: TH
Signature:

ORIGINAL

Site Number: Arco 11117
Project Number: E11117
Project PM: J. Johnson
DATE: 2/11/08

on site 0600

Top Screen	Water Level Data					Purge Volume Calculations					Purge Method				Sample Record			Field Data	
	Well ID	Time	Depth to Product (feet)	Depth to Water (feet)	Total Depth (feet)	Water column (feet)	Diameter (inches)	Multiplier	3 casing volumes (gallons)	Actual water purged (gallons)	No Purge	Bailer	Pump	other	DTW at sample time (feet)	Sample I.D	Sample Time	DO (mg/L)	
20	MW 1	0738	—	14.00	36.33	22.33	2	.5	11.16	11		X			14.02	MW 1	0815	3.66	2/12
30	MW 3	0649	—	14.68	40.48	25.8	2	.5	12.9	13			X		14.60	MW 3	1015	2.40	
	MW 4	0830	15.44	15.45	39.57	24.12	2	.5	12.06	12		[illegible]	Product		Not Sampled	MW 4	NS	NS	
20	MW 6	0656	—	15.08	39.33	24.25	2	.5	12.12	12			X		15.11	MW 6	0944	1.07	
25	MW 7	0630	—	17.21	44.65	27.44	2	.5	13.72	13.5			X		20.39	MW 7	1120	1.22	
2/12	MW 8	0745	—	14.00	39.40	25.40	2	.5	12.70	12.5		X			14.03	MW 8	0654	4.26	2/12
25	MW 9	0753	—	16.30	38.80	22.50	2	.5	11.25	11		X			16.30	MW 9	0750	2.18	2/12
15	MW 10	0705	—	17.86	35.40	—	2	.5	—	—	X				17.86	MW 10	0720	1.20	
	MW 11	0802	—	14.35	36.50	22.15	4	2	44.30	44		X			14.46	MW 11	1135	.75	2/12
	DP 1	0840	—	16.13	39.87	23.74	4	2	47.48	47		X			17.40	DPE 1	1240	.59	
	DPE 2	0818	—	14.35	39.75	25.40	4	2	50.80	51		X			14.40	DPE 2	1320	1.32	
	DPE 3	0814	—	14.88	39.56	24.68	4	2	49.36	50		X			14.84	DPE 3	1135	1.33	
9 voas*	DPE 4	0850	—	15.43	40.08	24.65	4	2	49.3	45	DRY @ 45	X			16.51	DPE 4	1040	1.39	*
	DPE 5	0824	—	15.20	39.40	24.20	4	2	48.40	50			X		15.85	DPE 5	1240	1.09	
Sheen	EX 1	0854	—	15.92	37.85	21.93	4	2	43.86	30		DRY @ 30			35.60	EX 1	1005	.55	
	EX 2	0639	—	16.73	35.06	18.33	4	2	36.66	37		X			18.95	EX 2	0910	1.79	2/15

Interface Probe

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

Traffic Control MW 8 & MW 9

Please refer to groundwater sampling field procedures
pH/Conductivity/temperature Meter - Oakton Model PC-10
DO Meter - Oakton 300 Series (DO is always measured before purge)

CALIBRATION DATE
pH: 2/11/08 ATH
Conductivity: ↓
DO: ↓

STRATUS ENVIRONMENTAL, INC.

Site Address 7210 Bancroft
City Oakland CA
Site Sampled by TH

Site Number Arco 11117
Project No. E11117
Project PM J Johnson
Date Sampled 2/11/08

Well ID MW 1 — 0845
purge start time bailer — no odor

	Temp C	pH	cond	gallons
time	19.0	7.53	487	0
time	19.2	7.18	479	5.5
time	18.9	7.13	480	11
time				
purge stop time				

Well ID MW 3 — 1015
purge start time 955 — no odor

	Temp C	pH	cond	gallons
time	23.5	6.99	556	0
time	22.2	7.03	540	7
time	21.6	7.00	519	13
time				
pugre stop time	1003			

Well ID MW 4
purge start time Measurable Product

	Temp C	pH	cond	gallons
time	[illegible]		[illegible]	
time	Product			
time				
time				
purge stop time	NO Drum On Sight			

Well ID MW-6 — 0944
purge start time 0920 — No odor

	Temp C	pH	cond	gallons
time	22.9	6.92	842	0
time	23.0	6.89	815	6
time	23.1	6.84	829	12
time				
purge stop time	0928			

Well ID MW 7 — 1120
purge start time 1050 — No odor

	Temp C	pH	cond	gallons
time	25.6	6.95	903	0
time	25.7	7.18	921	7
time	24.6	7.13	978	13.5
time				
purge stop time	1108			

Well ID MW8 — 0654
purge start time [illegible] bailer — no odor

	Temp C	pH	cond	gallons
time	13.6	7.64	619	0
time	15.2	7.18	517	6.5
time	14.7	7.11	576	12.5
time				
purge stop time				

Well ID MW9 — 0750
purge start time bailer — odor

	Temp C	pH	cond	gallons
time	17.1	7.62	459	0
time	18.2	7.19	546	6
time	18.3	6.89	547	11
time				
purge stop time				

Well ID MW 10 — 0720
purge start time Bailer — No odor

	Temp C	pH	cond	gallons
time	22.1	7.04	829	0
time				
time				
time				
purge stop time	NP @ 15'			

680

[redacted]

STRATUS ENVIRONMENTAL, INC.

Site Address 7210 Bancroft
City Oakland, CA
Site Sampled by TH

Site Number Arco 1117
Project No. E 1117
Project PM J Johnson
Date Sampled 2/11/08

Well ID MW 11					1135
purge start time Bailer					Odor
	Temp C	pH	cond	gallons	
time	22.1	7.09	522	0	
time	22.2	7.13	555	20	
time	22.9	7.13	508	114	
time					
purge stop time					

Well ID DPE 1					1240
purge start time Bailer					odor
	Temp C	pH	cond	gallons	
time	23.6	6.86	841	0	
time	23.8	6.95	915	24	
time	23.7	6.87	926	47	
time					
pugre stop time					

Well ID DPE 2					1320
purge start time 1250					odor
	Temp C	pH	cond	gallons	
time	22	7.14	473	0	
time	21.6	7.13	448	25	
time	22	7.13	452	50	
time					
purge stop time	1315				

Well ID DPE 3					1135
purge start time 1110					Odor
	Temp C	pH	cond	gallons	
time	23.1	7.13	567	0	
time	23.2	6.96	611	25	
time	23.0	7.10	571	50	
time					
purge stop time	1122				

Well ID DPE 4					1046
purge start time 0958					odor
	Temp C	pH	cond	gallons	
time	20.9	6.95	692	0	
time	21.1	6.98	723	25	
time	20.4	6.92	695	45	
time	DRY	@ 45	991		
purge stop time	1025				

Well ID DPE 5					1246
purge start time 1155					odor
	Temp C	pH	cond	gallons	
time	22.7	6.91	973	0	
time	23.0	6.80	845	25	
time	23.3	6.86	936	50	
time					
purge stop time	1230				

