



Atlantic Richfield Company  
(a BP affiliated company)

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30 April 2009

Re: First Quarter 2009 Semi-Annual Ground-Water Monitoring Report  
Former BP Service Station # 11109  
4280 Foothill Boulevard  
Oakland, California  
ACEH Case #RO0000426

**RECEIVED**

9:46 am, May 01, 2009

Alameda County  
Environmental Health



"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 Manager

**First Quarter 2009 Semi-Annual  
Ground-Water Monitoring Report**  
Former BP Station #11109  
4280 Foothill Boulevard  
Oakland, California

Prepared for

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

Prepared by



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

30 April 2009

Project No. 06-88-646

30 April 2009

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

Attn.: Mr. Paul Supple

Re: First Quarter 2009 Semi-Annual Ground-Water Monitoring Report, Former BP Service Station #11109, 4280 Foothill Boulevard, Oakland, Alameda County, California.  
ACEH Case #RO0000426.

Dear Mr. Supple:

Provided herein is the *First Quarter 2009 Semi-Annual Ground-Water Monitoring Report* for Former BP Service Station #11109 located at 4280 Foothill Boulevard, Oakland, California (Site). This report presents a summary of results from semi-annual ground-water monitoring conducted at the Site during the First Quarter of 2009.

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

Sincerely,

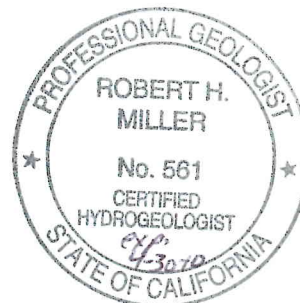
BROADBENT & ASSOCIATES, INC.



Thomas A. Venus, P.E.  
Senior Engineer



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



Enclosure

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

## STATION #11109 SEMI-ANNUAL GROUND-WATER MONITORING REPORT

Facility: #11109	Address:	4280 Foothill Boulevard, Oakland
Environmental Business Manager:		Mr. Paul Supple
Consulting Co./Contact Persons:		Broadbent & Associates, Inc.(BAI)/Rob Miller & Tom Venus, (530) 566-1400
Primary Agency/Regulatory ID No.:		Alameda County Environmental Health (ACEH) ACEH Case #RO0000426
Consultant Project No.:		06-88-646

### WORK PERFORMED THIS QUARTER (First Quarter 2009):

1. Prepared and submitted Fourth Quarter 2008 Status Report.
2. Prepared and submitted *Monitoring Well Installation and Dual-Phase Extraction Pilot Testing Work Plan* (BAI, 2/3/2009).
3. Conducted semi-annual ground-water monitoring/sampling for First Quarter 2009. Work performed on 4 March 2009 by Stratus Environmental, Inc. (Stratus).
4. Installed new monitoring wells MW-10, MW-11, and MW-12. Work performed on 23-24 March 2009 by Stratus.
5. Performed monthly free product gauging and bailing of well MW-5. Work performed on 14 January, 17 February, and 4 March 2009 by Stratus.

### WORK PROPOSED FOR NEXT QUARTER (Second Quarter 2009):

1. Prepare and submit this First Quarter 2009 Semi-Annual Groundwater Monitoring Report (contained herein).
2. Perform monthly free product gauging and bailing of well MW-5.
3. Conduct dual phase extraction pilot test.
4. Prepare and submit soil and ground-water investigation with dual-phase extraction pilot testing report by 10 June 2009, as requested by ACEH, pending completion of field activities and availability of field and laboratory data.

### QUARTERLY RESULTS SUMMARY:

Current phase of project:	<b>Ground-water monitoring/sampling/DPE IRM</b>
Frequency of ground-water monitoring:	<b>Monthly: MW-5 (Measure/Bail FP if present) Semi-Annually (1Q &amp; 3Q): MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9</b>
Frequency of ground-water sampling:	<b>Semi-Annually (1Q &amp; 3Q): MW-2, MW-4, MW-7 Annually (1Q): MW-3, MW-6, MW-8, MW-9</b>
Current remediation techniques:	<b>Monthly Free Product Bailing</b>
Is Free Product (FP) present on-site:	<b>Yes (MW-5)</b>
FP recovered this quarter:	<b>12 gallons (FP/water mixture)</b>
Depth to ground water (below TOC):	<b>8.15 ft (MW-9) to 11.68 ft (MW-6)</b>
General ground-water flow direction:	<b>Southwest</b>
Approximate hydraulic gradient:	<b>0.02 ft/ft</b>

### DISCUSSION:

First quarter 2009 semi-annual ground-water monitoring and sampling was conducted at Former BP Station #11109 on 4 March 2009 by Stratus. Water levels were gauged in the eight wells at the Site. Separate phase hydrocarbons (SPH or Free Product-FP) were observed in well MW-5. In addition, well

MW-2 was reported dry at a total depth of 12.67 ft, although the well was initially drilled to approximately 20 ft below ground surface. Stratus stated that the suspected root mass within the well casing could not be broken up. No other irregularities were noted during water level gauging. Depth to water measurements across the Site ranged from 8.15 ft at MW-9 to 11.68 ft at MW-6. Resulting ground-water surface elevations ranged from 35.91 ft above mean sea level (msl) in well MW-9 to 31.44 ft above msl in well MW-8. Water level elevations were between historic minimum and maximum ranges for each well, as summarized in Table 1, with the following exceptions: historic maximum water level elevations were observed in wells MW-3 (34.64 ft), MW-7 (34.85 ft), and MW-9 (35.91 ft). When combined with the data from the nearby Chevron Station, water level elevations yielded a potentiometric ground-water flow direction and gradient of approximately 0.02 ft/ft to the southwest, consistent with historical data (see Table 3). Ground-water monitoring field data sheets for Station #11109 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 for the two sites are presented in Drawing 1. Chevron Station #9-0076 ground-water elevation data is summarized within the table provided by Gettler-Ryan in Appendix B.

Ground-water samples were collected from wells MW-3, MW-4 and MW-6 through MW-9. Well MW-2 was not sampled as the well was reported as "dry" (suspected blockage by root mass). Well MW-5 was not sampled as FP was present (See discussion below). Wells MW-3, MW-4 and MW-6 through MW-9 purged dry before three casing volumes were removed but recovered sufficiently prior to sampling. No other irregularities were reported during sampling. Samples were submitted under chain-of-custody documentation to Calscience Environmental Laboratories, Inc. (Garden Grove, California) to be analyzed for Gasoline Range Organics (GRO, C6-C12) by EPA Method 8015B; Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX) by EPA Method 8260B; and Tert-Amyl Methyl Ether (TAME), Tert-Butyl Alcohol (TBA), Di-Isopropyl Ether (DIPE), 1,2-Dibromomethane (EDB), 1,2-Dichloroethane (1,2-DCA), Ethanol, Ethyl Tert-Butyl Ether (ETBE), and Methyl Tert-Butyl Ether (MTBE) by EPA Method 8260B. No significant irregularities were encountered during laboratory analysis of the samples. Ground-water sampling field data sheets and the laboratory analytical report, including chain-of-custody documentation, are provided in Appendix A.

Gasoline Range Organics (GRO) were detected above laboratory reporting limits in two of the six wells sampled at concentrations of 140 micrograms per liter ( $\mu\text{g/L}$ ) in MW-4 and 720  $\mu\text{g/L}$  in well MW-7. Benzene, Toluene, Ethylbenzene, and TBA were detected above the laboratory reporting limit in well MW-7 at concentrations of 15  $\mu\text{g/L}$ , 0.59  $\mu\text{g/L}$ , 0.53  $\mu\text{g/L}$ , and 12  $\mu\text{g/L}$ , respectively. MTBE was detected above the laboratory reporting limit in four of the six wells sampled at concentrations up to 110  $\mu\text{g/L}$  in MW-4. The remaining fuel constituents were not detected above their laboratory reporting limits in the six wells sampled this quarter.

Detected analyte concentrations were within the historic minimum and maximum ranges recorded for each well with the exception of TBA, which reached a historic minimum value of 12  $\mu\text{g/L}$  in well MW-7. Historic laboratory analytical results for Former BP Station #11109 are summarized in Table 1 and Table 2. Historic laboratory analytical results for Chevron Station #9-0076 are provided in Appendix B. Drawing 1 provides First Quarter 2009 laboratory analytical results for GRO, Benzene, and MTBE constituents. A copy of the laboratory analytical report, including chain-of-custody documentation, is provided in Appendix A. Ground-water monitoring data (GEO\_WELL) and laboratory analytical results (EDF) were uploaded to the GeoTracker AB2886 database. Upload confirmation pages are provided in Appendix C.

Separate phase hydrocarbons (SPH, or Free Product – FP) were monitored and removed during each month of the First Quarter 2009. On 14 January 2009, FP was measured in well MW-5 at 0.11 feet. Approximately four gallons of FP/water mixture was bailed from well MW-5 during this visit. On

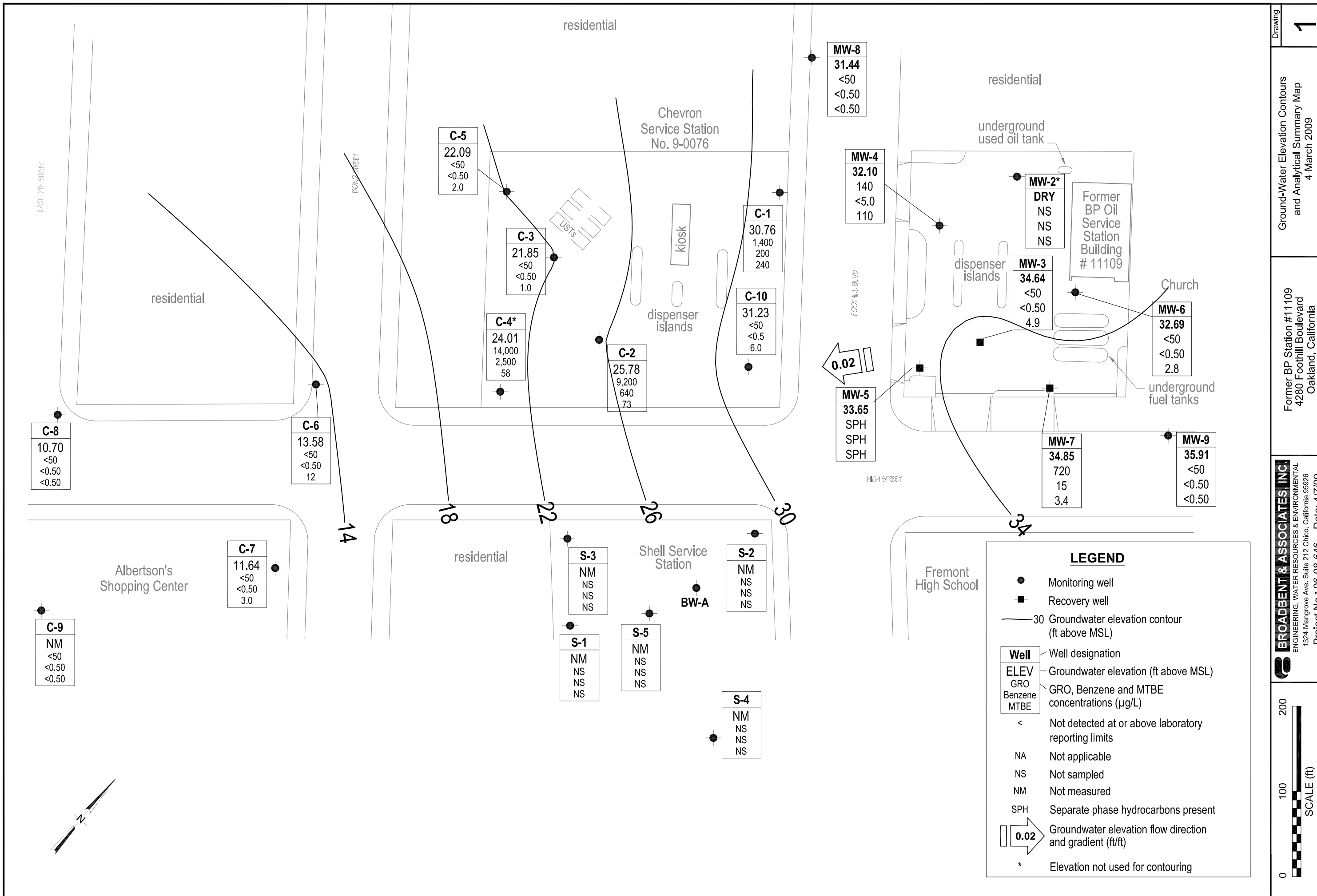
17 February 2009, FP thickness was measured in well MW-5 at 0.33 feet. Approximately four gallons of FP/water mixture was bailed from well MW-5 during this visit. On 4 March 2009 (during the scheduled semi-annual site sampling/monitoring event), FP thickness was measured in well MW-5 at 0.16 ft. Approximately four gallons of FP/water mixture was bailed from well MW-5 during this visit. Table 4 contains a summary of FP removal data.

#### **CLOSURE:**

The findings presented in this report are based upon: observations of Stratus and Gettler-Ryan field personnel (see Appendix A and Appendix B), the points investigated, and results of laboratory tests performed by Calscience Environmental Laboratories, Inc. (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, 4 March 2009, Former BP Station #11109, 4280 Foothill Boulevard, Oakland, California
- Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses, Station #11109, 4280 Foothill Blvd., Oakland, California
- Table 2. Summary of Fuel Additives Analytical Data, Station #11109, 4280 Foothill Blvd., Oakland, California
- Table 3. Historical Ground-Water Flow Direction and Gradient, Station #11109, 4280 Foothill Blvd., Oakland, California
- Table 4. Summary of Free Product Removal, Former BP Service Station #11109, 4280 Foothill Boulevard, Oakland, California
- Appendix A. Stratus Ground-Water Sampling Data Package (Includes Field Data Sheets, Laboratory Report, Chain of Custody Documentation, and Field Procedures)
- Appendix B. Co-Monitored Data
- Appendix C. GeoTracker Upload Confirmation



**LEGEND**

- Monitoring well
- Recovery well
- 30 Groundwater elevation contour (ft above MSL)

Well	Well designation
ELEV	Groundwater elevation (ft above MSL)
GRO	GRO, Benzene and MTBE concentrations (µg/L)
Benzene	
MTBE	

- < Not detected at or above laboratory reporting limits
- NA Not applicable
- NS Not sampled
- NM Not measured
- SPH Separate phase hydrocarbons present

0.02 Groundwater elevation flow direction and gradient (ft/ft)

\* Elevation not used for contouring

**C-8**  
10.70  
<50  
<0.50  
<0.50

**C-6**  
13.58  
<50  
<0.50  
12

**C-9**  
NM  
<50  
<0.50  
<0.50

**C-7**  
11.64  
<50  
<0.50  
3.0

**C-5**  
22.09  
<50  
<0.50  
2.0

**C-4\***  
24.01  
14,000  
2,500  
58

**C-3**  
21.85  
<50  
<0.50  
1.0

**C-2**  
25.78  
9,200  
640  
73

**C-1**  
30.76  
1,400  
200  
240

**C-10**  
31.23  
<50  
<0.5  
6.0

**S-1**  
NM  
NS  
NS  
NS

**S-3**  
NM  
NS  
NS  
NS

**S-5**  
NM  
NS  
NS  
NS

**S-4**  
NM  
NS  
NS  
NS

**S-2**  
NM  
NS  
NS  
NS

**MW-8**  
31.44  
<50  
<0.50  
<0.50

**MW-4**  
32.10  
140  
<5.0  
110

**MW-5**  
33.65  
SPH  
SPH  
SPH

**MW-2\***  
DRY  
NS  
NS  
NS

**MW-3**  
34.64  
<50  
<0.50  
4.9

**MW-7**  
34.85  
720  
15  
3.4

**MW-6**  
32.69  
<50  
<0.50  
2.8

**MW-9**  
35.91  
<50  
<0.50  
<0.50

0.02



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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
<b>MW-1</b>																		
1/31/1990	--		38.19	15.41	--	22.78	--	--	--	--	--	--	--	--	--	--	--	--
2/5/1990	--	c	38.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>MW-2</b>																		
2/5/1990	--		41.22	21.90	--	19.32	1,300	14	<0.1	9	13	--	--	SUP	--	--	--	--
2/14/1991	--	d	41.22	21.16	--	20.06	<50	<0.3	<0.3	<0.3	<0.3	--	--	SUP	--	<10000	<5000	51
5/13/1991	--	e	41.22	21.32	--	19.90	<50	<0.3	<0.3	<0.3	<0.3	--	--	SUP	--	<50	6,000	0.5
7/24/1991	--		41.22	22.92	--	18.30	--	--	--	--	--	--	--	--	--	--	--	--
10/3/1991	--	e	41.22	24.90	--	16.32	<50	<0.3	0.8	<0.3	<0.3	--	--	SUP	--	<50	<5000	0.7
10/15/1991	--		41.22	24.10	--	17.12	--	--	--	--	--	--	--	--	--	--	--	--
12/4/1991	--	f	41.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/16/1991	--		41.22	23.95	--	17.27	--	--	--	--	--	--	--	--	--	--	--	--
1/6/1992	--		41.22	23.30	--	17.92	<50	<0.3	<0.3	<0.3	<0.3	--	--	ANA	--	<50	<5000	--
1/22/1992	--		41.22	23.14	--	18.08	--	--	--	--	--	--	--	--	--	--	--	--
1/28/1992	--		41.22	22.99	--	18.23	--	--	--	--	--	--	--	--	--	--	--	--
2/5/1992	--		41.22	22.63	--	18.59	--	--	--	--	--	--	--	--	--	--	--	--
2/12/1992	--		41.22	22.04	--	19.18	--	--	--	--	--	--	--	--	--	--	--	--
2/17/1992	--		41.22	20.84	--	20.38	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1992	--		41.22	18.29	--	22.93	--	--	--	--	--	--	--	--	--	--	--	--
4/8/1992	--		41.22	18.86	--	22.36	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	63	<5000	--
4/14/1992	--		41.22	19.45	--	21.77	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1992	--		41.22	20.35	--	20.87	--	--	--	--	--	--	--	--	--	--	--	--
5/7/1992	--		41.22	20.84	--	20.38	--	--	--	--	--	--	--	--	--	--	--	--
7/3/1992	--		41.22	22.34	--	18.88	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
10/8/1992	--		41.22	23.73	--	17.49	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
12/31/1992	--		41.22	21.12	--	20.10	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
4/21/1993	--	g, n	41.22	17.68	--	23.54	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	<50	<5000	--
7/7/1993	--	e, n	41.22	20.30	--	20.92	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	1.0
9/21/1993	--	n	41.22	21.93	--	19.29	<50	0.9	0.7	0.7	2.6	21.54	--	PACE	--	--	--	--
12/17/1993	--		41.22	21.48	--	19.74	--	--	--	--	--	--	--	--	--	--	--	--
12/23/1993	--	n	41.22	--	--	--	<50	<0.5	<0.5	<0.5	0.7	--	--	PACE	--	--	--	--