Well ID EX 1					
purge start time Bailer					odor
	Temp C	pH	cond	gallons	
time	22.7	6.71	842	0	
time	22.6	6.74	845	22	
time	Dry @ 30 Gal			(30)	
time	22.2	6.87	858	(30)	
purge stop time	Sheen				

Well ID EX 2					0910
purge start time Bailer					No Odor
	Temp C	pH	cond	gallons	
time	21.1	7.00	385	0	
time	22.1	6.89	387	18	
time	22.3	6.99	389	37	
time					
purge stop time					

Wellhead Observation Form

Account: Arco 11117

Sampled by: T. H Date: 2/11/08

Well ID	Box in good condition	Lock Missing (Replaced with new)	Water in Box	Bolts Missing	Bolts Stripped	Bolt-Holes Stripped	Cracked or Broken Lid	Cracked Box and/or Bolt - Holes	Misc.	Add'l -- Notes and Other Stuff
MW 1	X									
3	X									
4	X									
6	[illegible]						X			Well exposed Broken lid
7			X							
8	X									
9	X									
10			X			2				
MW 11	X									
DPE 1	X									
2	X									
3	X									
4	X									
DPE 5	X									
EX 1				1						
EX 2			X			2				

NO. 665465

NON-HAZARDOUS WASTE DATA FORM

TO BE COMPLETED BY GENERATOR

SITE:

NAME: BP WEST COAST PRODUCTS LLC ARCO # 11117

EPA I.D. NO.: NOT REQUIRED

ADDRESS: P.O. BOX 80249 — 7010 Fruitvale

PROFILE NO.:

CITY, STATE, ZIP: RANCHO SANTA MARGARITA CA 92688 — Oakland CA

PHONE NO. ( )

CONTAINERS: No. ______ VOLUME 231 gal WEIGHT ______

TYPE: ☐ TANK TRUCK ☐ DUMP TRUCK ☐ DRUMS ☐ CARTONS ☐ OTHER ______

WASTE DESCRIPTION: NON-HAZARDOUS WATER

GENERATING PROCESS: WELL PURGING/DECON WATER

	COMPONENTS OF WASTE	PPM	%		COMPONENTS OF WASTE	PPM	%
1.	WATER	99-100%		5.			
2.	TPH	<1%		6.			
3.				7.	BESI#		
4.				8.			

PROPERTIES: 7-10 pH ☐ SOLID ☐ LIQUID ☐ SLUDGE ☐ SLURRY ☐ OTHER ______

HANDLING INSTRUCTIONS: WEAR ALL APPROPRIATE PROTECTIVE CLOTHING

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

Larry Moothart BESI for BP — 2/11/08

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TRANSPORTER

Transporter #1 Transporter #2

NAME: STRATUS ENVIRONMENTAL

EPA I.D. NO.:

ADDRESS: 3330 CAMERON PARK DR

SERVICE ORDER NO. ______

CITY, STATE, ZIP: CAMERON PARK, CA 95682

PICK UP DATE ______

PHONE NO.: 530-676-2031

TRUCK, UNIT, I.D. NO.

Jeremy T. Hill — 2/11/08

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

TSD FACILITY

NAME: SEAPORT REFINING & ENVIRONMENTAL, LLC

EPA I.D. NO.:

DISPOSAL METHOD

ADDRESS: 700 SEAPORT BLVD.

☐ LANDFILL ☐ OTHER ______

CITY, STATE, ZIP: REDWOOD CITY, CA 94063

PHONE NO.: 650-364-1024

TYPED OR PRINTED FULL NAME & SIGNATURE — DATE

GEN	OLD/NEW	L A	TONS	
TRANS		S B		
C/O		RT/CD	HWDF NONE	DISCREPANCY

ORIGINAL

Page 2 of 2

Chain of Custody Record

Atlantic Richfield Company
A BP affiliated company

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: 0600	2/11/08	Temp: 40's	
Off-site Time: 1550	2/12/08	Temp: 60's	
Sky Conditions: Clear Sunny			
Meteorological Events:			
Wind Speed:		Direction:	

Lab Name: Cal Science	BP/AR Facility No: 11117
Address: 7440 Lincoln Way	BP/AR Facility Address: 7210 Bancroft, Oakland
Garden Grove CA 92841-1427	Site Lat/Long:
Lab PM: Linda Scharpenberg	California Global ID No.: T0600100201
Tele/Fax: 714-895-5494 714-895-7501	Enfos Project No.: G07TK-0036
BP/AR PM Contact: Paul Supple	Provision or OOC (circle one): Provision
Address: 2010 Crow Canyon Place, Suite 150	Phase/WBS: 04-Monitoring
San Ramon, CA	Sub Phase/Task: 03- Analytical
Tele/Fax: 925-275-3506	Cost Element: 01-Contractor labor
Lab Bottle Order No:	

Consultant/Contractor:	Stratus Environmental, Inc.
Address:	3330 Cameron Park Drive, Suite 550
	Cameron Park, CA 95682
Consultant/Contractor Project No.:	11117-04
Consultant/Contractor PM:	Jay Johnson
Tele/Fax:	(530) 676-6000 / (530) 676-6005
Report Type & QC Level:	Level 1 with EDF
E-mail EDD To:	shayes@stratusinc.net
Invoice to:	Atlantic Richfield Co.

Item No.	Sample Description	Time	Date (2008)	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO	BTEX	5 oxys	EDB	1,2 DCA	Ethanol				Sample Point Lat/Long and Comments *Oxy MTBE,TAME,ETBE,DIPE,TBA
1	DPE-3	1135	2/12		X			6				X		X	X	X	X	X	X				by limited 8260B
2	DPE-4	1040						9															
3	DPE-5	1210						6															
4	EX-1	1005						6															
5	EX-2	0910						6															
6																							
7																							
8	TB 11117 02/11/08																						on HOLD
9																							
10																							

Sampler's Name: J. Slater

Sampler's Company: Stratus

Shipment Date: 2/13/08

Shipment Method: STRATUS

Shipment Tracking No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
[signature]	2/13/08	0900	J. SLATER / STRATUS	2-18-08	0900
J. SLATER / STRATUS	2-18-08	1015	[signature] CEL	2-18-08	1015

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

Atlantic Richfield Company
A BP affiliated company

ORIGINAL

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: 0600 2/11/08	Temp: 40'S
Off-site Time: 1350 2/12/08	Temp: 60'S
Sky Conditions: Clear Sunny	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: Cal Science	BP/AR Facility No.: 11117	Consultant/Contractor: Stratus Environmental, Inc.
Address: 7440 Lincoln Way	BP/AR Facility Address: 7210 Bancroft, Oakland	Address: 3330 Cameron Park Drive, Suite 550
Garden Grove CA 92841-1427	Site Lat/Long:	Cameron Park, CA 95682
Lab PM: Linda Scharpenberg	California Global ID No.: T0600100201	Consultant/Contractor Project No.: E11117-04
Tele/Fax: 714-895-5494 714-895-7501	Enfos Project No.: G07TK-0036	Consultant/Contractor PM: Jay Johnson
BP/AR PM Contact: Paul Supple	Provision or OOC (circle one) Provision	Tele/Fax: (530) 676-6000 / (530) 676-6005
Address: 2010 Crow Canyon Place, Suite 150	Phase/WBS: 04-Monitoring	Report Type & QC Level: Level 1 with EDF
San Ramon, CA	Sub Phase/Task: 03-Analytical	E-mail EDD To: shaves@stratusinc.net
Tele/Fax: 925-275-3506	Cost Element: 01-Contractor labor	Invoice to: Atlantic Richfield Co.