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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-2 Cont.																		
4/7/1994	--	n	41.22	20.25	--	20.97	<50	<0.5	<0.5	<0.5	<0.5	12.2	5.9	PACE	--	--	--	--
7/6/1994	--	n	41.22	20.59	--	20.63	<50	<0.5	<0.5	<0.5	<0.5	--	3.1	PACE	--	--	--	--
10/7/1994	--	n	41.22	22.04	--	19.18	<50	<0.5	<0.5	<0.5	<0.5	15.2	2.8	PACE	--	--	--	--
1/27/1995	--		41.22	26.12	--	15.10	<50	<0.5	<0.5	<0.5	<1	--	4.8	ATI	--	440	<5000	--
3/30/1995	--		41.22	12.34	--	28.88	<50	<0.50	<0.50	<0.50	<1.0	--	7.2	ATI	--	--	--	--
6/20/1995	--		41.22	16.42	--	24.80	<50	<0.50	<0.50	<0.50	<1.0	--	6.0	ATI	--	--	--	--
10/3/1995	--		41.22	20.06	--	21.16	<50	<0.50	<0.50	<0.50	<1.0	<5.0	5.7	ATI	--	--	--	--
12/6/1995	--		41.22	21.31	--	19.91	<50	<0.50	<0.50	<0.50	<1.0	46	5.4	ATI	--	--	--	--
3/21/1996	--		41.22	12.28	--	28.94	<50	<0.5	<1.0	<1.0	<1.0	<1.0	7.4	SPL	--	--	--	--
6/21/1996	--		41.22	13.28	--	27.94	<50	<0.5	<1	<1	<1	<10	7.3	SPL	--	--	--	--
9/6/1996	--		41.22	13.94	--	27.28	--	--	--	--	--	--	--	--	--	--	--	--
9/9/1996	--		41.22	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	7.4	SPL	--	--	--	--
12/19/1996	--		41.22	12.19	--	29.03	<50	<0.5	<1.0	<1.0	<1.0	<10	7.9	SPL	--	--	--	--
3/17/1997	--		41.22	11.59	--	29.63	--	--	--	--	--	--	--	--	--	--	--	--
8/12/1997	--		41.22	13.21	--	28.01	--	--	--	--	--	--	--	--	--	--	--	--
12/10/1997	--		41.22	12.34	--	28.88	--	--	--	--	--	--	--	--	--	--	--	--
3/12/1998	--		41.22	11.04	--	30.18	--	--	--	--	--	--	--	--	--	--	--	--
6/23/1998	--		41.22	11.77	--	29.45	--	--	--	--	--	--	--	--	--	--	--	--
3/31/1999	--		41.22	12.38	--	28.84	--	--	--	--	--	--	--	--	--	--	--	--
8/25/1999	--		41.22	17.72	--	23.50	--	--	--	--	--	--	--	--	--	--	--	--
3/9/2000	--		41.22	11.94	--	29.28	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2001	--		41.22	10.31	--	30.91	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2002	--		41.22	14.35	--	26.87	--	--	--	--	--	--	--	--	--	--	--	--
3/18/2002	--		41.22	13.11	--	28.11	--	--	--	--	--	--	--	--	--	--	--	--
3/11/2003	--		41.22	13.24	--	27.98	--	--	--	--	--	--	--	--	--	--	--	--
12/09/2003	P	q	41.22	18.58	--	22.64	350	<0.50	<0.50	0.56	2.8	24	--	SEQM	6.2	--	--	--
03/09/2004	P		41.22	12.52	--	28.70	74	<0.50	<0.50	0.83	4.7	27	--	SEQM	6.5	--	--	--
09/17/2004	P		41.22	18.05	--	23.17	59	<0.50	<0.50	<0.50	<0.50	21	--	SEQM	6.3	--	--	--
03/07/2005	--	p	41.22	2.32	--	38.90	--	--	--	--	--	--	--	--	--	--	--	--
09/06/2005	--	r	41.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/06/2006	--	p	41.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
<b>MW-2 Cont.</b>																		
9/5/2006	--	p	41.22	10.46	--	30.76	79	<0.50	5.1	<0.50	0.73	<0.50	--	TAMC	6.4	--	--	--
3/5/2007	--	p	41.22	12.25	--	28.97	--	--	--	--	--	--	--	--	--	--	--	--
9/7/2007	--	r	41.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/6/2008	--	w	41.22	12.33	--	28.89	--	--	--	--	--	--	--	--	--	--	--	--
9/3/2008	--	r	41.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>3/4/2009</b>	--	<b>r</b>	<b>41.22</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>MW-3</b>																		
2/5/1990	--		40.74	17.45	--	23.29	1,400	15	<2.5	11	8	--	--	SUP	--	--	--	--
2/14/1991	--		40.74	18.52	--	22.22	320	8	<0.3	8	1	--	--	SUP	--	--	--	--
5/13/1991	--		40.74	19.32	--	21.42	640	13	<0.3	18	1	--	--	SUP	--	--	--	--
7/24/1991	--		40.74	20.69	--	20.05	--	--	--	--	--	--	--	--	--	--	--	--
10/3/1991	--		40.74	19.47	--	21.27	940	21	<0.3	23	2.1	--	--	SUP	--	--	--	--
10/15/1991	--		40.74	20.46	--	20.28	--	--	--	--	--	--	--	--	--	--	--	--
12/4/1991	--		40.74	18.29	--	22.45	--	--	--	--	--	--	--	--	--	--	--	--
12/16/1991	--		40.74	18.34	--	22.40	--	--	--	--	--	--	--	--	--	--	--	--
1/6/1992	--		40.74	18.50	--	22.24	580	6.1	1	6.1	7.1	--	--	ANA	--	--	--	--
1/22/1992	--		40.74	17.86	--	22.88	--	--	--	--	--	--	--	--	--	--	--	--
1/28/1992	--		40.74	15.84	--	24.90	--	--	--	--	--	--	--	--	--	--	--	--
2/5/1992	--		40.74	17.53	--	23.21	--	--	--	--	--	--	--	--	--	--	--	--
2/12/1992	--		40.74	17.15	--	23.59	--	--	--	--	--	--	--	--	--	--	--	--
2/17/1992	--		40.74	16.18	--	24.56	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1992	--		40.74	14.80	--	25.94	--	--	--	--	--	--	--	--	--	--	--	--
4/8/1992	--		40.74	17.06	--	23.68	1,100	30	4.6	32	11	--	--	ANA	--	--	--	--
4/14/1992	--		40.74	15.22	--	25.52	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1992	--		40.74	15.90	--	24.84	--	--	--	--	--	--	--	--	--	--	--	--
5/7/1992	--		40.74	16.35	--	24.39	--	--	--	--	--	--	--	--	--	--	--	--
7/3/1992	--		40.74	17.74	--	23.00	1,200	38	<2.5	24	<2.5	--	--	ANA	--	--	--	--
10/8/1992	--		40.74	19.06	--	21.68	1,400	31	<0.5	25	13	--	--	ANA	--	--	--	--
12/31/1992	--		40.74	16.61	--	24.13	820	12	4.1	13	5.9	--	--	ANA	--	--	--	--
12/31/1992	--	h	40.74	--	--	--	960	11	3.6	10	3.8	--	--	ANA	--	--	--	--

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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-3 Cont.																		
4/21/1993	--	h, n	40.74	--	--	--	390	5	<0.5	3.7	1.5	--	--	PACE	--	--	--	--
4/21/1993	--	n	40.74	14.24	--	26.50	420	5.6	<0.5	3.9	1.4	--	--	PACE	--	--	--	--
7/7/1993	--	i, n	40.13	15.19	--	24.94	54	0.6	0.6	<0.5	<0.5	12.68	--	PACE	--	--	--	--
9/21/1993	--	n	40.13	16.58	--	23.55	540	7.9	0.9	4.7	2.4	--	--	PACE	--	--	--	--
12/17/1993	--		40.13	15.82	--	24.31	--	--	--	--	--	--	--	--	--	--	--	--
12/23/1993	--	n	40.13	--	--	--	500	9.8	1.5	3.3	2.1	--	--	PACE	--	--	--	--
12/23/1993	--	h	40.13	--	--	--	480	9.2	<0.5	5.4	5.3	--	--	PACE	--	--	--	--
4/7/1994	--	h	40.13	--	--	--	460	20	7.7	9	11	--	--	PACE	--	--	--	--
4/7/1994	--	n	40.13	28.50	--	11.63	460	20	7.4	8.9	11	18.2	--	PACE	--	--	--	--
7/6/1994	--	n	40.13	--	--	--	300	10	0.6	1.7	6.4	5.54	4.8	PACE	--	--	--	--
10/7/1994	--	n	40.13	27.65	--	12.48	620	28	<0.5	2.2	12	31.4	4.4	PACE	--	--	31	--
1/27/1995	--	j	40.13	27.65	--	12.48	--	--	--	--	--	--	--	--	--	--	--	--
3/30/1995	--		40.13	26.05	--	14.08	300	10	6	3.4	18	--	7.6	ATI	--	--	--	--
6/20/1995	--		40.13	19.49	--	20.64	170	7.2	3.4	0.85	15	--	--	ATI	--	--	--	--
10/3/1995	--		40.13	24.93	--	15.20	170	2.1	<0.50	0.81	8	6.7	--	ATI	--	--	--	--
12/6/1995	--		40.13	25.14	--	14.99	1,700	6.7	3.1	2.8	210	64	--	ATI	--	--	--	--
12/6/1995	--	h	40.13	--	--	--	1,400	6.1	3	1.7	190	53	--	ATI	--	--	--	--
3/21/1996	--		40.13	9.48	--	30.65	<50	0.5	<1	<1	1	<10	7.3	SPL	--	--	--	--
6/21/1996	--		40.13	11.60	--	28.53	<50	13	<1	<1	<1	12	7.6	SPL	--	--	--	--
9/6/1996	--		40.13	12.23	--	27.90	--	--	--	--	--	--	--	--	--	--	--	--
9/9/1996	--		40.13	--	--	--	<250	6.5	<5.0	<5.0	<5.0	<50	7.6	SPL	--	--	--	--
12/19/1996	--		40.13	10.46	--	29.67	<50	4.1	<1.0	<1.0	<1.0	<10	8.4	SPL	--	--	--	--
3/17/1997	--		40.13	9.86	--	30.27	50	<5	<1.0	<1.0	<1.0	<10	7.4	SPL	--	--	--	--
8/12/1997	--		40.13	12.11	--	28.02	<50	0.79	<1.0	<1.0	<1.0	10	6.1	SPL	--	--	--	--
12/10/1997	--		40.13	10.90	--	29.23	<50	<0.5	<1.0	<1.0	<1.0	<10	3.2	SPL	--	--	--	--
3/12/1998	--	h	40.13	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	--	SPL	--	--	--	--
3/12/1998	--		40.13	10.20	--	29.93	<50	<0.5	<1.0	<1.0	<1.0	<10	6.3	SPL	--	--	--	--
6/23/1998	--		40.13	10.17	--	29.96	50	<0.5	<1.0	<1.0	<1.0	<10	3.4	SPL	--	--	--	--
3/31/1999	--		40.13	11.45	--	28.68	60	<1.0	<1.0	<1.0	<1.0	6.2	--	SPL	--	--	--	--
8/25/1999	--		40.13	12.52	--	27.61	<50	<1.0	<1.0	<1.0	<1.0	7.7	--	SPL	--	--	--	--
3/9/2000	--		40.13	12.39	--	27.74	<50	<0.5	0.54	<0.5	1.7	6.3	--	PACE	--	--	--	--

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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
<b>MW-3 Cont.</b>																		
3/8/2001	--		40.13	10.41	--	29.72	<50	<0.5	<0.5	<0.5	0.59	7.7	--	PACE	--	--	--	--
3/8/2002	--		40.13	9.83	--	30.30	62	<0.5	<0.5	<0.5	<1.0	11.6	--	PACE	--	--	--	--
3/18/2002	--		40.13	9.20	--	30.93	--	--	--	--	--	--	--	--	--	--	--	--
3/11/2003	--		40.13	10.54	--	29.59	<50	<0.50	<0.50	<0.50	<0.50	6.7	--	SEQ	--	--	--	--
12/09/2003	P		40.13	12.88	--	27.25	<50	<0.50	<0.50	<0.50	<0.50	6.4	--	SEQM	6.3	--	--	--
03/09/2004	P		40.13	9.49	--	30.64	<50	<0.50	<0.50	<0.50	0.63	6.9	--	SEQM	6.1	--	--	--
09/17/2004	--		40.13	12.76	--	27.37	--	--	--	--	--	--	--	--	--	--	--	--
03/07/2005	P		40.13	7.30	--	32.83	<50	<0.50	<0.50	<0.50	0.52	5.1	--	SEQM	7.0	--	--	--
09/06/2005	--		42.92	10.81	--	32.11	--	--	--	--	--	--	--	--	--	--	--	--
03/06/2006	P	u	42.92	8.85	--	34.07	<50	<0.50	<0.50	<0.50	<0.50	6.9	--	SEQM	6.8	--	--	--
9/5/2006	--		42.92	9.86	--	33.06	--	--	--	--	--	--	--	--	--	--	--	--
3/5/2007	P		42.92	8.33	--	34.59	<50	<0.50	<0.50	<0.50	<0.50	5.4	2.31	TAMC	6.95	--	--	--
9/7/2007	--		42.92	11.10	--	31.82	--	--	--	--	--	--	--	--	--	--	--	--
3/6/2008	P		42.92	8.92	--	34.00	<50	<0.50	<0.50	<0.50	<0.50	4.2	2.5	CEL	6.86	--	--	--
9/3/2008	--		42.92	12.19	--	30.73	--	--	--	--	--	--	--	--	--	--	--	--
<b>3/4/2009</b>	<b>P</b>		<b>42.92</b>	<b>8.28</b>	--	<b>34.64</b>	<b>&lt;50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>4.9</b>	<b>1.19</b>	<b>CEL</b>	<b>6.71</b>	--	--	--
<b>MW-4</b>																		
2/5/1990	--		40.11	20.75	--	19.36	620	<0.5	9	<0.5	10	--	--	SUP	--	--	--	--
2/14/1991	--		40.11	21.73	--	18.38	180	<0.3	<0.3	0.4	2	--	--	SUP	--	--	--	--
5/13/1991	--		40.11	18.55	--	21.56	72	0.7	<0.3	<0.3	<0.3	--	--	SUP	--	--	--	--
7/24/1991	--		40.11	21.31	--	18.80	--	--	--	--	--	--	--	--	--	--	--	--
10/3/1991	--		40.11	22.57	--	17.54	57	<0.3	<0.3	<0.3	<0.3	--	--	SUP	--	--	--	--
10/15/1991	--		40.11	22.88	--	17.23	--	--	--	--	--	--	--	--	--	--	--	--
12/4/1991	--		40.11	22.54	--	17.57	--	--	--	--	--	--	--	--	--	--	--	--
12/16/1991	--		40.11	22.59	--	17.52	--	--	--	--	--	--	--	--	--	--	--	--
1/6/1992	--		40.11	22.00	--	18.11	480	0.8	3.2	1.9	7.7	--	--	ANA	--	--	--	--
1/22/1992	--		40.11	21.58	--	18.53	--	--	--	--	--	--	--	--	--	--	--	--
1/28/1992	--		40.11	21.42	--	18.69	--	--	--	--	--	--	--	--	--	--	--	--
2/5/1992	--		40.11	21.10	--	19.01	--	--	--	--	--	--	--	--	--	--	--	--
2/12/1992	--		40.11	20.74	--	19.37	--	--	--	--	--	--	--	--	--	--	--	--