Lab Bottle Order No:

Item No.	Sample Description	Time	Date 2008	Soil/Solid	Water/Liquid	Air	Laboratory No.	No. of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	GRO	BTEX	5 Oxys	EDB	Ethanol	1,2 DCA					Sample Point Lat/Long and Comments *Oxy = MTBE,TAME,ETBE,DIPE,TBA
1	MW-3	1015	2/11		X			6				X		X	X	X	X	X	X					by limited 8260B
2	MW-6	0944																						
3	MW-7	1120																						
4	MW-10	0730																						
5	MW-1	0815	2/12																					
6	MW-8	0654																						
7	MW-9	0750																						
8	MW-11	1135																						
9	DPE-1	1240																						
10	DPE-2																							

Sampler's Name: T. [illegible]
Sampler's Company: Stratus
Shipment Date: 2/13/08
Shipment Method: STRATUS
Shipment Tracking No:

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
[signature]	2/12/08	1600	J. SLATER / STRATUS	2-12-08	1600
J. SLATER / STRATUS	2-13-08	1018	[signature] CEL	2-13-08	1018

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

Calscience
Environmental
Laboratories, Inc.

February 25, 2008

Jay Johnson
Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

Subject: **Calscience Work Order No.: 08-02-1013**
Client Reference: ARCO 11117

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 2/14/2008 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Linda Scharpenberg
Project Manager

Calscience
Environmental
Laboratories, Inc.

CASE NARRATIVE – 08-02-1013

Data Qualifiers - EPA 8260:

Batches 080221S01 & 080221S02:

The RPD for benzene was outside acceptance criteria in the MS/MSD. The % recoveries were within acceptance criteria in the MS/MSD and the RPD was within criteria in the LCS/LCSD. The MS/MSD has been flagged "4" within the report.

"4" = BA, AY

BA = Relative percent difference out of control
AY = Matrix interference suspected

Calscience Environmental Laboratories, Inc.

Analytical Report

Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

Date Received: 02/14/08
Work Order No: 08-02-1013
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ARCO 11117

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-3	**08-02-1013-1-D**	**02/11/08 10:15**	**Aqueous**	**GC 29**	**02/18/08**	**02/18/08 15:15**	**080218B01**

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	45	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-6	**08-02-1013-2-D**	**02/11/08 09:44**	**Aqueous**	**GC 29**	**02/18/08**	**02/18/08 15:49**	**080218B01**

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	72	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-7	**08-02-1013-3-D**	**02/11/08 11:20**	**Aqueous**	**GC 29**	**02/18/08**	**02/18/08 16:23**	**080218B01**

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	70	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-10	**08-02-1013-4-E**	**02/11/08 07:20**	**Aqueous**	**GC 29**	**02/19/08**	**02/19/08 20:11**	**080218B03**

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	78	38-134			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

Date Received: 02/14/08
Work Order No: 08-02-1013
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ARCO 11117

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-1	**08-02-1013-5-D**	**02/12/08 08:15**	**Aqueous**	**GC 29**	**02/18/08**	**02/18/08 17:30**	**080218B01**

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	100	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	75	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-8	**08-02-1013-6-D**	**02/12/08 06:54**	**Aqueous**	**GC 29**	**02/18/08**	**02/18/08 19:11**	**080218B01**

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	61	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-9	**08-02-1013-7-D**	**02/12/08 07:50**	**Aqueous**	**GC 29**	**02/18/08**	**02/18/08 19:45**	**080218B01**

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	890	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	94	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-11	**08-02-1013-8-D**	**02/12/08 11:35**	**Aqueous**	**GC 29**	**02/18/08**	**02/18/08 20:19**	**080218B01**

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	5500	250	5		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	82	38-134			

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Analytical Report

Stratus Environmental, inc.
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Cameron Park, CA 95682-8861

Date Received: 02/14/08
Work Order No: 08-02-1013
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ARCO 11117

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPE-1	**08-02-1013-9-D**	**02/12/08 12:40**	**Aqueous**	**GC 29**	**02/18/08**	**02/18/08 20:52**	**080218B01**

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	4700	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	93	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPE-2	**08-02-1013-10-D**	**02/12/08 00:00**	**Aqueous**	**GC 29**	**02/18/08**	**02/18/08 21:26**	**080218B01**

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	1100	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	89	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPE-3	**08-02-1013-11-E**	**02/12/08 11:35**	**Aqueous**	**GC 29**	**02/19/08**	**02/19/08 21:52**	**080218B03**

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	5500	1200	25		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	83	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPE-4	**08-02-1013-12-H**	**02/12/08 10:40**	**Aqueous**	**GC 29**	**02/19/08**	**02/19/08 22:26**	**080218B03**

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	100000	1200	25		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	89	38-134			

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Analytical Report

Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

Date Received: 02/14/08
Work Order No: 08-02-1013
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ARCO 11117

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPE-5	**08-02-1013-13-E**	**02/12/08 12:40**	**Aqueous**	**GC 29**	**02/19/08**	**02/19/08 23:00**	**080218B03**

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	63000	1200	25		ug/L
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene	102	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EX-1	**08-02-1013-14-E**	**02/12/08 10:05**	**Aqueous**	**GC 29**	**02/19/08**	**02/19/08 23:34**	**080218B03**

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	19000	1200	25		ug/L
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene	81	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EX-2	**08-02-1013-15-D**	**02/12/08 09:10**	**Aqueous**	**GC 29**	**02/18/08**	**02/19/08 00:49**	**080218B01**

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	50	1		ug/L
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene	76	38-134			

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-695-21**	**N/A**	**Aqueous**	**GC 29**	**02/18/08**	**02/18/08 09:38**	**080218B01**

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	50	1		ug/L
Surrogates:	REC (%)	Control Limits		Qual	
1,4-Bromofluorobenzene	69	38-134			

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Analytical Report

Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

Date Received: 02/14/08
Work Order No: 08-02-1013
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project: ARCO 11117

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-695-25**	**N/A**	**Aqueous**	**GC 29**	**02/19/08**	**02/19/08 18:29**	**080218B03**

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	50	1		ug/L
Surrogates:	**REC (%)**	**Control Limits**		**Qual**	
1,4-Bromofluorobenzene	66	38-134			

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Analytical Report

Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

Date Received: 02/14/08
Work Order No: 08-02-1013
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: ARCO 11117

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-3	**08-02-1013-1-A**	**02/11/08 10:15**	**Aqueous**	**GC/MS Z**	**02/21/08**	**02/21/08 12:45**	**080221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	96	73-157			Dibromofluoromethane	98	82-142		
Toluene-d8	102	82-112			1,4-Bromofluorobenzene	91	75-105		

MW-6	**08-02-1013-2-A**	**02/11/08 09:44**	**Aqueous**	**GC/MS Z**	**02/21/08**	**02/21/08 16:47**	**080221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	101	73-157			Dibromofluoromethane	100	82-142		
Toluene-d8	99	82-112			1,4-Bromofluorobenzene	92	75-105		

MW-7	**08-02-1013-3-A**	**02/11/08 11:20**	**Aqueous**	**GC/MS Z**	**02/21/08**	**02/21/08 17:17**	**080221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	200	5.0	10	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	106	73-157			Dibromofluoromethane	102	82-142		
Toluene-d8	99	82-112			1,4-Bromofluorobenzene	98	75-105		

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Analytical Report

Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

Date Received: 02/14/08
Work Order No: 08-02-1013
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: ARCO 11117

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-10	**08-02-1013-4-A**	**02/11/08 07:20**	**Aqueous**	**GC/MS Z**	**02/21/08**	**02/21/08 17:47**	**080221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	770	25	50	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	2.6	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	97	73-157			Dibromofluoromethane	103	82-142		
Toluene-d8	97	82-112			1,4-Bromofluorobenzene	93	75-105		

MW-1	**08-02-1013-5-A**	**02/12/08 08:15**	**Aqueous**	**GC/MS Z**	**02/21/08**	**02/21/08 18:17**	**080221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	0.55	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	98	73-157			Dibromofluoromethane	100	82-142		
Toluene-d8	100	82-112			1,4-Bromofluorobenzene	93	75-105		

MW-8	**08-02-1013-6-A**	**02/12/08 06:54**	**Aqueous**	**GC/MS Z**	**02/21/08**	**02/21/08 18:48**	**080221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	105	73-157			Dibromofluoromethane	108	82-142		
Toluene-d8	100	82-112			1,4-Bromofluorobenzene	89	75-105		

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Analytical Report

Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

Date Received: 02/14/08
Work Order No: 08-02-1013
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: ARCO 11117

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-9	**08-02-1013-7-A**	**02/12/08 07:50**	**Aqueous**	**GC/MS Z**	**02/21/08**	**02/21/08 19:18**	**080221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	27	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	37	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	28	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	2.5	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	5.4	0.50	1		Ethanol	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	89	73-157			Dibromofluoromethane	95	82-142		
Toluene-d8	104	82-112			1,4-Bromofluorobenzene	94	75-105		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-11	**08-02-1013-8-A**	**02/12/08 11:35**	**Aqueous**	**GC/MS Z**	**02/21/08**	**02/21/08 19:48**	**080221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	46	2.5	5		Methyl-t-Butyl Ether (MTBE)	ND	2.5	5	
1,2-Dibromoethane	ND	2.5	5		Tert-Butyl Alcohol (TBA)	ND	50	5	
1,2-Dichloroethane	ND	2.5	5		Diisopropyl Ether (DIPE)	ND	2.5	5	
Ethylbenzene	220	10	20		Ethyl-t-Butyl Ether (ETBE)	ND	2.5	5	
Toluene	13	2.5	5		Tert-Amyl-Methyl Ether (TAME)	ND	2.5	5	
Xylenes (total)	160	2.5	5		Ethanol	ND	500	5	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	97	73-157			Dibromofluoromethane	99	82-142		
Toluene-d8	100	82-112			1,4-Bromofluorobenzene	90	75-105		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPE-1	**08-02-1013-9-B**	**02/12/08 12:40**	**Aqueous**	**GC/MS Z**	**02/23/08**	**02/23/08 19:41**	**080223L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2000	50	100		Methyl-t-Butyl Ether (MTBE)	66	10	20	
1,2-Dibromoethane	ND	10	20		Tert-Butyl Alcohol (TBA)	3900	200	20	
1,2-Dichloroethane	ND	10	20		Diisopropyl Ether (DIPE)	ND	10	20	
Ethylbenzene	130	10	20		Ethyl-t-Butyl Ether (ETBE)	ND	10	20	
Toluene	310	10	20		Tert-Amyl-Methyl Ether (TAME)	ND	10	20	
Xylenes (total)	360	10	20		Ethanol	ND	2000	20	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	100	73-157			Dibromofluoromethane	103	82-142		
Toluene-d8	99	82-112			1,4-Bromofluorobenzene	98	75-105		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

Date Received: 02/14/08
Work Order No: 08-02-1013
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: ARCO 11117

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPE-2	**08-02-1013-10-A**	**02/12/08 00:00**	**Aqueous**	**GC/MS Z**	**02/21/08**	**02/21/08 20:49**	**080221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	9.1	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	33	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	9.3	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	91	0.50	1		Ethanol	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	95	73-157			Dibromofluoromethane	99	82-142		
Toluene-d8	100	82-112			1,4-Bromofluorobenzene	96	75-105		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPE-3	**08-02-1013-11-A**	**02/12/08 11:35**	**Aqueous**	**GC/MS Z**	**02/21/08**	**02/21/08 21:19**	**080221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	31	5.0	10		Methyl-t-Butyl Ether (MTBE)	ND	5.0	10	
1,2-Dibromoethane	ND	5.0	10		Tert-Butyl Alcohol (TBA)	ND	100	10	
1,2-Dichloroethane	ND	5.0	10		Diisopropyl Ether (DIPE)	ND	5.0	10	
Ethylbenzene	140	5.0	10		Ethyl-t-Butyl Ether (ETBE)	ND	5.0	10	
Toluene	55	5.0	10		Tert-Amyl-Methyl Ether (TAME)	ND	5.0	10	
Xylenes (total)	300	5.0	10		Ethanol	ND	1000	10	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	95	73-157			Dibromofluoromethane	100	82-142		
Toluene-d8	98	82-112			1,4-Bromofluorobenzene	97	75-105		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPE-4	**08-02-1013-12-A**	**02/12/08 10:40**	**Aqueous**	**GC/MS Z**	**02/21/08**	**02/22/08 03:22**	**080221L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	6600	500	1000		Methyl-t-Butyl Ether (MTBE)	2900	50	100	
1,2-Dibromoethane	ND	50	100		Tert-Butyl Alcohol (TBA)	ND	1000	100	
1,2-Dichloroethane	ND	50	100		Diisopropyl Ether (DIPE)	ND	50	100	
Ethylbenzene	3800	500	1000		Ethyl-t-Butyl Ether (ETBE)	ND	50	100	
Toluene	21000	500	1000		Tert-Amyl-Methyl Ether (TAME)	55	50	100	
Xylenes (total)	22000	500	1000		Ethanol	ND	10000	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	101	73-157			Dibromofluoromethane	108	82-142		
Toluene-d8	97	82-112			1,4-Bromofluorobenzene	99	75-105		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

Date Received: 02/14/08
Work Order No: 08-02-1013
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: ARCO 11117