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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-4 Cont.																		
2/17/1992	--		40.11	19.78	--	20.33	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1992	--		40.11	16.80	--	23.31	--	--	--	--	--	--	--	--	--	--	--	--
4/8/1992	--		40.11	17.13	--	22.98	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
4/14/1992	--		40.11	17.74	--	22.37	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1992	--		40.11	18.56	--	21.55	--	--	--	--	--	--	--	--	--	--	--	--
5/7/1992	--		40.11	19.10	--	21.01	--	--	--	--	--	--	--	--	--	--	--	--
7/3/1992	--		40.11	20.71	--	19.40	<50	0.6	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
10/8/1992	--		40.11	22.43	--	17.68	270	<0.5	2.1	2.5	3.2	--	--	ANA	--	--	--	--
12/31/1992	--		40.11	19.58	--	20.53	150	<0.5	<0.5	<0.5	1.3	--	--	ANA	--	--	--	--
4/21/1993	--	n	40.11	17.79	--	22.32	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
7/7/1993	--	n	40.11	18.44	--	21.67	160	1.2	5.4	3.8	19	5.51	--	PACE	--	--	--	--
9/21/1993	--	n	40.11	20.14	--	19.97	71	<0.5	1.9	<0.5	2.1	--	--	PACE	--	--	--	--
12/17/1993	--		40.11	19.80	--	20.31	--	--	--	--	--	--	--	--	--	--	--	--
12/23/1993	--	n	40.11	--	--	--	<50	3.1	1.6	0.8	3.8	5.7	--	PACE	--	--	--	--
4/7/1994	--	n	40.11	19.12	--	20.99	<50	<0.5	<0.5	<0.5	<0.5	11.7	6.6	PACE	--	--	--	--
7/6/1994	--	n	40.11	19.90	--	20.21	62	<0.5	<0.5	<0.5	<0.5	--	4.1	PACE	--	--	--	--
10/7/1994	--	n	40.11	20.07	--	20.04	<50	<0.5	<0.5	<0.5	<0.5	7.38	3.6	PACE	--	--	--	--
1/27/1995	--		40.11	13.72	--	26.39	<50	<0.5	<0.5	<0.5	<1	--	2.7	ATI	--	--	--	--
3/30/1995	--		40.11	11.46	--	28.65	<50	<0.50	<0.50	<0.50	<1.0	--	8.3	ATI	--	--	--	--
6/20/1995	--		40.11	14.78	--	25.33	<50	<0.50	<0.50	<0.50	<1.0	--	--	ATI	--	--	--	--
10/3/1995	--		40.11	19.62	--	20.49	<50	<0.50	<0.50	<0.50	<1.0	5	5.8	ATI	--	--	--	--
12/6/1995	--		40.11	19.91	--	20.20	<50	<0.50	<0.50	<0.50	<1.0	47	5.7	ATI	--	--	--	--
3/21/1996	--		40.11	11.12	--	28.99	<50	<0.5	<1	<1	<1	<10	7.8	SPL	--	--	--	--
6/21/1996	--		40.11	12.21	--	27.90	<50	<0.5	<1	<1	<1	<10	7.9	SPL	--	--	--	--
9/6/1996	--		40.11	12.89	--	27.22	--	--	--	--	--	--	--	--	--	--	--	--
9/9/1996	--		40.11	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	7.2	SPL	--	--	--	--
12/19/1996	--		40.11	11.01	--	29.10	<50	<0.5	<1.0	<1.0	<1.0	<10	8.4	SPL	--	--	--	--
3/17/1997	--		40.11	10.42	--	29.69	--	--	--	--	--	--	--	--	--	--	--	--
8/12/1997	--		40.11	12.77	--	27.34	--	--	--	--	--	--	--	--	--	--	--	--
12/10/1997	--		40.11	11.22	--	28.89	--	--	--	--	--	--	--	--	--	--	--	--
3/12/1998	--		40.11	10.81	--	29.30	--	--	--	--	--	--	--	--	--	--	--	--

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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
<b>MW-4 Cont.</b>																		
6/23/1998	--		40.11	10.61	--	29.50	--	--	--	--	--	--	--	--	--	--	--	--
3/31/1999	--		40.11	11.46	--	28.65	--	--	--	--	--	--	--	--	--	--	--	--
8/25/1999	--		40.11	16.16	--	23.95	--	--	--	--	--	--	--	--	--	--	--	--
3/9/2000	--		40.11	12.23	--	27.88	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2001	--		40.11	11.04	--	29.07	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2002	--		40.11	12.73	--	27.38	--	--	--	--	--	--	--	--	--	--	--	--
3/18/2002	--		40.11	11.62	--	28.49	--	--	--	--	--	--	--	--	--	--	--	--
3/11/2003	--		40.11	13.44	--	26.67	--	--	--	--	--	--	--	--	--	--	--	--
12/09/2003	P		40.11	15.03	--	25.08	<250	<2.5	<2.5	<2.5	<2.5	130	--	SEQM	6.1	--	--	--
03/09/2004	P		40.11	11.04	--	29.07	<50	<0.50	<0.50	<0.50	<0.50	35	--	SEQM	5.5	--	--	--
09/17/2004	P		40.11	16.75	--	23.36	<250	<2.5	<2.5	<2.5	<2.5	140	--	SEQM	6.5	--	--	--
03/07/2005	P		40.11	11.02	--	29.09	67	<0.50	<0.50	<0.50	<0.50	42	--	SEQM	6.6	--	--	--
09/06/2005	P	s, t	42.88	14.64	--	28.24	81	<0.50	<0.50	<0.50	<1.5	180	--	SEQM	6.7	--	--	--
03/06/2006	P		42.88	12.42	--	30.46	<100	<1.0	<1.0	<1.0	<1.0	110	--	SEQM	6.4	--	--	--
9/5/2006	--		42.88	13.81	--	29.07	130	<1.0	<1.0	<1.0	<1.0	190	--	TAMC	6.5	--	--	--
3/5/2007	P		42.88	10.63	--	32.25	<50	<0.50	<0.50	<0.50	<0.50	13	3.34	TAMC	7.11	--	--	--
9/7/2007	P	s, v (MTBE)	42.88	14.77	--	28.11	90	<0.50	<0.50	<0.50	<0.50	130	1.14	TAMC	6.68	--	--	--
3/6/2008	P		42.88	11.30	--	31.58	<50	<0.50	<0.50	<0.50	<0.50	170	1.76	CEL	6.62	--	--	--
9/3/2008	P		42.88	16.11	--	26.77	<50	<5.0	<5.0	<5.0	<5.0	150	1.97	CEL	6.33	--	--	--
<b>3/4/2009</b>	<b>P</b>		<b>42.88</b>	<b>10.78</b>	<b>--</b>	<b>32.10</b>	<b>140</b>	<b>&lt;5.0</b>	<b>&lt;5.0</b>	<b>&lt;5.0</b>	<b>&lt;5.0</b>	<b>110</b>	<b>1.31</b>	<b>CEL</b>	<b>6.47</b>	<b>--</b>	<b>--</b>	<b>--</b>
<b>MW-5</b>																		
10/3/1991	--		39.55	18.08	--	21.47	79,000	13,000	7,400	1,400	6,200	--	--	SUP	--	--	--	--
10/15/1991	--		39.55	18.55	--	21.00	--	--	--	--	--	--	--	--	--	--	--	--
12/4/1991	--	a	39.55	18.44	0.13	20.98	--	--	--	--	--	--	--	--	--	--	--	--
12/16/1991	--	a	39.55	18.66	0.01	20.88	--	--	--	--	--	--	--	--	--	--	--	--
1/6/1992	--	a	39.55	19.12	0.11	20.32	--	--	--	--	--	--	--	--	--	--	--	--
1/22/1992	--		39.55	14.59	--	24.96	--	--	--	--	--	--	--	--	--	--	--	--
1/28/1992	--		39.55	15.25	--	24.30	--	--	--	--	--	--	--	--	--	--	--	--
2/5/1992	--	q	39.55	15.58	--	23.97	--	--	--	--	--	--	--	--	--	--	--	--

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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-5 Cont.																		
2/12/1992	--	a	39.55	15.54	0.01	24.00	--	--	--	--	--	--	--	--	--	--	--	--
2/17/1992	--	q	39.55	13.98	--	25.57	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1992	--	a	39.55	13.63	0.04	25.88	--	--	--	--	--	--	--	--	--	--	--	--
4/8/1992	--	a	39.55	13.17	0.01	26.37	--	--	--	--	--	--	--	--	--	--	--	--
4/14/1992	--	a	39.55	13.45	0.01	26.09	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1992	--	a	39.55	13.75	0.07	25.73	--	--	--	--	--	--	--	--	--	--	--	--
5/7/1992	--	a	39.55	16.15	0.04	23.36	--	--	--	--	--	--	--	--	--	--	--	--
7/3/1992	--	a	39.55	17.67	0.08	21.80	--	--	--	--	--	--	--	--	--	--	--	--
9/1/1992	--	a	39.55	17.83	0.50	21.22	--	--	--	--	--	--	--	--	--	--	--	--
10/8/1992	--	a	39.55	17.86	0.92	20.77	--	--	--	--	--	--	--	--	--	--	--	--
12/31/1992	--	q	39.55	15.20	--	24.35	--	--	--	--	--	--	--	--	--	--	--	--
4/21/1993	--	a	39.55	12.64	0.02	26.89	--	--	--	--	--	--	--	--	--	--	--	--
7/7/1993	--	a, i	39.14	12.68	0.82	25.64	--	--	--	--	--	--	--	--	--	--	--	--
9/21/1993	--	q	39.14	14.35	--	24.79	--	--	--	--	--	--	--	--	--	--	--	--
12/17/1993	--	a	39.14	12.61	0.41	26.12	--	--	--	--	--	--	--	--	--	--	--	--
4/7/1994	--	n	39.14	30.00	--	9.14	66,000	3,000	1,700	250	6,800	2,002	--	PACE	--	--	--	--
7/6/1994	--	n	39.14	--	--	--	29,000	1,900	330	63	2,700	1,141	--	PACE	--	--	--	--
10/7/1994	--	h	39.14	--	--	--	45,000	2,900	540	260	2,600	--	--	PACE	--	--	--	--
10/7/1994	--	n	39.14	28.70	--	10.44	250,000	2,600	660	830	5,200	37.7	4.2	PACE	--	--	--	--
1/27/1995	--		39.14	28.70	--	10.44	--	--	--	--	--	--	--	--	--	--	--	--
3/30/1995	--		39.14	28.95	--	10.19	50,000	7,900	2,600	520	6,400	--	5.5	ATI	--	--	--	--
3/30/1995	--	h	39.14	--	--	--	43,000	7,900	2,500	440	6,200	--	--	ATI	--	--	--	--
6/20/1995	--	h	39.14	--	--	--	26,000	3,500	290	<25	3,300	--	--	ATI	--	--	--	--
6/20/1995	--		39.14	22.54	--	16.60	34,000	5,100	1,900	300	3,700	--	--	ATI	--	--	--	--
10/3/1995	--		39.14	18.84	--	20.30	12,000	68	42	11	1,600	330	--	ATI	--	--	--	--
10/3/1995	--	h	39.14	--	--	--	12,000	46	39	10	1,600	320	--	ATI	--	--	--	--
12/6/1995	--		39.14	19.07	--	20.07	16,000	1,200	93	51	700	600	--	ATI	--	--	--	--
3/21/1996	--	h	39.14	--	--	--	1,900	92	30	7	270	<10	--	SPL	--	--	--	--
3/21/1996	--		39.14	7.43	--	31.71	1,500	89	28	6	250	<10	7.2	SPL	--	--	--	--
6/21/1996	--		39.14	9.87	--	29.27	3,500	740	150	19	400	<100	7.1	SPL	--	--	--	--
6/21/1996	--	h	39.14	--	--	--	2,700	680	140	20	400	<50	--	SPL	--	--	--	--

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

**Station #11109, 4280 Foothill Blvd., Oakland, CA**

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
<b>MW-5 Cont.</b>																		
9/6/1996	--		39.14	10.52	--	28.62	--	--	--	--	--	--	--	--	--	--	--	--
9/9/1996	--		39.14	--	--	--	82,000	3,100	1,700	850	9,100	<2500	7.5	SPL	--	--	--	--
9/9/1996	--	h	39.14	--	--	--	90,000	2,900	1,600	670	6,900	<2500	--	SPL	--	--	--	--
12/19/1996	--	h	39.14	--	--	--	26,000	490	430	63	1,140	<500	--	SPL	--	--	--	--
12/19/1996	--		39.14	8.62	--	30.52	41,000	790	820	120	2,040	<500	7.7	SPL	--	--	--	--
3/17/1997	--		39.14	8.22	--	30.92	5,500	1.9	2.4	<1.0	<1.0	29	6.4	SPL	--	--	--	--
3/17/1997	--	h	39.14	--	--	--	6,600	2.5	2.7	<1.0	<1.0	28	--	SPL	--	--	--	--
8/12/1997	--	a	39.14	12.18	0.22	26.74	33,000	6,400	2,400	680	4,400	<1000	6.8	SPL	--	--	--	--
8/12/1997	--	h	39.14	--	--	--	36,000	6,100	2,500	720	4,500	<500	--	SPL	--	--	--	--
12/10/1997	--	a	39.14	10.78	0.06	28.30	31,000	3,000	2,500	560	5,100	500	1.8	SPL	--	--	--	--
12/10/1997	--	h	39.14	--	--	--	37,000	2,900	2,500	440	4,800	--	--	SPL	--	--	--	--
3/12/1998	--	a	39.14	10.11	0.22	28.81	100,000	1,600	870	250	2,600	<250	6.1	SPL	--	--	--	--
6/23/1998	--	a	39.14	10.20	0.02	28.92	27,000	2,500	840	370	2,900	<250	2.1	SPL	--	--	--	--
6/23/1998	--	h	39.14	--	--	--	27,000	2,600	840	400	2,950	<500	--	SPL	--	--	--	--
3/31/1999	--	f	39.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8/25/1999	--	a	39.14	14.69	0.38	24.07	180,000	2,700	400	830	2,800	26	--	SPL	--	--	--	--
3/9/2000	--	a	39.14	14.83	0.60	23.71	53,000	12,000	2,600	1,900	9,100	<5.0	--	PACE	--	--	--	--
3/8/2001	--	f	39.14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2002	--	a	39.14	11.45	1.50	26.19	33,000	8,240	1,080	1,010	2,900	34.3	--	PACE	--	--	--	--
3/18/2002	--		39.14	8.03	--	31.11	--	--	--	--	--	--	--	--	--	--	--	--
3/11/2003	--	a	39.14	9.60	0.45	29.09	--	--	--	--	--	--	--	--	--	--	--	--
12/09/2003	--	a	39.14	11.44	0.03	27.72	--	--	--	--	--	--	--	--	--	--	--	--
03/09/2004	P		39.14	7.91	--	31.23	31,000	3,900	1,100	780	3,600	<50	--	SEQM	6.6	--	--	--
09/17/2004	--	a	39.14	12.13	0.15	27.13	--	--	--	--	--	--	--	--	--	--	--	--
03/07/2005	--	a	39.14	8.62	0.02	27.13	--	--	--	--	--	--	--	--	--	--	--	--
09/06/2005	--	a	41.98	11.16	0.18	30.96	--	--	--	--	--	--	--	--	--	--	--	--
03/06/2006	P	a, q	41.98	8.60	SHEEN	33.38	32,000	7,500	810	1,200	2,300	<50	--	SEQM	6.4	--	--	--
9/5/2006	--	a	41.98	6.16	0.03	35.82	--	--	--	--	--	--	--	--	--	--	--	--
3/5/2007	P	q	41.98	8.34	SHEEN	33.64	90,000	10,000	4,200	1,900	7,900	<50	1.30	TAMC	6.91	--	--	--
9/7/2007	--	a	41.98	15.15	0.15	26.94	--	--	--	--	--	--	--	--	--	--	--	--
1/14/2008	--	a	41.98	10.30	0.49	32.05	--	--	--	--	--	--	--	--	--	--	--	--



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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
<b>MW-5 Cont.</b>																		
2/27/2008	--	a	41.98	13.22	0.12	28.85	--	--	--	--	--	--	--	--	--	--	--	--
3/6/2008	--	a	41.98	12.90	0.14	29.19	--	--	--	--	--	--	--	--	--	--	--	--
9/3/2008	--	a	41.98	12.90	0.99	29.82	--	--	--	--	--	--	--	--	--	--	--	--
<b>3/4/2009</b>	<b>--</b>	<b>a</b>	<b>41.98</b>	<b>8.45</b>	<b>0.16</b>	<b>33.65</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
<b>MW-6</b>																		
10/3/1991	--		41.59	20.73	--	20.86	<50	0.7	0.8	<0.3	1.3	--	--	SUP	--	--	--	--
10/15/1991	--		41.59	21.20	--	20.39	--	--	--	--	--	--	--	--	--	--	--	--
12/4/1991	--		41.59	21.26	--	20.33	--	--	--	--	--	--	--	--	--	--	--	--
12/16/1991	--		41.59	21.12	--	20.47	--	--	--	--	--	--	--	--	--	--	--	--
1/6/1992	--		41.59	20.29	--	21.30	<50	<0.5	<0.5	<0.5	1.6	--	--	ANA	--	--	--	--
1/22/1992	--		41.59	20.12	--	21.47	--	--	--	--	--	--	--	--	--	--	--	--
1/28/1992	--		41.59	20.20	--	21.39	--	--	--	--	--	--	--	--	--	--	--	--
2/5/1992	--		41.59	20.09	--	21.50	--	--	--	--	--	--	--	--	--	--	--	--
2/12/1992	--		41.59	19.15	--	22.44	--	--	--	--	--	--	--	--	--	--	--	--
2/17/1992	--		41.59	18.02	--	23.57	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1992	--		41.59	16.62	--	24.97	--	--	--	--	--	--	--	--	--	--	--	--
4/8/1992	--		41.59	17.06	--	24.53	<50	0.6	<0.5	0.8	<0.5	--	--	ANA	--	--	--	--
4/14/1992	--		41.59	17.23	--	24.36	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1992	--		41.59	18.12	--	23.47	--	--	--	--	--	--	--	--	--	--	--	--
5/7/1992	--		41.59	18.52	--	23.07	--	--	--	--	--	--	--	--	--	--	--	--
7/3/1992	--		41.59	19.71	--	21.88	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
10/8/1992	--		41.59	21.22	--	20.37	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
10/8/1992	--	h	41.59	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
12/31/1992	--		41.59	21.33	--	20.26	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
4/21/1993	--	n	41.59	16.45	--	25.14	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
7/7/1993	--	j, n	41.59	18.68	--	22.91	<50	<0.5	<0.5	<0.5	<0.5	28.96	--	PACE	--	--	29	--
9/21/1993	--	n	41.59	19.64	--	21.95	<50	<0.5	<0.5	<0.5	1.6	--	--	PACE	--	--	--	--
12/17/1993	--		41.59	21.08	--	20.51	--	--	--	--	--	--	--	--	--	--	--	--
12/23/1993	--	n	41.59	--	--	--	<50	<0.5	0.5	<0.5	0.6	13.95	--	PACE	--	--	--	--
4/7/1994	--	n	41.59	21.27	--	20.32	<50	<0.5	<0.5	<0.5	<0.5	35.1	6.1	PACE	--	--	--	--

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**Station #11109, 4280 Foothill Blvd., Oakland, CA**