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DPE-5	**08-02-1013-13-B**	**02/12/08 12:40**	**Aqueous**	**GC/MS Z**	**02/23/08**	**02/23/08 20:12**	**080223L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	5600	250	500		Methyl-t-Butyl Ether (MTBE)	8400	250	500	
1,2-Dibromoethane	ND	50	100		Tert-Butyl Alcohol (TBA)	2000	1000	100	
1,2-Dichloroethane	ND	50	100		Diisopropyl Ether (DIPE)	ND	50	100	
Ethylbenzene	3400	50	100		Ethyl-t-Butyl Ether (ETBE)	ND	50	100	
Toluene	2200	50	100		Tert-Amyl-Methyl Ether (TAME)	ND	50	100	
Xylenes (total)	12000	250	500		Ethanol	ND	10000	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	102	73-157			Dibromofluoromethane	100	82-142		
Toluene-d8	99	82-112			1,4-Bromofluorobenzene	100	75-105		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EX-1	**08-02-1013-14-B**	**02/12/08 10:05**	**Aqueous**	**GC/MS Z**	**02/23/08**	**02/23/08 20:42**	**080223L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2500	50	100		Methyl-t-Butyl Ether (MTBE)	320	50	100	
1,2-Dibromoethane	ND	50	100		Tert-Butyl Alcohol (TBA)	2200	1000	100	
1,2-Dichloroethane	ND	50	100		Diisopropyl Ether (DIPE)	ND	50	100	
Ethylbenzene	360	50	100		Ethyl-t-Butyl Ether (ETBE)	ND	50	100	
Toluene	ND	50	100		Tert-Amyl-Methyl Ether (TAME)	ND	50	100	
Xylenes (total)	860	50	100		Ethanol	ND	10000	100	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	102	73-157			Dibromofluoromethane	106	82-142		
Toluene-d8	97	82-112			1,4-Bromofluorobenzene	97	75-105		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
EX-2	**08-02-1013-15-B**	**02/12/08 09:10**	**Aqueous**	**GC/MS Z**	**02/23/08**	**02/23/08 17:10**	**080223L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	100	73-157			Dibromofluoromethane	104	82-142		
Toluene-d8	97	82-112			1,4-Bromofluorobenzene	90	75-105		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Date Received: 02/14/08
Work Order No: 08-02-1013
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: ARCO 11117

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-703-35**	**N/A**	**Aqueous**	**GC/MS Z**	**02/21/08**	**02/21/08 12:14**	**080221L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	98	73-157			Dibromofluoromethane	99	82-142		
Toluene-d8	98	82-112			1,4-Bromofluorobenzene	92	75-105		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-703-38**	**N/A**	**Aqueous**	**GC/MS Z**	**02/21/08**	**02/22/08 01:21**	**080221L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	102	73-157			Dibromofluoromethane	104	82-142		
Toluene-d8	99	82-112			1,4-Bromofluorobenzene	93	75-105		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-703-43**	**N/A**	**Aqueous**	**GC/MS Z**	**02/23/08**	**02/23/08 16:40**	**080223L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	105	73-157			Dibromofluoromethane	106	82-142		
Toluene-d8	97	82-112			1,4-Bromofluorobenzene	94	75-105		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

Date Received: 02/14/08
Work Order No: 08-02-1013
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: ARCO 11117

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-703-45**	**N/A**	**Aqueous**	**GC/MS Z**	**02/24/08**	**02/24/08 11:56**	**080224L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	0.50	1		Methyl-t-Butyl Ether (MTBE)	ND	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	ND	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	ND	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	ND	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	100	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,2-Dichloroethane-d4	103	73-157			Dibromofluoromethane	108	82-142		
Toluene-d8	98	82-112			1,4-Bromofluorobenzene	94	75-105		

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

Date Received: 02/14/08
Work Order No: 08-02-1013
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project ARCO 11117

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-02-1129-5	**Aqueous**	**GC 29**	**02/18/08**	**02/18/08**	**080218S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gasoline Range Organics (C6-C12)	111	109	38-134	2	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

Date Received: 02/14/08
Work Order No: 08-02-1013
Preparation: EPA 5030B
Method: EPA 8015B (M)

Project ARCO 11117

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-10	**Aqueous**	**GC 29**	**02/19/08**	**02/19/08**	**080218S03**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gasoline Range Organics (C6-C12)	106	106	38-134	0	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
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Date Received: 02/14/08
Work Order No: 08-02-1013
Preparation: EPA 5030B
Method: EPA 8260B

Project ARCO 11117

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-3	**Aqueous**	**GC/MS Z**	**02/21/08**	**02/21/08**	**080221S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	114	104	86-122	10	0-8	4
Carbon Tetrachloride	97	93	78-138	5	0-9	
Chlorobenzene	102	96	90-120	5	0-9	
1,2-Dibromoethane	95	101	70-130	6	0-30	
1,2-Dichlorobenzene	102	99	89-119	3	0-10	
1,1-Dichloroethene	102	97	52-142	5	0-23	
Ethylbenzene	108	102	70-130	6	0-30	
Toluene	108	98	85-127	9	0-12	
Trichloroethene	103	93	78-126	9	0-10	
Vinyl Chloride	104	100	56-140	4	0-21	
Methyl-t-Butyl Ether (MTBE)	92	98	64-136	6	0-28	
Tert-Butyl Alcohol (TBA)	100	108	27-183	8	0-60	
Diisopropyl Ether (DIPE)	105	109	78-126	4	0-16	
Ethyl-t-Butyl Ether (ETBE)	96	100	67-133	5	0-21	
Tert-Amyl-Methyl Ether (TAME)	94	95	63-141	1	0-21	
Ethanol	129	129	11-167	0	0-64	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

Date Received: 02/14/08
Work Order No: 08-02-1013
Preparation: EPA 5030B
Method: EPA 8260B

Project ARCO 11117

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-02-1140-6	**Aqueous**	**GC/MS Z**	**02/21/08**	**02/22/08**	**080221S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	101	112	86-122	11	0-8	4
Carbon Tetrachloride	87	97	78-138	12	0-9	4
Chlorobenzene	97	100	90-120	3	0-9	
1,2-Dibromoethane	92	98	70-130	7	0-30	
1,2-Dichlorobenzene	99	98	89-119	1	0-10	
1,1-Dichloroethene	97	107	52-142	10	0-23	
Ethylbenzene	97	105	70-130	7	0-30	
Toluene	94	102	85-127	9	0-12	
Trichloroethene	89	99	78-126	10	0-10	
Vinyl Chloride	109	121	56-140	11	0-21	
Methyl-t-Butyl Ether (MTBE)	71	88	64-136	10	0-28	
Tert-Butyl Alcohol (TBA)	99	100	27-183	0	0-60	
Diisopropyl Ether (DIPE)	106	118	78-126	10	0-16	
Ethyl-t-Butyl Ether (ETBE)	92	105	67-133	13	0-21	
Tert-Amyl-Methyl Ether (TAME)	88	95	63-141	8	0-21	
Ethanol	132	140	11-167	6	0-64	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

Date Received: 02/14/08
Work Order No: 08-02-1013
Preparation: EPA 5030B
Method: EPA 8260B

Project ARCO 11117

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
EX-2	**Aqueous**	**GC/MS Z**	**02/23/08**	**02/23/08**	**080223S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	99	86-122	3	0-8	
Carbon Tetrachloride	94	98	78-138	4	0-9	
Chlorobenzene	96	99	90-120	4	0-9	
1,2-Dibromoethane	99	99	70-130	0	0-30	
1,2-Dichlorobenzene	99	99	89-119	0	0-10	
1,1-Dichloroethene	107	110	52-142	2	0-23	
Ethylbenzene	100	102	70-130	2	0-30	
Toluene	96	99	85-127	3	0-12	
Trichloroethene	94	98	78-126	5	0-10	
Vinyl Chloride	95	100	56-140	5	0-21	
Methyl-t-Butyl Ether (MTBE)	95	93	64-136	2	0-28	
Tert-Butyl Alcohol (TBA)	102	98	27-183	4	0-60	
Diisopropyl Ether (DIPE)	98	99	78-126	1	0-16	
Ethyl-t-Butyl Ether (ETBE)	93	94	67-133	0	0-21	
Tert-Amyl-Methyl Ether (TAME)	93	94	63-141	1	0-21	
Ethanol	111	127	11-167	14	0-64	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

Date Received: 02/14/08
Work Order No: 08-02-1013
Preparation: EPA 5030B
Method: EPA 8260B

Project ARCO 11117

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
08-02-1141-1	**Aqueous**	**GC/MS Z**	**02/24/08**	**02/24/08**	**080224S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	93	96	86-122	3	0-8	
Carbon Tetrachloride	93	93	78-138	0	0-9	
Chlorobenzene	96	98	90-120	2	0-9	
1,2-Dibromoethane	95	95	70-130	0	0-30	
1,2-Dichlorobenzene	94	97	89-119	3	0-10	
1,1-Dichloroethene	108	105	52-142	3	0-23	
Ethylbenzene	95	98	70-130	3	0-30	
Toluene	93	97	85-127	5	0-12	
Trichloroethene	93	93	78-126	1	0-10	
Vinyl Chloride	99	96	56-140	2	0-21	
Methyl-t-Butyl Ether (MTBE)	86	91	64-136	5	0-28	
Tert-Butyl Alcohol (TBA)	96	103	27-183	4	0-60	
Diisopropyl Ether (DIPE)	92	95	78-126	4	0-16	
Ethyl-t-Butyl Ether (ETBE)	87	91	67-133	5	0-21	
Tert-Amyl-Methyl Ether (TAME)	86	94	63-141	9	0-21	
Ethanol	118	109	11-167	8	0-64	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Stratus Environmental, inc.		Date Received:	N/A
3330 Cameron Park Drive, Suite 550		Work Order No:	08-02-1013
Cameron Park, CA 95682-8861		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project: ARCO 11117

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-695-21	**Aqueous**	**GC 29**	**02/18/08**	**02/18/08**	**080218B01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gasoline Range Organics (C6-C12)	109	112	78-120	3	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Stratus Environmental, inc.		Date Received:	N/A
3330 Cameron Park Drive, Suite 550		Work Order No:	08-02-1013
Cameron Park, CA 95682-8861		Preparation:	EPA 5030B
		Method:	EPA 8015B (M)

Project: ARCO 11117

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-695-25	**Aqueous**	**GC 29**	**02/19/08**	**02/19/08**	**080218B03**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gasoline Range Organics (C6-C12)	106	106	78-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

Date Received: N/A
Work Order No: 08-02-1013
Preparation: EPA 5030B
Method: EPA 8260B

Project: ARCO 11117

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-703-35	**Aqueous**	**GC/MS Z**	**02/21/08**	**02/21/08**	**080221L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	104	105	87-117	1	0-7	
Carbon Tetrachloride	92	94	78-132	3	0-8	
Chlorobenzene	96	95	88-118	0	0-8	
1,2-Dibromoethane	90	90	80-120	0	0-20	
1,2-Dichlorobenzene	97	98	88-118	0	0-8	
1,1-Dichloroethene	96	96	71-131	0	0-14	
Ethylbenzene	100	102	80-120	1	0-20	
Toluene	99	99	85-127	0	0-7	
Trichloroethene	93	97	85-121	4	0-11	
Vinyl Chloride	98	99	64-136	1	0-10	
Methyl-t-Butyl Ether (MTBE)	90	91	67-133	2	0-16	
Tert-Butyl Alcohol (TBA)	90	90	34-154	0	0-19	
Diisopropyl Ether (DIPE)	101	108	80-122	6	0-8	
Ethyl-t-Butyl Ether (ETBE)	93	97	73-127	5	0-11	
Tert-Amyl-Methyl Ether (TAME)	89	91	69-135	2	0-12	
Ethanol	111	113	34-124	2	0-44	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

Date Received: N/A
Work Order No: 08-02-1013
Preparation: EPA 5030B
Method: EPA 8260B

Project: ARCO 11117

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-703-38	**Aqueous**	**GC/MS Z**	**02/21/08**	**02/21/08**	**080221L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	106	106	87-117	0	0-7	
Carbon Tetrachloride	86	92	78-132	6	0-8	
Chlorobenzene	93	100	88-118	7	0-8	
1,2-Dibromoethane	87	99	80-120	13	0-20	
1,2-Dichlorobenzene	102	101	88-118	1	0-8	
1,1-Dichloroethene	97	102	71-131	5	0-14	
Ethylbenzene	96	102	80-120	5	0-20	
Toluene	99	100	85-127	0	0-7	
Trichloroethene	94	95	85-121	1	0-11	
Vinyl Chloride	115	125	64-136	8	0-10	
Methyl-t-Butyl Ether (MTBE)	95	102	67-133	7	0-16	
Tert-Butyl Alcohol (TBA)	93	96	34-154	3	0-19	
Diisopropyl Ether (DIPE)	111	114	80-122	2	0-8	
Ethyl-t-Butyl Ether (ETBE)	100	105	73-127	5	0-11	
Tert-Amyl-Methyl Ether (TAME)	96	97	69-135	2	0-12	
Ethanol	109	109	34-124	0	0-44	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

Date Received: N/A
Work Order No: 08-02-1013
Preparation: EPA 5030B
Method: EPA 8260B

Project: ARCO 11117

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-703-43	**Aqueous**	**GC/MS Z**	**02/23/08**	**02/23/08**	**080223L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	96	97	87-117	0	0-7	
Carbon Tetrachloride	97	96	78-132	1	0-8	
Chlorobenzene	98	98	88-118	0	0-8	
1,2-Dibromoethane	97	96	80-120	1	0-20	
1,2-Dichlorobenzene	100	99	88-118	1	0-8	
1,1-Dichloroethene	95	94	71-131	2	0-14	
Ethylbenzene	101	101	80-120	1	0-20	
Toluene	96	96	85-127	1	0-7	
Trichloroethene	96	96	85-121	0	0-11	
Vinyl Chloride	96	95	64-136	1	0-10	
Methyl-t-Butyl Ether (MTBE)	97	98	67-133	1	0-16	
Tert-Butyl Alcohol (TBA)	97	92	34-154	5	0-19	
Diisopropyl Ether (DIPE)	100	101	80-122	1	0-8	
Ethyl-t-Butyl Ether (ETBE)	99	100	73-127	1	0-11	
Tert-Amyl-Methyl Ether (TAME)	97	97	69-135	0	0-12	
Ethanol	95	102	34-124	7	0-44	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Stratus Environmental, inc.
3330 Cameron Park Drive, Suite 550
Cameron Park, CA 95682-8861

Date Received: N/A
Work Order No: 08-02-1013
Preparation: EPA 5030B
Method: EPA 8260B