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
<b>MW-6 Cont.</b>																		
7/6/1994	--	n	41.59	19.81	--	21.78	<50	<0.5	<0.5	<0.5	<0.5	--	4.0	PACE	--	--	--	--
7/6/1994	--	h	41.59	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
10/7/1994	--	j, n	41.59	21.25	--	20.34	<50	<0.5	<0.5	<0.5	<0.5	24.3	3.5	PACE	--	--	24	--
1/27/1995	--		41.59	12.39	--	29.20	<50	<0.5	<0.5	<0.5	<1	--	4.2	ATI	--	--	--	--
3/30/1995	--		41.59	11.34	--	30.25	<50	<0.50	<0.50	<0.50	<1.0	--	6.1	ATI	--	--	--	--
6/20/1995	--		41.59	15.12	--	26.47	<50	<0.50	<0.50	<0.50	<1.0	--	--	ATI	--	--	--	--
10/3/1995	--		41.59	20.68	--	20.91	<50	<0.50	<0.50	<0.50	<1.0	66	6.4	ATI	--	--	--	--
12/6/1995	--		41.59	23.77	--	17.82	<50	<0.50	<0.50	<0.50	<1.0	45	5.7	ATI	--	--	--	--
3/21/1996	--		41.59	11.55	--	30.04	<50	<0.5	<1	<1	<1	41	9.1	SPL	--	--	--	--
6/21/1996	--		41.59	12.60	--	28.99	<50	<0.5	<1	<1	<1	<10	8.6	SPL	--	--	--	--
9/6/1996	--		41.59	13.25	--	28.34	--	--	--	--	--	--	--	--	--	--	--	--
9/9/1996	--	k	41.59	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	22/22	7.9	SPL	--	--	--	--
12/19/1996	--		41.59	11.45	--	30.14	<50	<0.5	<1.0	<1.0	<1.0	<10	7.7	SPL	--	--	--	--
3/17/1997	--		41.59	10.80	--	30.79	--	--	--	--	--	--	--	--	--	--	--	--
8/12/1997	--		41.59	13.11	--	28.48	--	--	--	--	--	--	--	--	--	--	--	--
12/10/1997	--		41.59	13.84	--	27.75	--	--	--	--	--	--	--	--	--	--	--	--
3/12/1998	--		41.59	11.17	--	30.42	--	--	--	--	--	--	--	--	--	--	--	--
6/23/1998	--		41.59	13.27	--	28.32	--	--	--	--	--	--	--	--	--	--	--	--
3/31/1999	--		41.59	12.91	--	28.68	--	--	--	--	--	--	--	--	--	--	--	--
8/25/1999	--		41.59	15.93	--	25.66	--	--	--	--	--	--	--	--	--	--	--	--
3/9/2000	--		41.59	11.49	--	30.10	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2001	--		41.59	10.81	--	30.78	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2002	--		41.59	14.28	--	27.31	--	--	--	--	--	--	--	--	--	--	--	--
3/18/2002	--		41.59	13.10	--	28.49	--	--	--	--	--	--	--	--	--	--	--	--
3/11/2003	--		41.59	13.63	--	27.96	--	--	--	--	--	--	--	--	--	--	--	--
12/09/2003	P		41.59	14.26	--	27.33	<50	<0.50	<0.50	<0.50	<0.50	12	--	SEQM	6.4	--	--	--
03/09/2004	NP		41.59	11.87	--	29.72	<50	<0.50	<0.50	<0.50	<0.50	10	--	SEQM	7.1	--	--	--
09/17/2004	--		41.59	16.45	--	25.14	--	--	--	--	--	--	--	--	--	--	--	--
03/07/2005	P		41.59	13.65	--	27.94	<50	<0.50	<0.50	<0.50	<0.50	5.8	--	SEQM	6.7	--	--	--
09/06/2005	--		44.37	14.23	--	30.14	--	--	--	--	--	--	--	--	--	--	--	--
03/06/2006	P	u	44.37	12.89	--	31.48	<50	<0.50	<0.50	<0.50	<0.50	8.1	--	SEQM	6.8	--	--	--

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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
<b>MW-6 Cont.</b>																		
9/5/2006	--		44.37	14.10	--	30.27	--	--	--	--	--	--	--	--	--	--	--	--
3/5/2007	P		44.37	11.43	--	32.94	<50	<0.50	<0.50	<0.50	<0.50	5.6	2.57	TAMC	7.70	--	--	--
9/7/2007	--		44.37	16.00	--	28.37	--	--	--	--	--	--	--	--	--	--	--	--
3/6/2008	P		44.37	11.84	--	32.53	<50	<0.50	<0.50	<0.50	<0.50	1.9	2.34	CEL	6.81	--	--	--
9/3/2008	--		44.37	16.24	--	28.13	--	--	--	--	--	--	--	--	--	--	--	--
<b>3/4/2009</b>	<b>P</b>		<b>44.37</b>	<b>11.68</b>	--	<b>32.69</b>	<b>&lt;50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>2.8</b>	<b>4.66</b>	<b>CEL</b>	<b>6.82</b>	--	--	--
<b>MW-7</b>																		
10/3/1991	--		40.64	14.93	--	25.71	360	62	13	3.4	20	--	--	SUP	--	--	--	--
10/15/1991	--		40.64	15.16	--	25.48	--	--	--	--	--	--	--	--	--	--	--	--
12/4/1991	--		40.64	15.41	--	25.23	--	--	--	--	--	--	--	--	--	--	--	--
12/16/1991	--		40.64	15.21	--	25.43	--	--	--	--	--	--	--	--	--	--	--	--
1/6/1992	--		40.64	14.56	--	26.08	1,100	170	<0.5	24	23	--	--	ANA	--	--	--	--
1/22/1992	--		40.64	14.63	--	26.01	--	--	--	--	--	--	--	--	--	--	--	--
1/28/1992	--		40.64	14.73	--	25.91	--	--	--	--	--	--	--	--	--	--	--	--
2/5/1992	--		40.64	14.58	--	26.06	--	--	--	--	--	--	--	--	--	--	--	--
2/12/1992	--		40.64	13.94	--	26.70	--	--	--	--	--	--	--	--	--	--	--	--
2/17/1992	--		40.64	13.10	--	27.54	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1992	--		40.64	12.66	--	27.98	--	--	--	--	--	--	--	--	--	--	--	--
4/8/1992	--		40.64	12.77	--	27.87	750	150	<0.5	23	9.9	--	--	ANA	--	--	--	--
4/14/1992	--		40.64	13.02	--	27.62	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1992	--		40.64	13.59	--	27.05	--	--	--	--	--	--	--	--	--	--	--	--
5/7/1992	--		40.64	13.95	--	26.69	--	--	--	--	--	--	--	--	--	--	--	--
7/3/1992	--		40.64	14.73	--	25.91	660	210	<2.5	33	8	--	--	ANA	--	--	--	--
10/8/1992	--		40.64	15.75	--	24.89	320	49	1.4	13	6.2	--	--	ANA	--	--	--	--
12/31/1992	--		40.64	13.57	--	27.07	900	100	<2.5	28	4.3	--	--	ANA	--	--	--	--
4/21/1993	--	n	40.64	14.56	--	26.08	510	83	1.2	10	5.8	--	--	PACE	--	--	--	--
7/7/1993	--	i, n	40.32	13.40	--	26.92	1,100	160	2	27	4	10.84	--	PACE	--	--	--	--
7/7/1993	--	h, n	40.32	--	--	--	1,100	170	1.9	29	2.84	9.84	--	PACE	--	--	--	--
9/21/1993	--	n	40.32	14.40	--	25.92	690	150	3.1	26	5.7	--	--	PACE	--	--	--	--
9/21/1993	--	h, n	40.32	--	--	--	640	140	1.7	23	2.4	--	--	PACE	--	--	--	--

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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-7 Cont.																		
12/17/1993	--		40.32	13.65	--	26.67	--	--	--	--	--	--	--	--	--	--	--	--
12/23/1993	--	n	40.32	--	--	--	250	64	1.2	9	1.8	7.81	--	PACE	--	--	--	--
4/7/1994	--	n	40.32	30.62	--	9.70	140	32	1.4	<0.5	<0.5	6.32	--	PACE	--	--	--	--
7/6/1994	--	n	40.32	16.88	--	23.44	410	94	1.3	10	3.5	<5.0	4.4	PACE	--	--	--	--
10/7/1994	--	n	40.32	25.59	--	14.73	<50	9.2	<0.5	<0.5	<0.5	<5.0	4.9	PACE	--	--	--	--
1/27/1995	--	h	40.32	--	--	--	930	620	4	77	21	--	--	ATI	--	--	--	--
1/27/1995	--		40.32	9.82	--	30.50	810	570	3	60	17	--	0.0	ATI	--	--	--	--
3/30/1995	--		40.32	9.15	--	31.17	180	65	0.53	2	<1.0	--	7.8	ATI	--	--	--	--
6/20/1995	--		40.32	11.38	--	28.94	2,800	980	<5.0	<5.0	43	--	--	ATI	--	--	--	--
10/3/1995	--		40.32	29.95	--	10.37	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	--	--	--	--
12/6/1995	--		40.32	29.85	--	10.47	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	--	--	--	--
3/21/1996	--		40.32	9.76	--	30.56	1,000	390	2	40	13	<10	7.4	SPL	--	--	--	--
6/21/1996	--		40.32	11.01	--	29.31	<250	40	<5	<5	<5	<50	7.4	SPL	--	--	--	--
9/6/1996	--		40.32	11.68	--	28.64	--	--	--	--	--	--	--	--	--	--	--	--
9/9/1996	--		40.32	--	--	--	<250	13	<5.0	<5.0	<5.0	<50	7.2	SPL	--	--	--	--
12/19/1996	--		40.32	10.78	--	29.54	70	1.2	<1.0	1	<1.0	<10	8.3	SPL	--	--	--	--
3/17/1997	--		40.32	9.96	--	30.36	--	--	--	--	--	--	--	--	--	--	--	--
8/12/1997	--		40.32	11.44	--	28.88	--	--	--	--	--	--	--	--	--	--	--	--
12/10/1997	--		40.32	10.42	--	29.90	--	--	--	--	--	--	--	--	--	--	--	--
3/12/1998	--		40.32	9.51	--	30.81	--	--	--	--	--	--	--	--	--	--	--	--
6/23/1998	--		40.32	9.98	--	30.34	--	--	--	--	--	--	--	--	--	--	--	--
3/31/1999	--		40.32	10.38	--	29.94	--	--	--	--	--	--	--	--	--	--	--	--
8/25/1999	--		40.32	12.38	--	27.94	--	--	--	--	--	--	--	--	--	--	--	--
3/9/2000	--		40.32	8.48	--	31.84	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2001	--		40.32	8.37	--	31.95	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2002	--	f	40.32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/18/2002	--		40.32	9.94	--	30.38	--	--	--	--	--	--	--	--	--	--	--	--
3/11/2003	--		40.32	11.26	--	29.06	--	--	--	--	--	--	--	--	--	--	--	--
12/09/2003	P		40.32	12.76	--	27.56	270	26	<0.50	<0.50	<0.50	8.7	--	SEQM	6.1	--	--	--
03/09/2004	P		40.32	10.91	--	29.41	320	49	0.73	1.8	0.59	6.9	--	SEQM	6.2	--	--	--
09/17/2004	P		40.32	13.20	--	27.12	330	17	<0.50	<0.50	<0.50	7.0	--	SEQM	6.6	--	--	--

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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
<b>MW-7 Cont.</b>																		
03/07/2005	P		40.32	8.18	--	32.14	340	41	0.79	0.79	0.73	7.2	--	SEQM	6.9	--	--	--
09/06/2005	P		43.10	11.80	--	31.30	1,100	130	1.2	1.8	<1.5	16	--	SEQM	6.7	--	--	--
03/06/2006	P		43.10	8.39	--	34.71	440	31	0.78	0.74	0.81	8.3	--	SEQM	7.1	--	--	--
9/5/2006	--		43.10	11.45	--	31.65	2,000	260	3.1	5.9	<2.5	12	--	TAMC	6.6	--	--	--
3/5/2007	P		43.10	9.31	--	33.79	2,200	110	2.2	4.0	1.8	7.6	1.06	TAMC	7.26	--	--	--
9/7/2007	P		43.10	12.18	--	30.92	220	8.4	<0.50	<0.50	<0.50	1.2	0.98	TAMC	6.89	--	--	--
3/6/2008	P		43.10	10.05	--	33.05	1,800	54	1.2	1.1	<1.0	<1.0	--	CEL	7.02	--	--	--
9/3/2008	P		43.10	13.17	--	29.93	540	13	0.69	<0.50	<0.50	5.5	4.77	CEL	6.88	--	--	--
<b>3/4/2009</b>	<b>P</b>		<b>43.10</b>	<b>8.25</b>	<b>--</b>	<b>34.85</b>	<b>720</b>	<b>15</b>	<b>0.59</b>	<b>0.53</b>	<b>&lt;0.50</b>	<b>3.4</b>	<b>1.29</b>	<b>CEL</b>	<b>6.93</b>	<b>--</b>	<b>--</b>	<b>--</b>
<b>MW-8</b>																		
10/3/1991	--		38.18	22.37	--	15.81	<50	<0.3	0.6	<0.3	0.9	--	--	SUP	--	--	--	--
10/15/1991	--		38.18	22.70	--	15.48	--	--	--	--	--	--	--	--	--	--	--	--
12/4/1991	--		38.18	22.44	--	15.74	--	--	--	--	--	--	--	--	--	--	--	--
12/16/1991	--		38.18	22.47	--	15.71	--	--	--	--	--	--	--	--	--	--	--	--
1/6/1992	--		38.18	21.94	--	16.24	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
1/22/1992	--		38.18	21.44	--	16.74	--	--	--	--	--	--	--	--	--	--	--	--
1/28/1992	--		38.18	21.20	--	16.98	--	--	--	--	--	--	--	--	--	--	--	--
2/5/1992	--		38.18	20.88	--	17.30	--	--	--	--	--	--	--	--	--	--	--	--
2/12/1992	--		38.18	20.54	--	17.64	--	--	--	--	--	--	--	--	--	--	--	--
2/17/1992	--		38.18	19.99	--	18.19	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1992	--		38.18	16.75	--	21.43	--	--	--	--	--	--	--	--	--	--	--	--
4/8/1992	--		38.18	16.57	--	21.61	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
4/14/1992	--	f	38.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1992	--		38.18	18.61	--	19.57	--	--	--	--	--	--	--	--	--	--	--	--
5/7/1992	--		38.18	18.41	--	19.77	--	--	--	--	--	--	--	--	--	--	--	--
7/3/1992	--		38.18	20.35	--	17.83	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
10/8/1992	--	f	38.18	21.74	--	16.44	--	--	--	--	--	--	--	--	--	--	--	--
12/31/1992	--		38.18	19.09	--	19.09	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
4/21/1993	--	n	38.18	18.92	--	19.26	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
7/7/1993	--	n	38.18	17.76	--	20.42	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	--	--	--	--

**Table 1. Summary of Ground-Water Monitoring Data: Relative Water Elevations and Laboratory Analyses**  
**Station #11109, 4280 Foothill Blvd., Oakland, CA**

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
<b>MW-8 Cont.</b>																		
9/21/1993	--	n	38.18	19.71	--	18.47	<50	2.9	2.2	2.2	7.1	--	--	PACE	--	--	--	--
12/17/1993	--		38.18	21.33	--	16.85	--	--	--	--	--	--	--	--	--	--	--	--
12/23/1993	--	n	38.18	--	--	--	<50	<0.5	<0.5	<0.5	0.6	<5.0	--	PACE	--	--	--	--
4/7/1994	--	n	38.18	21.51	--	16.67	<50	<0.5	<0.5	<0.5	<0.5	<5.0	6.6	PACE	--	--	--	--
7/6/1994	--	n	38.18	17.41	--	20.77	<50	<0.5	<0.5	<0.5	<0.5	<5.0	4.4	PACE	--	--	--	--
10/7/1994	--	n	38.18	19.20	--	18.98	<50	<0.5	<0.5	<0.5	<0.5	<5.0	3.7	PACE	--	--	--	--
1/27/1995	--		38.18	12.25	--	25.93	<50	<0.5	<0.5	<0.5	<1	--	2.9	ATI	--	--	--	--
3/30/1995	--		38.18	10.35	--	27.83	<50	<0.50	<0.50	<0.50	<1.0	--	8.3	ATI	--	--	--	--
6/20/1995	--		38.18	13.37	--	24.81	<50	<0.50	<0.50	<0.50	<1.0	--	6.9	ATI	--	--	--	--
10/3/1995	--	f	38.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/6/1995	--		38.18	18.42	--	19.76	<50	<0.50	<0.50	<0.50	<1.0	47	5.3	ATI	--	--	--	--
3/21/1996	--	f	38.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
6/21/1996	--		38.18	13.03	--	25.15	<50	<0.5	<1	<1	<1	<10	7.0	SPL	--	--	--	--
9/6/1996	--		38.18	13.70	--	24.48	--	--	--	--	--	--	--	--	--	--	--	--
9/9/1996	--		38.18	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	<10	7.0	SPL	--	--	--	--
12/19/1996	--		38.18	11.93	--	26.25	<50	<0.5	<1.0	<1.0	<1.0	<10	7.6	SPL	--	--	--	--
3/17/1997	--		38.18	11.29	--	26.89	--	--	--	--	--	--	--	--	--	--	--	--
8/12/1997	--		38.18	13.73	--	24.45	--	--	--	--	--	--	--	--	--	--	--	--
12/10/1997	--		38.18	11.88	--	26.30	--	--	--	--	--	--	--	--	--	--	--	--
3/12/1998	--		38.18	11.89	--	26.29	--	--	--	--	--	--	--	--	--	--	--	--
6/23/1998	--		38.18	11.33	--	26.85	--	--	--	--	--	--	--	--	--	--	--	--
3/31/1999	--		38.18	12.68	--	25.50	--	--	--	--	--	--	--	--	--	--	--	--
8/25/1999	--		38.18	14.93	--	23.25	--	--	--	--	--	--	--	--	--	--	--	--
3/9/2000	--		38.18	9.14	--	29.04	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2001	--		38.18	8.41	--	29.77	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2002	--		38.18	11.18	--	27.00	--	--	--	--	--	--	--	--	--	--	--	--
3/18/2002	--		38.18	10.72	--	27.46	--	--	--	--	--	--	--	--	--	--	--	--
3/11/2003	--		38.18	10.46	--	27.72	--	--	--	--	--	--	--	--	--	--	--	--
03/09/2004	P		38.18	9.79	--	28.39	<50	<0.50	<0.50	<0.50	<0.50	0.50	--	SEQM	7.2	--	--	--
09/17/2004	--		38.18	15.35	--	22.83	--	--	--	--	--	--	--	--	--	--	--	--
03/07/2005	P		38.18	7.94	--	30.24	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.7	--	--	--

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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
<b>MW-8 Cont.</b>																		
09/06/2005	--		40.95	13.06	--	27.89	--	--	--	--	--	--	--	--	--	--	--	--
03/06/2006	P	u	40.95	9.26	--	31.69	<50	<0.50	<0.50	<0.50	<0.50	0.59	--	SEQM	7.2	--	--	--
9/5/2006	--		40.95	12.61	--	28.34	--	--	--	--	--	--	--	--	--	--	--	--
3/5/2007	P		40.95	9.12	--	31.83	<50	<0.50	<0.50	<0.50	0.53	<0.50	6.79	TAMC	7.17	--	--	--
9/7/2007	--		40.95	13.56	--	27.39	--	--	--	--	--	--	--	--	--	--	--	--
3/6/2008	P		40.95	9.80	--	31.15	<50	<0.50	<0.50	<0.50	<0.50	<0.50	4.14	CEL	6.86	--	--	--
9/3/2008	--		40.95	14.20	--	26.75	--	--	--	--	--	--	--	--	--	--	--	--
3/4/2009	P		<b>40.95</b>	<b>9.51</b>	--	<b>31.44</b>	<b>&lt;50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>2.62</b>	<b>CEL</b>	<b>6.96</b>	--	--	--
<b>MW-9</b>																		
10/3/1991	--		41.25	14.12	--	27.13	<50	<0.3	0.4	<0.3	<0.3	--	--	SUP	--	--	--	--
10/15/1991	--		41.25	14.27	--	26.98	--	--	--	--	--	--	--	--	--	--	--	--
12/4/1991	--		41.25	13.84	--	27.41	--	--	--	--	--	--	--	--	--	--	--	--
12/16/1991	--		41.25	14.18	--	27.07	--	--	--	--	--	--	--	--	--	--	--	--
1/6/1992	--		41.25	13.42	--	27.83	<50	<0.5	<0.5	<0.5	0.9	--	--	ANA	--	--	--	--
1/22/1992	--		41.25	13.75	--	27.50	--	--	--	--	--	--	--	--	--	--	--	--
1/28/1992	--		41.25	14.76	--	26.49	--	--	--	--	--	--	--	--	--	--	--	--
2/5/1992	--		41.25	13.38	--	27.87	--	--	--	--	--	--	--	--	--	--	--	--
2/12/1992	--		41.25	11.86	--	29.39	--	--	--	--	--	--	--	--	--	--	--	--
2/17/1992	--		41.25	10.78	--	30.47	--	--	--	--	--	--	--	--	--	--	--	--
4/3/1992	--		41.25	11.63	--	29.62	--	--	--	--	--	--	--	--	--	--	--	--
4/8/1992	--		41.25	12.25	--	29.00	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
4/14/1992	--		41.25	12.32	--	28.93	--	--	--	--	--	--	--	--	--	--	--	--
4/29/1992	--		41.25	13.07	--	28.18	--	--	--	--	--	--	--	--	--	--	--	--
5/7/1992	--		41.25	14.43	--	26.82	--	--	--	--	--	--	--	--	--	--	--	--
7/3/1992	--		41.25	13.85	--	27.40	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
10/8/1992	--		41.25	14.89	--	26.36	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
12/31/1992	--		41.25	11.90	--	29.35	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
4/21/1993	--	n	41.25	13.68	--	27.57	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
7/7/1993	--	n	41.25	13.12	--	28.13	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	PACE	--	--	--	--
9/21/1993	--	n	41.25	14.00	--	27.25	<50	<0.5	<0.5	<0.5	0.9	--	--	PACE	--	--	--	--

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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
MW-9 Cont.																		
12/17/1993	--		41.25	12.98	--	28.27	--	--	--	--	--	--	--	--	--	--	--	--
12/23/1993	--	n	41.25	--	--	--	<50	<0.5	<0.5	<0.5	0.9	<5.0	--	PACE	--	--	--	--
4/7/1994	--	n	41.25	13.24	--	28.01	<50	<0.5	<0.5	<0.5	<0.5	<5.0	4.7	PACE	--	--	--	--
7/6/1994	--	n	41.25	13.77	--	27.48	<50	<0.5	<0.5	<0.5	<0.5	--	3.9	PACE	--	--	--	--
10/7/1994	--	n	41.25	14.60	--	26.65	<50	<0.5	<0.5	<0.5	<0.5	<5.0	3.0	PACE	--	--	--	--
1/27/1995	--		41.25	8.47	--	32.78	<50	<0.5	<0.5	<0.5	<1	--	2.5	ATI	--	--	--	--
3/30/1995	--		41.25	8.19	--	33.06	<50	<0.50	<0.50	<0.50	<1.0	--	8.4	ATI	--	--	--	--
6/20/1995	--		41.25	11.25	--	30.00	<50	<0.50	<0.50	<0.50	<1.0	--	8.1	ATI	--	--	--	--
10/3/1995	--		41.25	14.68	--	26.57	<50	<0.50	<0.50	<0.50	<1.0	<5.0	6.0	ATI	--	--	--	--
12/6/1995	--		41.25	16.07	--	25.18	<50	<0.50	<0.50	<0.50	<1.0	46	5.4	ATI	--	--	--	--
3/21/1996	--		41.25	9.60	--	31.65	<50	<0.5	<1	<1	<1	<10	8.0	SPL	--	--	--	--
6/21/1996	--		41.25	10.86	--	30.39	<50	<0.5	<1	<1	<1	<10	7.8	SPL	--	--	--	--
9/6/1996	--		41.25	11.52	--	29.73	--	--	--	--	--	--	--	--	--	--	--	--
9/9/1996	--	k	41.25	--	--	--	<50	<0.5	<1.0	<1.0	<1.0	20/21	7.3	SPL	--	--	--	--
12/19/1996	--		41.25	10.43	--	30.82	<50	<0.5	<1.0	<1.0	<1.0	<10	7.3	SPL	--	--	--	--
3/17/1997	--		41.25	9.87	--	31.38	--	--	--	--	--	--	--	--	--	--	--	--
8/12/1997	--		41.25	11.44	--	29.81	--	--	--	--	--	--	--	--	--	--	--	--
12/10/1997	--		41.25	10.44	--	30.81	--	--	--	--	--	--	--	--	--	--	--	--
3/12/1998	--		41.25	9.50	--	31.75	--	--	--	--	--	--	--	--	--	--	--	--
6/23/1998	--		41.25	10.06	--	31.19	--	--	--	--	--	--	--	--	--	--	--	--
3/31/1999	--		41.25	9.06	--	32.19	--	--	--	--	--	--	--	--	--	--	--	--
8/25/1999	--		41.25	12.00	--	29.25	--	--	--	--	--	--	--	--	--	--	--	--
3/9/2000	--		41.25	10.57	--	30.68	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2001	--		41.25	9.73	--	31.52	--	--	--	--	--	--	--	--	--	--	--	--
3/8/2002	--		41.25	11.89	--	29.36	--	--	--	--	--	--	--	--	--	--	--	--
3/18/2002	--		41.25	9.68	--	31.57	--	--	--	--	--	--	--	--	--	--	--	--
3/11/2003	--		41.25	9.21	--	32.04	--	--	--	--	--	--	--	--	--	--	--	--
03/09/2004	--		41.25	10.99	--	30.26	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.6	--	--	--
09/17/2004	--		41.25	13.35	--	27.90	--	--	--	--	--	--	--	--	--	--	--	--
03/07/2005	P		41.25	8.94	--	32.31	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.9	--	--	--
09/06/2005	--		44.06	11.99	--	32.07	--	--	--	--	--	--	--	--	--	--	--	--



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

Station #11109, 4280 Foothill Blvd., Oakland, CA

Well and Sample Date	P/NP	Footnote	TOC Elevation (feet msl)	DTW (feet bgs)	Product Thickness (feet)	Water Level Elevation (feet msl)	Concentrations in (µg/L)						DO (mg/L)	Lab	pH	DRO/TPHd (µg/L)	TOG (µg/L)	HVOC (µg/L)
							GRO/TPHg	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE						
<b>MW-9 Cont.</b>																		
03/06/2006	P	u	44.06	8.26	--	35.80	<50	<0.50	<0.50	<0.50	<0.50	<0.50	--	SEQM	6.9	--	--	--
9/5/2006	--		44.06	11.63	--	32.43	--	--	--	--	--	--	--	--	--	--	--	--
3/5/2007	P		44.06	9.33	--	34.73	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2.22	TAMC	7.03	--	--	--
9/7/2007	--		44.06	12.28	--	31.78	--	--	--	--	--	--	--	--	--	--	--	--
3/6/2008	P		44.06	10.11	--	33.95	<50	<0.50	<0.50	<0.50	<0.50	<0.50	3.72	CEL	6.90	--	--	--
9/3/2008	--		44.06	13.49	--	30.57	--	--	--	--	--	--	--	--	--	--	--	--
<b>3/4/2009</b>	<b>P</b>		<b>44.06</b>	<b>8.15</b>	--	<b>35.91</b>	<b>&lt;50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>4.03</b>	<b>CEL</b>	<b>6.84</b>	--	--	--
<b>QC-2</b>																		
10/8/1992	--	l	41.25	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
12/31/1992	--	l	41.25	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	ANA	--	--	--	--
4/21/1993	--	l, n	41.25	--	--	--	--	--	--	--	--	--	--	PACE	--	--	--	--
7/7/1993	--	l, n	41.25	--	--	--	<50	<0.5	<0.5	<0.5	0.6	--	--	PACE	--	--	--	--
9/21/1993	--	l, n	41.25	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
12/23/1993	--	l	41.25	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
4/7/1994	--	l	41.25	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
7/6/1994	--	l	41.25	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
10/7/1994	--	l	41.25	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	PACE	--	--	--	--
1/27/1995	--	l	41.25	--	--	--	<50	<0.5	0.5	<0.5	<1	--	--	ATI	--	--	--	--
3/30/1995	--	l	41.25	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	ATI	--	--	--	--
6/20/1995	--	l	41.25	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	--	--	ATI	--	--	--	--
10/3/1995	--	l	41.25	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	--	--	--	--
12/6/1995	--	l	41.25	--	--	--	<50	<0.50	<0.50	<0.50	<1.0	<5.0	--	ATI	--	--	--	--
3/21/1996	--	l	41.25	--	--	--	<50	<0.5	<1	<1	<1	<10	--	SPL	--	--	--	--
6/21/1996	--	l	41.25	--	--	--	<50	<0.5	<1	<1	<1	<10	--	SPL	--	--	--	--

ABBREVIATIONS & SYMBOLS:

--/-- = Not analyzed/applicable/measured/available  
< = Not detected at or above specified laboratory reporting limit  
DO = Dissolved oxygen  
DTW = Depth to water in ft bgs  
ft bgs = Feet below ground surface  
ft MSL = Feet above mean sea level  
GRO = Gasoline range organics, range C4-C12  
GWE = Groundwater elevation in ft MSL  
mg/L = Milligrams per liter  
MTBE = Methyl tert-butyl ether  
ND = Not detected  
NP = Well not purged prior to sampling  
P = Well purged prior to sampling  
TOC = Top of casing elevation in ft MSL  
TPH-g = Total petroleum hydrocarbons as gasoline  
µg/L = Micrograms per liter  
ANA = Anamatrix, Inc.  
PACE = Pace, Inc.  
ATI = Analytical Technologies, Inc.  
CEI = Ceimic Corporation  
SPL = Southern Petroleum Laboratories  
SEQ/SEQM= Sequoia Analytical/Sequoia Analytical - Morgan Hill (Laboratories)  
SUP = Superior Analytical Laboratory

FOOTNOTES:

- (a) Free product in well.
- (c) Well destroyed during tank removal in November 1990.
- (d) Methylene chloride.
- (e) 1,2-Dichloroethane.
- (f) Well inaccessible.
- (g) Sample collected from MW-2 for TPH-d analysis received in laboratory 7 days after collection; sample exceeded EPA recommended holding time for TPH-d on a water matrix.
- (h) Blind duplicate.
- (i) TOC lowered.
- (j) A copy of the documentation for this data is included in Appendix C of Alisto report 10-014-07-001.
- (k) EPA Methods 8020/8260 used.
- (l) Travel blank.
- (n) A copy of the documentation for this data is included in the Blaine Tech Services, Inc. report 020308-DW-2. The data for samples taken on April 21, 1993, have been destroyed. No chromatograms could be located for the samples taken on: July 7, 1993, for well MW-2 and TB; September 21, 1993, for all wells MW-3, MW-4, MW-6, MW-7, MW-8, MW-9, the DUP and TB; December 23, 1993, for wells MW-2 and MW-3; and July 6, 1994, for wells MW-2, MW-4, MW-6, and MW-9.
- (p) Well not sampled due to damage during site construction.
- (q) Sheen in well.
- (r) Well dry.
- (s) The hydrocarbon result for GRO was partly due to individual peaks in the quantification range.
- (t) MS and/or MSD were below the acceptance limits for MTBE. Matrix interference was suspected.
- (u) Possible high bias for benzene due to CCV falling outside acceptance criteria.
- (v) The sample concentration is greater than four times the spike concentration.
- (w) = Insufficient water to sample.

NOTES:

GWE adjusted assuming a specific gravity of 0.75 for free product.  
Beginning in the fourth quarter 2003, the laboratory modified the reported analyte list. TPH-g has been changed to GRO. The resulting data may be impacted by the potential inclusion of non-TPHg analytes within the requested fuel range resulting in a higher concentration being reported.

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

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 #11109, 4280 Foothill Blvd., Oakland, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
<b>MW-2</b>									
12/09/2003	<100	<20	24	<0.50	<0.50	<0.50	--	--	
03/09/2004	<100	<20	27	<0.50	<0.50	<0.50	<0.50	<0.50	
09/17/2004	<100	<20	21	<0.50	<0.50	<0.50	<0.50	<0.50	
9/5/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
<b>MW-3</b>									
12/09/2003	<100	<20	6.4	<0.50	<0.50	<0.50	--	--	
03/09/2004	<100	<20	6.9	<0.50	<0.50	<0.50	<0.50	<0.50	
03/07/2005	<100	<20	5.1	<0.50	<0.50	<0.50	<0.50	<0.50	
03/06/2006	<300	<20	6.9	<0.50	<0.50	<0.50	<0.50	<0.50	
3/5/2007	<300	<20	5.4	<0.50	<0.50	<0.50	<0.50	<0.50	
3/6/2008	<300	<10	4.2	<0.50	<0.50	<0.50	<0.50	<0.50	
<b>3/4/2009</b>	<b>&lt;300</b>	<b>&lt;10</b>	<b>4.9</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	
<b>MW-4</b>									
12/09/2003	<500	<100	130	<2.5	<2.5	2.7	--	--	
03/09/2004	<100	<20	35	<0.50	<0.50	<0.50	<0.50	<0.50	
09/17/2004	<500	<100	140	<2.5	<2.5	2.6	<2.5	<2.5	
03/07/2005	<100	<20	42	<0.50	<0.50	0.56	<0.50	<0.50	
09/06/2005	<150	<10	180	<0.50	<0.50	2.8	<0.50	<0.50	a
03/06/2006	<600	<40	110	<1.0	<1.0	1.4	<1.0	<1.0	
9/5/2006	<600	<40	190	<1.0	<1.0	1.7	<1.0	<1.0	
3/5/2007	<300	<20	13	<0.50	<0.50	<0.50	<0.50	<0.50	
9/7/2007	<300	<20	130	<0.50	<0.50	1.7	<0.50	<0.50	b (MTBE)
3/6/2008	<300	14	170	<0.50	<0.50	2.1	<0.50	<0.50	
9/3/2008	<3,000	<100	150	<5.0	<5.0	<5.0	<5.0	<5.0	
<b>3/4/2009</b>	<b>&lt;3,000</b>	<b>&lt;100</b>	<b>110</b>	<b>&lt;5.0</b>	<b>&lt;5.0</b>	<b>&lt;5.0</b>	<b>&lt;5.0</b>	<b>&lt;5.0</b>	
<b>MW-5</b>									
03/09/2004	<10,000	<2,000	<50	<50	<50	<50	96	<50	
03/06/2006	<30,000	<2,000	<50	60	<50	<50	<50	<50	
3/5/2007	<30,000	<2,000	<50	57	<50	<50	<50	<50	

**Table 2. Summary of Fuel Additives Analytical Data  
Station #11109, 4280 Foothill Blvd., Oakland, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
<b>MW-6</b>									
12/09/2003	<100	<20	12	<0.50	<0.50	<0.50	--	--	
03/09/2004	<100	<20	10	<0.50	<0.50	<0.50	0.58	<0.50	
03/07/2005	<100	<20	5.8	<0.50	<0.50	<0.50	<0.50	<0.50	
03/06/2006	<300	<20	8.1	<0.50	<0.50	<0.50	<0.50	<0.50	
3/5/2007	<300	<20	5.6	<0.50	<0.50	<0.50	<0.50	<0.50	
3/6/2008	<300	<10	1.9	<0.50	<0.50	<0.50	<0.50	<0.50	
<b>3/4/2009</b>	<b>&lt;300</b>	<b>&lt;10</b>	<b>2.8</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	
<b>MW-7</b>									
12/09/2003	<100	<20	8.7	<0.50	<0.50	<0.50	--	--	
03/09/2004	<100	<20	6.9	<0.50	<0.50	<0.50	1.2	<0.50	
09/17/2004	<100	<20	7.0	<0.50	<0.50	<0.50	<0.50	<0.50	
03/07/2005	<100	<20	7.2	<0.50	<0.50	<0.50	<0.50	<0.50	
09/06/2005	<150	30	16	0.60	<0.50	<0.50	<0.50	<0.50	
03/06/2006	<300	<20	8.3	<0.50	<0.50	<0.50	<0.50	<0.50	
9/5/2006	<1,500	<100	12	<2.5	<2.5	<2.5	<2.5	<2.5	
3/5/2007	<600	<40	7.6	<1.0	<1.0	<1.0	<1.0	<1.0	
9/7/2007	<300	<20	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	
3/6/2008	<600	<20	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
9/3/2008	<300	17	5.5	<0.50	<0.50	<0.50	<0.50	<0.50	
<b>3/4/2009</b>	<b>&lt;300</b>	<b>12</b>	<b>3.4</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	
<b>MW-8</b>									
03/09/2004	<100	<20	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/07/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/06/2006	<300	<20	0.59	<0.50	<0.50	<0.50	<0.50	<0.50	
3/5/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
3/6/2008	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
<b>3/4/2009</b>	<b>&lt;300</b>	<b>&lt;10</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	
<b>MW-9</b>									
03/09/2004	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
03/07/2005	<100	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	

**Table 2. Summary of Fuel Additives Analytical Data  
Station #11109, 4280 Foothill Blvd., Oakland, CA**

Well and Sample Date	Concentrations in (µg/L)								Comments
	Ethanol	TBA	MTBE	DIPE	ETBE	TAME	1,2-DCA	EDB	
<b>MW-9 Cont.</b>									
03/06/2006	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
3/5/2007	<300	<20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
3/6/2008	<300	<10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	
<b>3/4/2009</b>	<b>&lt;300</b>	<b>&lt;10</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	<b>&lt;0.50</b>	

ABBREVIATIONS AND SYMBOLS:

TBA = tert-Butyl alcohol

MTBE = Methyl tert-butyl ether

DIPE = Di-isopropyl ether

ETBE = Ethyl tert-butyl ether

TAME = tert-Amyl methyl ether

1,2-DCA = 1,2-Dichloroethane

EDB = 1,2-Dibromoethane

µg/L = micrograms per liter

< = Not detected at or above specified laboratory reporting limit

-- = Data not available, not analyzed, or not applicable

FOOTNOTES:

(a) MS and/or MSD below acceptance limits for MTBE. Matrix interference suspected.