Project: ARCO 11117

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-703-45	Aqueous	GC/MS Z	02/24/08	02/24/08	080224L01

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	94	94	87-117	1	0-7	
Carbon Tetrachloride	91	90	78-132	1	0-8	
Chlorobenzene	96	96	88-118	0	0-8	
1,2-Dibromoethane	95	91	80-120	4	0-20	
1,2-Dichlorobenzene	94	94	88-118	0	0-8	
1,1-Dichloroethene	96	97	71-131	1	0-14	
Ethylbenzene	98	98	80-120	0	0-20	
Toluene	95	95	85-127	1	0-7	
Trichloroethene	93	92	85-121	0	0-11	
Vinyl Chloride	92	92	64-136	0	0-10	
Methyl-t-Butyl Ether (MTBE)	87	83	67-133	4	0-16	
Tert-Butyl Alcohol (TBA)	96	96	34-154	0	0-19	
Diisopropyl Ether (DIPE)	94	92	80-122	2	0-8	
Ethyl-t-Butyl Ether (ETBE)	89	86	73-127	4	0-11	
Tert-Amyl-Methyl Ether (TAME)	90	89	69-135	2	0-12	
Ethanol	114	115	34-124	1	0-44	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 08-02-1013

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Atlantic Richfield Company

A BP affiliated company

Chain of Custody Record

(1013)

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: 0600 2/11/08	Temp: 40's
Off-site	Time: 1350 2/12/08	Temp: 60's
Sky Conditions:	Clear Sunny	
Meteorological Events:		
Wind Speed:		Direction:

Lab Name:	Cal Science
Address:	7440 Lincoln Way
	Garden Grove CA 92841-1427
Lab PM:	Linda Scharpenberg
Tele/Fax:	714-895-5494 714-895-7501
BP/AR PM Contact:	Paul Supple
Address:	2010 Crow Canyon Place, Suite 150
	San Ramon, CA
Tele/Fax:	925-275-3506

BP/AR Facility No.:	11117
BP/AR Facility Address:	7210 Bancroft, Oakland
Site Lat/Long:	
California Global ID No.:	T0600100201
Enfos Project No.:	G07TK-0036
Provision or OOC (circle one)	Provision
Phase/WBS:	04-Monitoring
Sub Phase/Task:	03-Analytical
Cost Element:	01-Contractor labor

Consultant/Contractor:	Stratus Environmental, Inc.
Address:	3330 Cameron Park Drive, Suite 550
	Cameron Park, CA 95682
Consultant/Contractor Project No.:	E11117-04
Consultant/Contractor PM:	Jay Johnson
Tele/Fax:	(530) 676-6000 / (530) 676-6005
Report Type & QC Level:	Level 1 with EDF
E-mail EDD To:	shayes@stratusinc.net
Invoice to:	Atlantic Richfield Co.

Lab Bottle Order No:

Item No.	Sample Description	Time	Date 2008	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO	Requested Analysis: BTEX	Requested Analysis: 5 Oxy's	Requested Analysis: EDB	Requested Analysis: Ethanol	Requested Analysis: 1,2 DCA	Sample Point Lat/Long and Comments *Oxy = MTBE,TAME,ETBE,DIPE,TBA
1	MW-3	1015	2/11		X			6				X		X	X	X	X	X	X	by limited 8260B
2	MW-6	0944																		
3	MW-7	1120																		
4	MW-10	0720																		
5	MW-1	0815	2/12																	
6	MW-8	0654																		
7	MW-9	0750																		
8	MW-11	1135																		
9	DPE-1	1240																		
10	DPE-2																			

Sampler's Name:	T. Hall
Sampler's Company:	Stratus
Shipment Date:	2/13/08
Shipment Method:	STRATUS
Shipment Tracking No:	508927150

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
T. Hall	2/12/08	1600	J. SLATER / STRATUS	2-12-08	1600
J. SLATER / STRATUS	2-13-08	1018	CEL	2-13-08	1018
CEL TO GSO	2-13-08	1730			
GSO			CCL	2/14/08	9:40

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

Atlantic Richfield Company

A BP affiliated company

Chain of Custody Record

(1013)

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: 0600 2/11/08	Temp: 40's
Off-site Time: 1350 2/12/08	Temp: 60's
Sky Conditions: Clear Sunny	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: Cal Science	
Address: 7440 Lincoln Way	
Garden Grove CA 92841-1427	
Lab PM: Linda Scharpenberg	
Tele/Fax: 714-895-5494 714-895-7501	
BP/AR PM Contact: Paul Supple	
Address: 2010 Crow Canyon Place, Suite 150	
San Ramon, CA	
Tele/Fax: 925-275-3506	

BP/AR Facility No.:	11117
BP/AR Facility Address:	7210 Bancroft, Oakland
Site Lat/Long:	
California Global ID No.:	T0600100201
Enfos Project No.:	G07TK-0036
Provision or OOC (circle one)	Provision
Phase/WBS:	04-Monitoring
Sub Phase/Task:	03-Analytical
Cost Element:	01-Contractor labor

Consultant/Contractor:	Stratus Environmental, Inc.
Address:	3330 Cameron Park Drive, Suite 550
	Cameron Park, CA 95682
Consultant/Contractor Project No.:	E11117-04
Consultant/Contractor PM:	Jay Johnson
Tele/Fax:	(530) 676-6000 / (530) 676-6005
Report Type & QC Level:	Level 1 with EDF
E-mail EDD To:	shayes@stratusinc.net
Invoice to:	Atlantic Richfield Co.

Lab Bottle Order No:

	Item No.	Sample Description	Time	Date 2008	Matrix: Soil/Solid	Matrix: Water/Liquid	Matrix: Air	Laboratory No.	No. of Containers	Preservative: Unpreserved	Preservative: H_2SO_4	Preservative: HNO_3	Preservative: HCl	Preservative: Methanol	Requested Analysis: GRO	Requested Analysis: BTEX	Requested Analysis: 6 oxys	Requested Analysis: EDB	Requested Analysis: 1,2 DCA	Requested Analysis: Ethanol	Sample Point Lat/Long and Comments *Oxy = MTBE,TAME,ETBE,DIPE,TBA
11	1	DPE-3	1135	2/12		X			6				X		X	X	X	X	X	X	by limited 8260B
12	2	DPE-4	1040						9												
13	3	DPE-5	1240						6												
14	4	EX-1	1005						6												
15	5	EX-2	0910						6												
	6																				
	7																				
16	8	TB 11117 02110																			
	9																				ON HOLD
	10																				

Sampler's Name:	T. Hill
Sampler's Company:	Stratus
Shipment Date:	2/13/08
Shipment Method:	STRATUS
Shipment Tracking No:	708927150

Relinquished By / Affiliation	Date	Time
T. Hill	2/13/08	0900
J. SLATER / STRATUS CEL TO GSO	2-13-08	1018
	2-13-08	1730

Accepted By / Affiliation	Date	Time
J. SLATER / STRATUS CEL	2-13-08	0900
	2-13-08	1018
CEL	2/14/08	0940

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

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 08 - 02 - 1013

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Stratus DATE: 2/14/08

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.
_____ °C Temperature blank.