(b) The sample concentration is greater than four times the spike concentration.

NOTES:

All fuel oxygenate 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 #11109, 4280 Foothill Blvd., Oakland, CA**

<b>Date Sampled</b>	<b>Approximate Flow Direction</b>	<b>Approximate Hydraulic Gradient</b>
3/6/2006	Southwest	0.05
9/5/2006	Southwest	0.05
2/21/2007	Southwest	0.02
9/7/2007	Southwest	0.03
3/6/2008	Southwest	0.01
9/3/2008	Southwest	0.006
<b>3/4/2009</b>	<b>Southwest</b>	<b>0.02</b>

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



**Table 4**  
**Summary of Free Product Removal**  
Former BP Service Station #11109  
4280 Foothill Boulevard, Oakland, California

Well ID	Date of Removal Event	DTW (feet)	Product Thickness (feet)	Product Removed (gallons)	Cumulative Product Removed (gallons)
MW-5	11/5/1992	--	--	0.200	0.200
MW-5	2/25/1993	--	--	0.100	0.300
MW-5	3/18/1993	--	--	0.100	0.400
MW-5	4/13/1993	--	--	0.100	0.500
MW-5	4/23/1993	--	--	13.0*	13.500
MW-5	5/24/1993	--	--	0.100	13.600
MW-5	10/14/1993	--	--	0.300	13.900
MW-5	11/10/1993	--	--	0.400	14.300
MW-5	12/23/1993	--	--	0.400	14.700
MW-5	8/12/1997	12.18	0.22	--	14.700
MW-5	12/10/1997	10.78	0.06	--	14.700
MW-5	3/12/1998	10.11	0.22	0.200	14.900
MW-5	6/23/1998	10.20	0.02	<0.050	14.900
MW-5	9/11/1998	11.61	0.04	0.100	15.000
MW-5	8/25/1999	14.69	0.38	0.070	15.070
MW-5	3/9/2000	14.83	0.60	0.400	15.470
MW-5	7/14/2003	12.72	0.03	0.019	15.489
MW-5	8/25/2003	14.04	0.00	0.000	15.489
MW-5	9/25/2003	14.38	0.08	0.052	15.542
MW-5	10/3/2003	12.15	0.06	0.040	15.582
MW-5	11/12/2003	12.74	0.19	0.120	15.702
MW-5	12/9/2003	11.44	0.03	0.040	15.742
MW-5	2/2/2004	6.47	0.04	0.030	15.772
MW-5	2/9/2004	10.61	0.04	0.030	15.802
MW-5	3/9/2004	7.91	--	--	15.802
MW-5	4/13/2004	9.68	0.28	0.200	16.002
MW-5	5/5/2004	11.93	Sheen	--	16.002
MW-5	6/3/2004	12.60	Sheen	--	16.002
MW-5	7/2/2004	11.11	0.10	0.060	16.062
MW-5	8/31/2004	12.80	0.05	0.132	16.194
MW-5	9/17/2004	12.13	0.15	--	16.194
MW-5	10/25/2004	10.66	0.26	0.170	16.364
MW-5	11/8/2004	9.98	0.02	0.020	16.384
MW-5	12/15/2004	8.76	0.01	0.010	16.394
MW-5	1/13/2005	7.12	--	--	16.394
MW-5	2/1/2005	8.10	0.01	0.007	16.400
MW-5	3/7/2005	8.62	0.02	0.013	16.413
MW-5	4/29/2005	9.39	--	--	16.413
MW-5	5/12/2005	7.51	0.01	0.007	16.420
MW-5	6/23/2005	7.70	--	--	16.420
MW-5	7/2/2005	10.81	--	--	16.420
MW-5	8/24/2005	10.53	--	--	16.420
MW-5	9/6/2005	11.16	0.18	0.119	16.539
MW-5	1/27/2006	9.02	0.02	0.013	16.433
MW-5	2/15/2006	8.38	0.02	0.013	16.446
MW-5	3/6/2006	8.60	Sheen	--	16.446

**Table 4**  
**Summary of Free Product Removal**  
Former BP Service Station #11109  
4280 Foothill Boulevard, Oakland, California

Well ID	Date of Removal Event	DTW (feet)	Product Thickness (feet)	Product Removed (gallons)	Cumulative Product Removed (gallons)
MW-5	4/21/2006	8.02	0.27	0.251	16.697
MW-5	5/30/2006	9.13	0.07	0.045	16.742
MW-5	6/27/2006	9.49	0.09	0.058	16.801
MW-5	7/31/2006	10.08	0.08	0.052	16.853
MW-5	8/28/2006	10.75	0.09	0.059	16.911
MW-5	9/5/2006	6.16	0.03	0.020	16.931
MW-5	10/1/2006	--	--	--	16.931
MW-5	11/1/2006	--	--	--	16.931
MW-5	12/1/2006	--	--	--	16.931
MW-5	1/1/2007	--	--	--	16.931
MW-5	2/1/2007	--	--	--	16.931
MW-5	3/5/2007	8.34	Sheen	--	16.931
MW-5	4/1/2007	--	--	--	16.931
MW-5	5/1/2007	--	--	--	16.931
MW-5	6/1/2007	--	--	--	16.931
MW-5	7/1/2007	--	--	--	16.931
MW-5	8/1/2007	--	--	--	16.931
MW-5	9/7/2007	15.15	0.15	--	16.931
MW-5	9/18/2007	15.42	0.02	4.00*	20.931
MW-5	10/17/2007	12.50	0.35	5.5*	26.431
MW-5	11/8/2007	13.20	0.40	5.0*	31.431
MW-5	12/12/2007	12.25	0.52	3.5*	34.931
MW-5	1/14/2008	10.30	0.49	5.0*	39.931
MW-5	2/27/2008	13.22	0.12	4.0*	43.931
MW-5	3/6/2008	12.90	0.14	3.0*	46.931
MW-5	4/1/2008	9.52	0.07	4.0*	50.931
MW-5	5/20/2008	8.68	0.07	7.0*	57.931
MW-5	6/18/2008	10.46	0.18	0.00	57.931
MW-5	7/16/2008	11.25	0.00	0.0375	57.968
MW-5	8/13/2008	--	--	2.125*	60.093
MW-5	9/3/2008	12.90	0.99	3.0*	63.093
MW-5	9/15/2008	12.75	0.15	4.0*	67.093
MW-5	10/15/2008	13.43	0.50	5.0*	72.093
MW-5	11/20/2008	13.55	0.63	2.625*	74.718
MW-5	12/18/2008	12.62	0.37	3.625*	78.343
MW-5	1/14/2009	12.43	0.11	4.0*	82.343
MW-5	2/17/2009	8.80	0.33	4.0*	86.343
MW-5	3/4/2009	8.45	0.16	4.0*	90.343
<b>FP Removed this Quarter:</b>					<b>12.00*</b>

ABBREVIATIONS & SYMBOLS:  
-- = Not available/applicable/measured/calculated  
\* = FP/water mixture

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

**APPENDIX A**

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



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

March 23, 2009

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

Re: Groundwater Sampling Data Package, Former BP Service Station No. 11109,  
located at 4280 Foothill, Oakland, California.

**General Information**

*Data Submittal Prepared / Reviewed by:* Carol Huff / Jay Johnson  
*Phone Number:* (530) 676-6000

*Sampling Date:* January 14, 2009

*On-Site Supplier Representative:* Vince Zalutka

*Unusual Field Conditions:* None noted.

*Scope of Work Performed:* Monthly gauging and free product bailing (MW-5).  
Approximately 4-gallons of free product and groundwater mixture was bailed and stored  
in a DOT approved 55-gallon drums.

*Variations from Work Scope:* None noted.

*Sampling Date:* February 17, 2009

*On-Site Supplier Representative:* Vince Zalutka

*Unusual Field Conditions:* None noted.

*Scope of Work Performed:* Monthly gauging and free product bailing (MW-5).  
Approximately 4-gallons of free product and groundwater mixture was bailed and stored  
in a DOT approved 55-gallon drums.

*Variations from Work Scope:* None noted.

March 23, 2009

*Sampling Date:* March 4, 2009

*On-Site Supplier Representative:* Greg Wilkins

*Unusual Field Conditions:* None noted.

*Scope of Work Performed:* Groundwater sampling

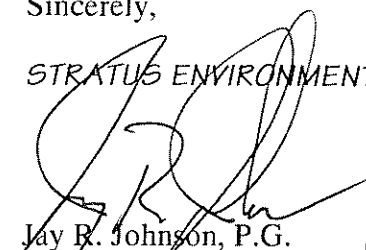
*Variations from Work Scope:* Well MW-2 was dry. Wells MW-3, MW-4, MW-6, MW-7, MW-8, and MW-9 purged dry before three casing volumes were removed. Approximately 4-gallons of free product and groundwater mixture was bailed and stored in a DOT approved 55-gallon drums.

This submittal presents the 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. 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







Site Address 4280 Foothill Blvd  
 City Oakland CA  
 Sampled by: @Wilkins / V. Zalutka  
 Signature [Signature]

Site Number ARC011109  
 Project Number E1109-04  
 Project PM J. Johnson  
 DATE 03-04-09

ORIGINAL

onsite 0550 off 030

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)	
MW-2			DRY	12.67														
MW-3	0645		8.28	31.26	22.98	2	.5	unable to break through root						27.27	Mass	MW-2	—	
MW-4	0614		10.78	26.58	15.80	4	2	45.96	24					27.27		MW-3	0807	1.19
MW-5	0647	8.29	8.45			4	2	31.60	18-Dry					22.03		MW-4	0832	1.31
MW-6	0619		11.68	34.30	22.62	4	2		4 Mix					—		MW-5	—	—
MW-7	0629		8.25	29.84	21.59	6	4.4	45.24	21					27.86		MW-6	0857	4.66
MW-8	0558		9.51	29.31	19.80	2	.5	95.00	23					15.21		MW-7	0744	1.29
MW-9	0632		8.15	29.31	21.16	2	.5	9.90	8-Dry					20.40		MW-8	0723	2.52
						2	.5	10.58	4					13.21		MW-9	0915	4.03
TB1110903042009																		
																	0530	

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

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 02/27/09  
 Conductivity \_\_\_\_\_  
 DO \_\_\_\_\_



# STRATUS

ENVIRONMENTAL, INC.

Site Address 4880 Foothill Blvd  
 City Oakland CA  
 Site Sampled by GW/VZ

Site Number AR1011109  
 Project No. E11109-04  
 Project PM J. Johnson  
 Date Sampled 03-04-09

ORIGINAL

Well ID	Temp C	pH	cond	gallons	Well ID	Temp C	pH	cond	gallons
Well ID <u>MW-2</u>					Well ID <u>MW-3</u>				
purge start time					purge start time <u>0755</u>				
time					time	<del>20.7</del>	<del>8.05</del>	<del>6</del>	
time					time	20.7	6.79	805	⊗
time					time	21.6	6.84	832	23
time					time	Dry @ 24			
purge stop time					purge stop time	19.7	6.71	851	(24)
Well ID <u>MW-4</u>					Well ID <u>MW-5</u>				
purge start time <u>0816</u>					purge start time				
time	19.7	6.48	701	⊗	time				
time	20.3	6.46	6.94	16	time				
time	Dry @ 18 gal				time				
time	19.1	6.47	718	(18)	time				
purge stop time					purge stop time				
Well ID <u>MW-6</u>					Well ID <u>MW-7</u>				
purge start time <u>0843</u>					purge start time <u>0736</u>				
time	19.9	6.76	620	⊗	time	19.3	6.87	671	⊗
time	Dry @ 21 gal				time	Dry @ 23			
time	18.7	6.82	641	(21)	time	18.5	6.93	693	(23)
time					time				
purge stop time					purge stop time				
Well ID <u>MW-8</u>					Well ID <u>MW-9</u>				
purge start time <u>0908</u>					purge start time <u>0908</u>				
time	17.1	6.63	576	⊗	time	21.4	6.92	425	⊗
time	18.3	6.75	472	5	time	Dry @ 4 gal			
time	Dry @ 8 gal				time	19.2	6.84	424	(4)
time	17.2	6.96	475	(8)	time				
purge stop time	ORP (76)				purge stop time				

50

65

85

# WELLHEAD OBSERVATION FORM



Site Name/Number: ARCO 11109

Date: 03-04-09 Technician: S. Wilkins / V. Zolotchen

Well I.D.	Box in Good Condition? <small>X = Yes Blank = No</small>	Lock Missing? <small>X = Yes (replaced) Blank = No</small>	Water in Wellbox? <small>X = Yes Blank = No</small>	Water Level Relative to Cap? <small>A = Above cap B = Below cap L = Level w/cap</small>	Well Cap? <small>I = Intact M = Missing or Compromised (replaced)</small>	Bolts Missing? <small>X = Yes Blank = No</small>	Bolts Stripped? <small>X = Yes Blank = No</small>	Bolt Holes Stripped? <small>X = Yes Blank = No</small>	Cracked or Broken Lid? <small>X = Yes Blank = No</small>	Cracked or Broken Box? <small>X = Yes Blank = No</small>	Grout Level more than 1ft below TOC? <small>X = Yes Blank = No</small>	Additional Comments <small>(such as missing lid, loose wire, needle, replace missing bolts, etc.)</small>
<u>MW-2</u>	<u>X</u>											
<u>3</u>	<u>X</u>					<u>3</u>						
<u>4</u>	<u>X</u>					<u>2</u>						
<u>5</u>			<u>X</u>	<u>A</u>								
<u>6</u>	<u>X</u>											
<u>7</u>	<u>X</u>											
<u>8</u>	<u>X</u>											
<u>9</u>	<u>X</u>											

**DRUM INVENTORY**

Drums on site? 0 No (circle) Plastic: \_\_\_\_\_  
 Type and # Steel: 1

Note whether drums are full or empty, solids or liquids:  
contains mix from MW-9

Drum label info (description, date, contact info):  
 \_\_\_\_\_  
 \_\_\_\_\_

**GENERAL SITE CONDITIONS**

Make notes on housekeeping conditions (such as trash around remediation system enclosure/compound, bent or missing bollards, signs missing from compound fences, graffiti on compound, etc.)

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

NO. 673995

# NON-HAZARDOUS WASTE DATA FORM

SITE:

EPA I.D. NO.

NOT REQUIRED

NAME BP WEST COAST PRODUCTS LLC ARCO #

PROFILE NO.

ADDRESS P.O. BOX 80249  
RANCHO SANTA MARGARITA  
CITY, STATE, ZIP CA 92688

PHONE NO. ( )

CONTAINERS: No. \_\_\_\_\_ VOLUME \_\_\_\_\_ 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. <u>WATER</u> <u>99-100%</u> | 5. _____        |
| 2. <u>TPH</u> <u>&lt;1%</u>    | 6. _____        |
| 3. _____                       | 7. <u>BESI#</u> |
| 4. _____                       | 8. _____        |

PROPERTIES: 7-8 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 Mochart BESI for BP  
TYPED OR PRINTED FULL NAME & SIGNATURE

DATE

TO BE COMPLETED BY GENERATOR

TRANSPORTER

NAME Transporter #1 STRATUS ENVIRONMENTAL Transporter #2

EPA I.D. NO.

ADDRESS 3830 CAMERON PARK DR

SERVICE ORDER NO. \_\_\_\_\_

CITY, STATE, ZIP CAMERON PARK, CA 95682

PICK UP DATE \_\_\_\_\_

PHONE NO. 530-576-2051

TRUCK, UNIT, I.D. NO. \_\_\_\_\_

TYPED OR PRINTED FULL NAME & SIGNATURE

DATE

TSD FACILITY

NAME INSTRAT, INC

EPA I.D. NO.

ADDRESS 1105 AIRPORT RD #C

DISPOSAL METHOD

CITY, STATE, ZIP RIO VISTA, CA 94571

LANDFILL  OTHER \_\_\_\_\_

PHONE NO. 530-752-1829

TYPED OR PRINTED FULL NAME & SIGNATURE

DATE

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

DISCREPANCY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1 Generator ID Number CAL000282727	2 Page 1 of 1	3 Emergency Response Phone 900-424-6300	4 Manifest Tracking Number 002152844 FLE			
5. Generator's Name and Mailing Address BP West Coast Products LLC P.O. Box 80249 Rancho Santa Margarita, CA 92688 Generator's Phone: 949-463-8200				Generator's Site Address (if different than mailing address) Former ARCO 1109 4260 FOOTHILL BLVD OAKLAND, CA 94601				
6 Transporter 1 Company Name BELSHIRE				U.S. EPA ID Number CAE000183813				
7 Transporter 2 Company Name Niata & Sons Trucking				U.S. EPA ID Number CAT 080016116				
8 Designated Facility Name and Site Address DeMenno Kerodon 3090 N. Alameda St. Compton, CA 90222 Facility's Phone: 310-637-7100				U.S. EPA ID Number CAT 080013352				
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers No. Type		11 Total Quantity	12 Unit Wt./Vol.	13 Waste Codes
1	Gasoline Mixture 3, UN1203, PG II			1		50	G	134
2	THIS WASTE STREAM HAS BEEN QUALIFIED FOR RECYCLING/TREATMENT AT THE DeMENNO/KERODON FACILITY IN COMPTON, CALIFORNIA. THIS FACILITY HAS THE NECESSARY PERMITS TO RECEIVE HAZARDOUS WASTE STREAMS AS QUALIFIED. OUR EPA NUMBER IS CAT080013352.							
3								
4								
14 Special Handling Instructions and Additional Information ERG 128 Gasoline & Water 1X55				WEAR ALL APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT		BESI: 183030		
15 GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offeror's Printed/Typed Name Larry Moorhead of BESI on behalf of generator				Signature 		Month Day Year 10/14/09		
16 International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____								
17. Transporter Acknowledgment of Receipt of Materials								
Transporter 1 Printed/Typed Name KINGSTON				Signature 		Month Day Year 10/14/09		
Transporter 2 Printed/Typed Name Moorhead				Signature 		Month Day Year 10/16/09		
18 Discrepancy								
18a Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
Manifest Reference Number: _____								
18b Alternate Facility (or Generator) 11109 452061				U.S. EPA ID Number				
Facility's Phone								
18c Signature of Alternate Facility (or Generator) Month Day Year								
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1	2	3	4					
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name Annunzio Traverso				Signature 		Month Day Year 01/16/09		

**Laboratory Management Program LaMP Chain of Custody Record**

BP/ARC Project Name: ARCO 11109

**ORIGINAL**

Req Due Date (mm/dd/yy): Feb 11 2009

BP/ARC Facility No: 11109

11109

Lab Work Order Number: \_\_\_\_\_

Rush TAT: Yes  No

Lab Name: <u>Cal Science</u>	BP/ARC Facility Address: <u>4280 Foothill</u>	Consultant/Contractor: <u>Stratus Environmental</u>
Lab Address: <u>7440 Lincoln Way</u>	City, State, ZIP Code: <u>Oakland, CA</u>	Consultant/Contractor Project No: <u>E11109-QM/O&amp;M</u>
Lab PM: <u>Richard Villafania</u>	Lead Regulatory Agency: <u>Alameda County</u>	Address: <u>3330 Cameron Park Dr., Cameron Park, CA 95662</u>
Lab Phone: <u>714-895-5494 / 714-895-7501 (fax)</u>	California Global ID No.: <u>T0600100217</u>	Consultant/Contractor PM: <u>Jay Johnson</u>
Lab Shipping Acct:	Enfos Proposal No: <u>000GK-6004</u>	Phone: <u>530-676-6000 / 530-676-6005 (fax)</u>
Lab Bottle Order No:	Accounting Mode: Provision <input checked="" type="checkbox"/> COC-BU <input type="checkbox"/> OOC-RM <input type="checkbox"/>	Email EDD To: <u>chuff@stratusinc.net</u>
Other Info:	Stage: <u>1st Qtr.</u> Activity: <u>QM</u>	Invoice To: <u>BP/ARC</u> <input checked="" type="checkbox"/> Contractor <input type="checkbox"/>

BP/ARC EBM: Paul Supple

EBM Phone: 925-275-3506

EBM Email: paul.supple@bp.com

Lab No.	Sample Description	Date	Time	Matrix							No. Containers / Preservative							Requested Analyses					Report Type & QC Level		Comments			
				Solids	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H <sub>2</sub> O <sub>2</sub>	HCl	Methanol	GC/MS by B&B	GC/MS by B&B	GC/MS by B&B	GC/MS by B&B	GC/MS by B&B	GC/MS by B&B	GC/MS by B&B	GC/MS by B&B	Standard	Full Data Package							
	<del>Not Sampled</del> <del>SW-2</del>	<u>2009</u> <u>03/04</u>		X			6						X	X	X	X	X	X	X	X	X							
	<u>MW-3</u>		<u>0807</u>																									
	<del>Not Sampled</del> <del>SW-3</del>		<u>0832</u>																									
	<u>MW-6</u>		<u>0857</u>																									
	<u>MW-7</u>		<u>0744</u>																									
	<u>MW-8</u>		<u>0723</u>																									
	<u>MW-9</u>		<u>0915</u>																									
	<u>TB 11109 03042009</u>	<u>03/04</u>	<u>0930</u>	X			12																					

Sampler's Name: G. Wilkins / V. Zalutka

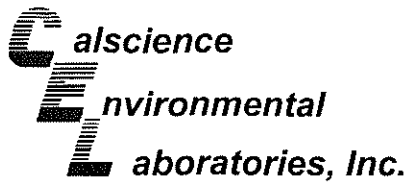
Sampler's Company: Stratus

Shipment Method: Stratus Ship Date: 03-04-09

Shipment Tracking No: \_\_\_\_\_

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

Relinquished By / Affiliation:	Date:	Time:	Accepted By / Affiliation:	Date:	Time:
<u>[Signature]</u>	<u>030409</u>	<u>1057</u>	<u>[Signature]</u>	<u>03-4-09</u>	<u>1057</u>



March 18, 2009

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

Subject: **Calscience Work Order No.: 09-03-0379**  
**Client Reference: ARCO 11109**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/5/2009 and analyzed in accordance with the attached chain-of-custody.

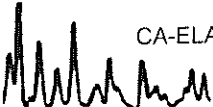
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows 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.

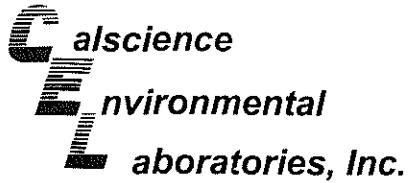
If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read 'Richard Villafania', with a stylized flourish at the end.

Calscience Environmental  
Laboratories, Inc.  
Richard Villafania  
Project Manager





## Analytical Report

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

Date Received: 03/05/09  
Work Order No: 09-03-0379  
Preparation: EPA 5030B  
Method: EPA 8015B (M)

Project: ARCO 11109

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-3	09-03-0379-1-E	03/04/09 08:07	Aqueous	GC 4	03/13/09	03/13/09 16:19	090313B01

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	95	38-134			

MW-4	09-03-0379-2-E	03/04/09 08:32	Aqueous	GC 4	03/13/09	03/13/09 18:30	090313B01
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Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	140	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	92	38-134			

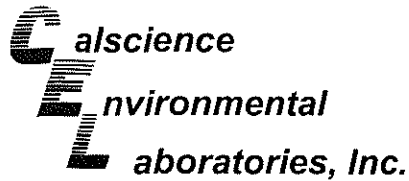
MW-6	09-03-0379-3-E	03/04/09 08:57	Aqueous	GC 4	03/13/09	03/13/09 19:03	090313B01
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Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	93	38-134			

MW-7	09-03-0379-4-E	03/04/09 07:44	Aqueous	GC 4	03/13/09	03/13/09 19:35	090313B01
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Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	720	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	86	38-134			

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



## Analytical Report

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

Date Received: 03/05/09  
Work Order No: 09-03-0379  
Preparation: EPA 5030B  
Method: EPA 8015B (M)

Project: ARCO 11109

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-8	09-03-0379-5-E	03/04/09 07:23	Aqueous	GC 4	03/13/09	03/13/09 20:08	090313B01

Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	92	38-134			

MW-9	09-03-0379-6-E	03/04/09 09:15	Aqueous	GC 4	03/13/09	03/13/09 20:41	090313B01
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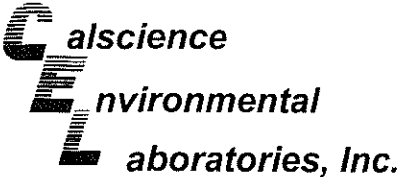
Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	92	38-134			

Method Blank	099-12-695-473	N/A	Aqueous	GC 4	03/13/09	03/13/09 14:40	090313B01
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Parameter	Result	RL	DF	Qual	Units
Gasoline Range Organics (C6-C12)	ND	50	1		ug/L
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>		<u>Qual</u>	
1,4-Bromofluorobenzene	88	38-134			

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





Analytical Report

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

Date Received: 03/05/09
Work Order No: 09-03-0379
Preparation: EPA 5030B
Method: EPA 8260B
Units: ug/L

Project: ARCO 11109

Page 1 of 3

Table with 9 columns: Client Sample Number, Lab Sample Number, Date/Time Collected, Matrix, Instrument, Date Prepared, Date/Time Analyzed, QC Batch ID. Row 1: MW-3, 09-03-0379-1-A, 03/04/09 08:07, Aqueous, GC/MS BB, 03/14/09, 03/14/09 17:22, 090314L01

Table with 10 columns: Parameter, Result, RL, DF, Qual, Parameter, Result, RL, DF, Qual. Lists Benzene, 1,2-Dibromoethane, 1,2-Dichloroethane, Ethylbenzene, Toluene, Xylenes (total), Surrogates, 1,2-Dichloroethane-d4, Toluene-d8, Methyl-t-Butyl Ether (MTBE), Tert-Butyl Alcohol (TBA), Diisopropyl Ether (DIPE), Ethyl-t-Butyl Ether (ETBE), Tert-Amyl-Methyl Ether (TAME), Ethanol, Dibromofluoromethane, 1,4-Bromofluorobenzene.

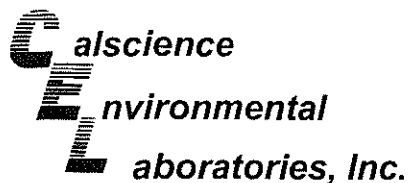
Table with 9 columns: Client Sample Number, Lab Sample Number, Date/Time Collected, Matrix, Instrument, Date Prepared, Date/Time Analyzed, QC Batch ID. Row 1: MW-4, 09-03-0379-2-A, 03/04/09 08:32, Aqueous, GC/MS BB, 03/14/09, 03/14/09 19:31, 090314L01

Table with 10 columns: Parameter, Result, RL, DF, Qual, Parameter, Result, RL, DF, Qual. Lists Benzene, 1,2-Dibromoethane, 1,2-Dichloroethane, Ethylbenzene, Toluene, Xylenes (total), Surrogates, 1,2-Dichloroethane-d4, Toluene-d8, Methyl-t-Butyl Ether (MTBE), Tert-Butyl Alcohol (TBA), Diisopropyl Ether (DIPE), Ethyl-t-Butyl Ether (ETBE), Tert-Amyl-Methyl Ether (TAME), Ethanol, Dibromofluoromethane, 1,4-Bromofluorobenzene.

Table with 9 columns: Client Sample Number, Lab Sample Number, Date/Time Collected, Matrix, Instrument, Date Prepared, Date/Time Analyzed, QC Batch ID. Row 1: MW-6, 09-03-0379-3-A, 03/04/09 08:57, Aqueous, GC/MS BB, 03/14/09, 03/14/09 20:03, 090314L01

Table with 10 columns: Parameter, Result, RL, DF, Qual, Parameter, Result, RL, DF, Qual. Lists Benzene, 1,2-Dibromoethane, 1,2-Dichloroethane, Ethylbenzene, Toluene, Xylenes (total), Surrogates, 1,2-Dichloroethane-d4, Toluene-d8, Methyl-t-Butyl Ether (MTBE), Tert-Butyl Alcohol (TBA), Diisopropyl Ether (DIPE), Ethyl-t-Butyl Ether (ETBE), Tert-Amyl-Methyl Ether (TAME), Ethanol, Dibromofluoromethane, 1,4-Bromofluorobenzene.

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



## Analytical Report

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

Date Received: 03/05/09  
Work Order No: 09-03-0379  
Preparation: EPA 5030B  
Method: EPA 8260B  
Units: ug/L

Project: ARCO 11109

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>MW-7</b>	<b>09-03-0379-4-B</b>	<b>03/04/09 07:44</b>	<b>Aqueous</b>	<b>GC/MS BB</b>	<b>03/16/09</b>	<b>03/16/09 13:39</b>	<b>090316L01</b>

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	15	0.50	1		Methyl-t-Butyl Ether (MTBE)	3.4	0.50	1	
1,2-Dibromoethane	ND	0.50	1		Tert-Butyl Alcohol (TBA)	12	10	1	
1,2-Dichloroethane	ND	0.50	1		Diisopropyl Ether (DIPE)	ND	0.50	1	
Ethylbenzene	0.53	0.50	1		Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1	
Toluene	0.59	0.50	1		Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1	
Xylenes (total)	ND	0.50	1		Ethanol	ND	300	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u>		<u>Qual</u>
		<u>Limits</u>					<u>Limits</u>		
1,2-Dichloroethane-d4	91	73-145			Dibromofluoromethane	107	81-135		
Toluene-d8	95	83-119			1,4-Bromofluorobenzene	88	74-110		

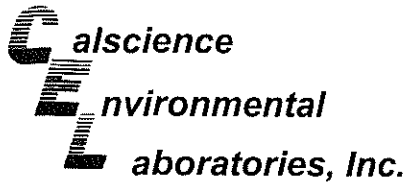
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>MW-8</b>	<b>09-03-0379-5-A</b>	<b>03/04/09 07:23</b>	<b>Aqueous</b>	<b>GC/MS BB</b>	<b>03/14/09</b>	<b>03/14/09 21:07</b>	<b>090314L01</b>

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	300	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u>		<u>Qual</u>
		<u>Limits</u>					<u>Limits</u>		
1,2-Dichloroethane-d4	102	73-145			Dibromofluoromethane	110	81-135		
Toluene-d8	96	83-119			1,4-Bromofluorobenzene	88	74-110		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>MW-9</b>	<b>09-03-0379-6-A</b>	<b>03/04/09 09:15</b>	<b>Aqueous</b>	<b>GC/MS BB</b>	<b>03/14/09</b>	<b>03/14/09 21:39</b>	<b>090314L01</b>

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	300	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u>		<u>Qual</u>
		<u>Limits</u>					<u>Limits</u>		
1,2-Dichloroethane-d4	103	73-145			Dibromofluoromethane	110	81-135		
Toluene-d8	98	83-119			1,4-Bromofluorobenzene	86	74-110		

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



## Analytical Report

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

Date Received: 03/05/09  
Work Order No: 09-03-0379  
Preparation: EPA 5030B  
Method: EPA 8260B  
Units: ug/L

Project: ARCO 11109

Page 3 of 3

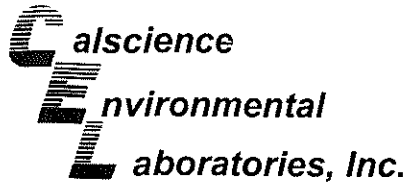
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>Method Blank</b>	<b>099-12-703-775</b>	<b>N/A</b>	<b>Aqueous</b>	<b>GC/MS BB</b>	<b>03/14/09</b>	<b>03/14/09 16:50</b>	<b>090314L01</b>

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	300	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u>		<u>Qual</u>
		<u>Limits</u>					<u>Limits</u>		
1,2-Dichloroethane-d4	96	73-145			Dibromofluoromethane	102	81-135		
Toluene-d8	99	83-119			1,4-Bromofluorobenzene	86	74-110		

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
<b>Method Blank</b>	<b>099-12-703-776</b>	<b>N/A</b>	<b>Aqueous</b>	<b>GC/MS BB</b>	<b>03/16/09</b>	<b>03/16/09 12:35</b>	<b>090316L01</b>

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	300	1	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u>		<u>Qual</u>	<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control</u>		<u>Qual</u>
		<u>Limits</u>					<u>Limits</u>		
1,2-Dichloroethane-d4	97	73-145			Dibromofluoromethane	100	81-135		
Toluene-d8	97	83-119			1,4-Bromofluorobenzene	88	74-110		

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



**Quality Control - Spike/Spike Duplicate**

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

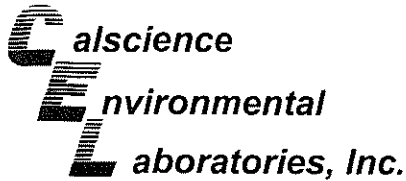
Date Received: 03/05/09  
 Work Order No: 09-03-0379  
 Preparation: EPA 5030B  
 Method: EPA 8015B (M)

Project ARCO 11109

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-3	Aqueous	GC 4	03/13/09	03/13/09	090313S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Gasoline Range Organics (C6-C12)	96	89	38-134	7	0-25	

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - Spike/Spike Duplicate

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

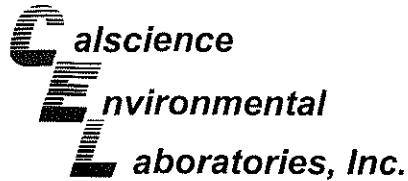
Date Received: 03/05/09  
Work Order No: 09-03-0379  
Preparation: EPA 5030B  
Method: EPA 8260B

Project ARCO 11109

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW-3	Aqueous	GC/MS BB	03/14/09	03/14/09	090314S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	107	106	86-122	1	0-8	
Carbon Tetrachloride	116	116	78-138	1	0-9	
Chlorobenzene	108	106	90-120	2	0-9	
1,2-Dibromoethane	104	104	70-130	0	0-30	
1,2-Dichlorobenzene	108	108	89-119	0	0-10	
1,1-Dichloroethene	105	103	52-142	2	0-23	
Ethylbenzene	97	95	70-130	2	0-30	
Toluene	103	101	85-127	2	0-12	
Trichloroethene	104	103	78-126	2	0-10	
Vinyl Chloride	86	86	56-140	1	0-21	
Methyl-t-Butyl Ether (MTBE)	89	92	64-136	2	0-28	
Tert-Butyl Alcohol (TBA)	109	107	27-183	1	0-60	
Diisopropyl Ether (DIPE)	91	90	78-126	1	0-16	
Ethyl-t-Butyl Ether (ETBE)	87	88	67-133	0	0-21	
Tert-Amyl-Methyl Ether (TAME)	87	88	63-141	1	0-21	
Ethanol	112	109	11-167	2	0-64	