LABORATORY (Other than Calscience Courier):

4.2 °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: HP

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: ✓ No (Not Intact) : _____ Not Present: _____

Initial: HP

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	~~✓~~ ES.	✓	
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)	✓		
VOA vial(s) free of headspace.	✓		
Tedlar bag(s) free of condensation			✓

Initial: HP

COMMENTS:

(-10) DPE-2 1/6 vials received broken.
2-14-08 E.S

ATTACHMENT

FIELD PROCEDURES FOR GROUNDWATER SAMPLING

The sampling procedures for groundwater monitoring events are contained in this appendix.

Equipment Calibration

Standard groundwater sampling equipment – pH/Conductivity/Temperature meter, and dissolved oxygen (DO) meters are calibrated prior to all field work. All calibration is conducted in accordance with equipment manufacturer's recommended procedure and buffer solutions. MSDS for all buffer solutions are maintained in Stratus vehicles. Calibration is completed everyday prior to field work and also once a week. The pH probe is calibrated for a pH of 7.0 daily and for 4.0, 7.0 and 10.0 weekly. The conductivity probe is calibrated for 1413 µs daily and 1413 µs and 447 µs weekly. The temperature probe is calibrated weekly with a NIST-traceable thermometer. The DO probe is calibrated for 100% oxygen daily and 0% and 100% oxygen weekly. All calibration logs are maintained in the Stratus office.

Groundwater and Liquid-Phase Petroleum Hydrocarbon Depth Assessment

Prior to measuring the depth to liquid in the well, the well caps are removed and the liquid level allowed to stabilize. A water/hydrocarbon interface probe is used to assess the liquid-phase petroleum hydrocarbon (LPH) thickness, if present, and a water level indicator is used to measure the groundwater depth in monitoring wells that do not contain LPH. Depth to groundwater or LPH is measured from a datum point at the top of each monitoring well casing. The datum point is typically a notch cut in the north side of the casing edge. If a water level indicator is used, the tip is subjectively analyzed for hydrocarbon sheen.

Subjective Analysis of Groundwater

Prior to purging, a water sample is collected from the monitoring well for subjective assessment. The sample is retrieved by gently lowering a clean, disposable bailer to approximately one-half the bailer length past the air/liquid interface. The bailer is then retrieved, and the sample contained within the bailer is examined for floating LPH and the appearance of a LPH sheen.

Monitoring Well Sampling

In many cases, determining whether to purge or not to purge wells prior to sample collection is made in the field and is often based on depth to water relative to the screen interval of the well. Site-specific field data sheets present details associated with the purge method and equipment used.

Monitoring wells, when purged, use a pump or bailer until pH, temperature, and conductivity of the purge water has stabilized and a minimum of three well volumes of water has been removed. Field measuring equipment is calibrated and maintained according to the manufacturer's instructions. If three well volumes cannot be removed in one half hour's time the well is allowed to recharge to 80% of original level. After recharging, a groundwater sample is then collected from each of the wells using disposable bailers.

A Teflon bailer, electric submersible or bladder pump will be the only equipment used for well sampling. When samples for volatile organic analysis are being collected, the pump flow will be regulated at approximately 100 milliliters per minute to minimize pump effluent turbulence and aeration. Glass bottles of at least 40-milliliters volume and fitted with Teflon-lined septa will be used in sampling for volatile organics. These bottles will be filled completely to prevent air accumulation in the bottle. A positive meniscus forms when the bottle is completely full. A convex Teflon septum will be placed over the positive meniscus to eliminate air. After the bottle is capped, it is inverted and tapped to verify that it contains no air bubbles. The sample containers for other parameters will be filled, filtered as required, and capped. Glass and plastic bottles used by Stratus to collect groundwater samples are supplied by the laboratory.

Groundwater Sample Labeling and Preservation

Samples are collected in appropriate containers supplied by the laboratory. All required chemical preservation is added to the bottles prior to delivery to Stratus. Sample label information includes a unique sample identification number, job identification number, date, and time. After labeling, all groundwater samples are placed in a Ziploc® type bag and placed in an ice chest cooled to approximately 4° Celsius. Upon arriving at Stratus' office the samples are transferred to a locked refrigerator cooled to approximately 4° Celsius. Chemical preservation is controlled by the required analysis and is noted on the chain-of-custody form. Trip and temperature blanks supplied by the laboratory accompany the groundwater sample containers and groundwater samples.

Sample Identification and Chain-of-Custody Procedures

Sample identification and chain-of-custody procedures document sample possession from the time of collection to ultimate disposal. Each sample container submitted for analysis has a label affixed to identify the job number, sampler, date and time of sample collection, and a sample number unique to that sample. This information, in addition to a description of the sample, field measurements made, sampling methodology, names of on-site personnel, and any other pertinent field observations, is recorded in the field records. The samples are analyzed by a California-certified laboratory.

A chain-of-custody form is used to record possession of the sample from time of collection to its arrival at the laboratory. When the samples are shipped, the person in custody of them relinquishes the samples by signing the chain-of-custody form and noting the time. The sample-control officer at the laboratory verifies sample integrity and confirms that the samples are collected in the proper containers, preserved correctly, and

contain adequate volumes for analysis. These conditions are noted on a Laboratory Sample Receipt Checklist that becomes part of the laboratory report upon request.

If these conditions are met, each sample is assigned a unique log number for identification throughout analysis and reporting. The log number is recorded on the chain-of-custody form and in the legally-required log book maintained by the laboratory. The sample description, date received, client's name, and other relevant information is also recorded.

Equipment Cleaning

All reusable sampling equipments are cleaned using phosphate-free detergents and rinsed with de-ionized water.

APPENDIX B

GEOTRACKER UPLOAD CONFIRMATION

Electronic Submittal Information

UPLOADING A GEO_WELL FILE

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

Submittal Title:	**1Q08 GEO_WELL 11117**
Facility Global ID:	**T0600100201**
Facility Name:	**BP #11117**
Submittal Date/Time:	**3/19/2008 4:16:36 PM**
Confirmation Number:	**7177676141**

Back to Main Menu

Electronic Submittal Information

Your EDF file has been successfully uploaded!

Confirmation Number: 2178971409
Date/Time of Submittal: 3/19/2008 4:19:06 PM
Facility Global ID: T0600100201
Facility Name: BP #11117
Submittal Title: 1Q08 GW Monitoring
Submittal Type: GW Monitoring Report

Click here to view the detections report for this upload.

BP #11117
7210 BANCROFT
OAKLAND, CA 94605

Regional Board - Case #: 01-0215
SAN FRANCISCO BAY RWQCB (REGION 2)
Local Agency (lead agency) - Case #: RO0000356
ALAMEDA COUNTY LOP - **(SP)**

CONF #	TITLE	QUARTER
2178971409	1Q08 GW Monitoring	Q1 2008

SUBMITTED BY	SUBMIT DATE	STATUS
Broadbent & Associates, Inc.	3/19/2008	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	15
# FIELD POINTS WITH DETECTIONS	11
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	10
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	M8015,SW8260B
TESTED FOR REQUIRED ANALYTES?	Y
LAB NOTE DATA QUALIFIERS	Y

QA/QC FOR 8021/8260 SERIES SAMPLES

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

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	N
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

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0