RPD - Relative Percent Difference , CL - Control Limit



## Quality Control - Spike/Spike Duplicate

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

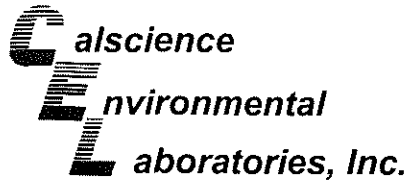
Date Received: 03/05/09  
Work Order No: 09-03-0379  
Preparation: EPA 5030B  
Method: EPA 8260B

Project ARCO 11109

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
09-03-0499-8	Aqueous	GC/MS BB	03/16/09	03/16/09	090316S01

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	104	108	86-122	3	0-8	
Carbon Tetrachloride	110	115	78-138	5	0-9	
Chlorobenzene	105	108	90-120	2	0-9	
1,2-Dibromoethane	102	106	70-130	4	0-30	
1,2-Dichlorobenzene	106	109	89-119	3	0-10	
1,1-Dichloroethene	92	93	52-142	1	0-23	
Ethylbenzene	92	95	70-130	3	0-30	
Toluene	98	101	85-127	3	0-12	
Trichloroethene	101	103	78-126	2	0-10	
Vinyl Chloride	84	86	56-140	3	0-21	
Methyl-t-Butyl Ether (MTBE)	89	91	64-136	2	0-28	
Tert-Butyl Alcohol (TBA)	103	109	27-183	5	0-60	
Diisopropyl Ether (DIPE)	90	93	78-126	3	0-16	
Ethyl-t-Butyl Ether (ETBE)	88	91	67-133	3	0-21	
Tert-Amyl-Methyl Ether (TAME)	88	90	63-141	2	0-21	
Ethanol	100	103	11-167	3	0-64	

RPD - Relative Percent Difference , CL - Control Limit

**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: 09-03-0379  
Preparation: EPA 5030B  
Method: EPA 8015B (M)

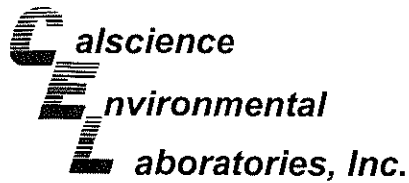
Project: ARCO 11109

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-695-473	Aqueous	GC 4	03/13/09	03/13/09	090313B01

<u>Parameter</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	<u>Qualifiers</u>
Gasoline Range Organics (C6-C12)	108	107	78-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501



## 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: 09-03-0379  
Preparation: EPA 5030B  
Method: EPA 8260B

Project: ARCO 11109

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-12-703-775	Aqueous	GC/MS BB	03/14/09	03/14/09	090314L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	108	105	87-117	82-122	3	0-7	
Carbon Tetrachloride	121	114	78-132	69-141	5	0-8	
Chlorobenzene	112	107	88-118	83-123	5	0-8	
1,2-Dibromoethane	110	104	80-120	73-127	7	0-20	
1,2-Dichlorobenzene	111	107	88-118	83-123	3	0-8	
1,1-Dichloroethene	107	105	71-131	61-141	2	0-14	
Ethylbenzene	101	98	80-120	73-127	3	0-20	
Toluene	104	101	85-127	78-134	2	0-7	
Trichloroethene	111	107	85-121	79-127	4	0-11	
Vinyl Chloride	93	91	64-136	52-148	3	0-10	
Methyl-t-Butyl Ether (MTBE)	93	88	67-133	56-144	5	0-16	
Tert-Butyl Alcohol (TBA)	103	101	34-154	14-174	2	0-19	
Diisopropyl Ether (DIPE)	96	89	80-122	73-129	7	0-8	
Ethyl-t-Butyl Ether (ETBE)	91	87	73-127	64-136	5	0-11	
Tert-Amyl-Methyl Ether (TAME)	89	87	69-135	58-146	3	0-12	
Ethanol	100	104	34-124	19-139	4	0-44	

Total number of LCS compounds : 16

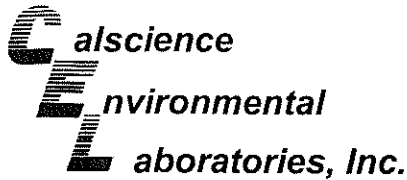
Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit





## 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: 09-03-0379  
Preparation: EPA 5030B  
Method: EPA 8260B

Project: ARCO 11109

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-12-703-776	Aqueous	GC/MS BB	03/16/09	03/16/09	090316L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	104	102	87-117	82-122	2	0-7	
Carbon Tetrachloride	110	111	78-132	69-141	1	0-8	
Chlorobenzene	105	104	88-118	83-123	1	0-8	
1,2-Dibromoethane	104	107	80-120	73-127	3	0-20	
1,2-Dichlorobenzene	104	106	88-118	83-123	2	0-8	
1,1-Dichloroethene	101	96	71-131	61-141	4	0-14	
Ethylbenzene	95	93	80-120	73-127	1	0-20	
Toluene	102	98	85-127	78-134	3	0-7	
Trichloroethene	103	104	85-121	79-127	1	0-11	
Vinyl Chloride	89	87	64-136	52-148	2	0-10	
Methyl-t-Butyl Ether (MTBE)	90	90	67-133	56-144	1	0-16	
Tert-Butyl Alcohol (TBA)	104	104	34-154	14-174	0	0-19	
Diisopropyl Ether (DIPE)	90	90	80-122	73-129	0	0-8	
Ethyl-t-Butyl Ether (ETBE)	87	88	73-127	64-136	1	0-11	
Tert-Amyl-Methyl Ether (TAME)	90	89	69-135	58-146	0	0-12	
Ethanol	102	98	34-124	19-139	3	0-44	

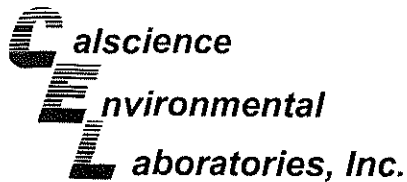
Total number of LCS compounds : 16

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



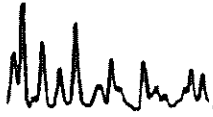
## Glossary of Terms and Qualifiers

Work Order Number: 09-03-0379

<u>Qualifier</u>	<u>Definition</u>
AX	Sample too dilute to quantify surrogate.
BA	There was no MS/MSD analyzed with this batch due to insufficient sample volume (NR = not reported). See Blank Spike/Blank Spike Duplicate.
BA,AY	Relative percent difference out of control, matrix interference suspected.
BB	Sample > 4x spike concentration.
BF	Reporting limits raised due to high hydrocarbon background.
BH	Reporting limits raised due to high level of non-target analytes.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
BY	Sample received at improper temperature.
CL	Initial analysis within holding time but required dilution.
CQ	Analyte concentration greater than 10 times the blank concentration.
CU	Surrogate concentration diluted to not detectable during analysis.
DF	Reporting limits elevated due to matrix interferences.
ET	Sample was extracted past end of recommended max. holding time.
EY	Result exceeds normal dynamic range; reported as a min est.
GS	Internal standard recovery is outside method recovery limit.
IB	CCV recovery above limit; analyte not detected.
IH	Calibrtn. verif. recov. below method CL for this analyte.
IJ	Calibrtn. verif. recov. above method CL for this analyte.
J,DX	J=EPA Flag -Estimated value; DX= Value < lowest standard (MQL), but > than MDL.
LA	Confirmatory analysis was past holding time.
LG	Surrogate recovery below the acceptance limit.
LH	Surrogate recovery above the acceptance limit.
LM,AY	MS and/or MSD above acceptance limits. See Blank Spike (LCS). Matrix interference suspected.
LN,AY	MS and/or MSD below acceptance limits. See Blank Spike (LCS). Matrix interference suspected.
LQ	LCS recovery above method control limits.
LR	LCS recovery below method control limits.

---

<u>Qualifier</u>	<u>Definition</u>
MB	Analyte present in the method blank.
MG	Analyte is a suspected lab contaminate.
PC	Sample taken from VOA vial with air bubble > 6mm diameter.
PI	Primary and confirm results varied by > than 40% RPD.
RB	RPD exceeded method control limit; % recoveries within limits.



**Laboratory Management Program LaMP Chain of Custody Record**

5379  
SOL TAT

BP/ARC Project Name: ARCO 11109  
BP/ARC Facility No: 11109

Req Due Date (mm/dd/yy): \_\_\_\_\_ Rush TAT: Yes \_\_\_ No X  
Lab Work Order Number: \_\_\_\_\_

Lab Name: <u>Cal Science</u>	BP/ARC Facility Address: <u>4280 Foothill</u>	Consultant/Contractor: <u>Stratus Environmental</u>
Lab Address: <u>7440 Lincoln Way</u>	City, State, ZIP Code: <u>Oakland, CA</u>	Consultant/Contractor Project No: <u>E11109-QM/O&amp;M</u>
Lab PM: <u>Richard Villafania</u>	Lead Regulatory Agency: <u>Alameda County</u>	Address: <u>3330 Cameron Park Dr., Cameron Park, CA 95682</u>
Lab Phone: <u>714-895-5494 / 714-895-7501 (fax)</u>	California Global ID No.: <u>T0600100217</u>	Consultant/Contractor PM: <u>Jay Johnson</u>
Lab Shipping Acct:	Enfos Proposal No: <u>000GK-0004</u>	Phone: <u>530-676-6000 / 530-676-6005 (fax)</u>
Lab Bottle Order No:	Accounting Mode: Provision <u>X</u> OOC-BU ___ OOC-RM ___	Email EDD To: <u>chuff@stratusinc.net</u>
Other Info:	Stage: <u>1st Qtr.</u> Activity: <u>QM</u>	Invoice To: <u>BP/ARC X</u> Contractor: _____

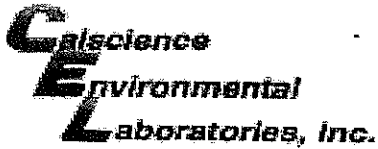
BP/ARC EBM: <u>Paul Supple</u>	<table border="1"> <tr> <th>Matrix</th> <th colspan="7">No. Containers / Preservative</th> <th colspan="5">Requested Analyses</th> <th colspan="2">Report Type &amp; QC Level</th> </tr> <tr> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td>Standard ___</td> <td>Full Data Package ___</td> </tr> <tr> <td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td colspan="2">Comments</td> </tr> </table>	Matrix	No. Containers / Preservative							Requested Analyses					Report Type & QC Level																	Standard ___	Full Data Package ___																Comments	
Matrix		No. Containers / Preservative							Requested Analyses					Report Type & QC Level																																				
																Standard ___	Full Data Package ___																																	
															Comments																																			
EBM Phone: <u>925-275-3506</u>																																																		
EBM Email: <u>paul.supple@bp.com</u>																																																		

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Methanol	GRO by 8015M	BTEX *	5 oxy's *	EDB *	1,2 DCA *	Ethanol *	Comments	
	<del>Not Sampled</del> <del>MW-2</del>	<u>2009</u> <u>03/04</u>			X		<u>6</u>				X		X	X	X	X	X	X		
<u>1</u>	<u>MW-3</u>		<u>0807</u>																	<u>* by 8260</u>
<u>2</u>	<del>Not Sampled</del> <del>MW-4</del>		<u>0832</u>																	
<u>3</u>	<u>MW-6</u>		<u>0857</u>																	
<u>4</u>	<u>MW-7</u>		<u>0744</u>																	
<u>5</u>	<u>MW-8</u>		<u>0723</u>																	
<u>6</u>	<u>MW-9</u>		<u>0915</u>																	
<u>7</u>	<u>TB 1109 03042009</u>	<u>03/04</u>	<u>0530</u>	X			<u>2</u>				X									<u>ON HOLD</u>

Sampler's Name: <u>G. Wilkins / V. Zalutka</u>	Relinquished By / Affiliation: <u>[Signature]</u>	Date: <u>030409</u>	Time: <u>1057</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>3-4-09</u>	Time: <u>1057</u>
Sampler's Company: <u>Stratus</u>	Ship Date: <u>03-04-09</u>	ion delivery to GSO				
Shipment Method: <u>Stratus</u>						
Shipment Tracking No:						

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

THIS LINE - LAB USE ONLY: 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



WORK ORDER #: 09-03-0379

**SAMPLE RECEIPT FORM**

Cooler 1 of 1

CLIENT: Stratus

DATE: 03/05/09

**TEMPERATURE:** (Criteria: 0.0°C – 6.0°C, not frozen)

Temperature 1.8 °C - 0.2 °C (CF) = 1.6 °C  Blank  Sample

Sample(s) outside temperature criteria (PM/APM contacted by: \_\_\_\_\_).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature:  Air  Filter  Metals Only  PCBs Only Initial: HP

**CUSTODY SEALS INTACT:**

Cooler  \_\_\_\_\_  No (Not Intact)  Not Present  N/A Initial: JP

Sample  \_\_\_\_\_  No (Not Intact)  Not Present Initial: BF

**SAMPLE CONDITION:**

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sampler's name indicated on COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Correct containers and volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Volatile analysis container(s) free of headspace.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**CONTAINER TYPE:**

Solid:  4ozCGJ  8ozCGJ  16ozCGJ  Sleeve  EnCores®  TerraCores®  \_\_\_\_\_

Water:  VOA  VOAh  VOAna<sub>2</sub>  125AGB  125AGBh  125AGBpo<sub>4</sub>  1AGB  1AGBna<sub>2</sub>

1AGBs  500AGB  500AGBs  250CGB  250CGBs  1PB  500PB  500PBna  250PB

250PBn  125PB  125PBzanna  100PBsterile  100PBna<sub>2</sub>  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

Air:  Tedlar®  Summa®  \_\_\_\_\_

Container: C:Clear A:Amber P:Poly/Plastic G:Glass J:Jar B:Bottle

Preservative: h:HCL n:HNO<sub>3</sub> na<sub>2</sub>:Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> na:NaOH po<sub>4</sub>:H<sub>3</sub>PO<sub>4</sub> s:H<sub>2</sub>SO<sub>4</sub> zanna:ZnAc<sub>2</sub>+NaOH

Checked/Labeled by: BF  
 Reviewed by: PL  
 Scanned by: BF

## ATTACHMENT

### FIELD PROCEDURES FOR GROUNDWATER SAMPLING

---

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

#### 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<sup>®</sup> 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**

CO-MONITORED DATA



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0076  
4265 Foothill Boulevard  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH- GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)
<b>C-1</b>												
04/28/89	35.42	15.37	20.05	--	--	940	30	1.3	11	13	--	--
08/08/89	35.42	11.35	24.07	--	--	820	45	2.0	13	13	--	--
12/21/89	35.42	12.61	22.81	--	--	--	--	--	--	--	--	--
08/27/90	35.42	13.30	22.12	--	--	440	15	1.0	6.0	13	--	--
11/04/90	35.42	9.86	25.56	--	--	--	--	--	--	--	--	--
06/18/91	35.42	13.78	21.64	--	--	74	5.6	0.6	1.9	1.3	--	--
09/19/91	35.42	10.84	24.58	--	--	150	7.1	<0.5	2.3	3.0	--	--
12/20/91	35.42	9.25	26.17	--	--	250	10	<0.5	3.7	1.6	--	--
03/18/92	35.42	17.17	18.25	--	--	190	16	<0.5	8.5	3	--	--
07/14/92	35.42	7.81	27.61	--	--	20,000	480	2,200	510	2,900	--	--
10/08/92	35.42	10.98	24.44	--	--	360	34	4.6	19	12	--	--
01/08/93	35.42	15.74	19.68	--	--	120	9.1	0.5	5.1	1.8	--	--
04/14/93	35.42	19.04	16.38	--	--	190	74	0.6	1.0	2.0	--	--
07/16/93	35.42	--	--	--	--	--	--	--	--	--	--	--
07/27/93	35.42	26.03	9.39	--	--	300	12	<0.5	5.0	2.0	--	--
09/21/93	38.41	16.99	21.42	--	--	360	12	1.2	5.8	3.7	--	--
01/28/94	38.41	18.84	19.57	--	--	370	24	1.0	13	4.0	--	--
03/17/94	38.41	21.56	16.85	--	--	460	42	<0.5	6.7	3.7	--	--
06/16/94	38.41	20.58	17.83	--	--	320	20	0.7	8.7	3.0	--	--
09/22/94	38.41	18.15	20.26	--	--	380	24	0.6	8.8	1.9	--	--
12/15/94	38.41	22.59	15.82	--	--	280	23	7.6	7.8	13	--	--
03/30/95	38.41	26.39	12.02	--	--	2,200	890	8.9	15	<5.0	--	--
06/20/95	38.41	24.01	14.40	--	--	690	140	<2.0	9.4	2.8	--	--
09/20/95	38.41	24.59	13.82	--	--	730	27	78	26	130	--	--
12/06/95	38.41	17.81	20.60	--	--	220	16	<0.5	7.2	1.7	11	--
03/21/96	38.41	26.76	11.65	--	--	640	170	<2.0	6.7	<2.0	35	--
06/21/96	38.41	24.16	14.25	--	--	640	140	<1.2	8.7	2.0	23	--
09/06/96	38.41	21.66	16.75	--	--	460	24	0.56	10	2.4	43	--
12/19/96	38.41	24.43	13.98	--	--	790	120	22	13	19	<25	--
03/17/97	38.41	25.63	12.78	--	--	2,200	660	<10	15	<10	110	--
06/11/97	38.41	23.25	15.16	--	--	1,500	130	<2.0	16	3.4	130	--
09/17/97	38.41	21.47	16.94	--	--	910	160	23	13	49	180	--
12/11/97	38.41	25.23	13.18	--	--	2,000	270	7.0	53	7.4	460	--
03/12/98	38.41	28.92	9.49	--	--	3,100	1,300	<20	42	<20	760	--
06/23/98	38.41	28.19	10.22	--	--	1,300	650	6.9	22	6.5	290	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0076  
4265 Foothill Boulevard  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH- GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)
<b>C-1 (cont)</b>												
09/01/98	38.41	21.43	16.98	--	--	270	6.0	<2.5	<2.5	<2.5	950	--
12/30/98	38.41	22.29	16.12	--	--	2,020	578	<5.0	<5.0	<5.0	1,720	--
03/31/99	38.41	24.53	13.88	--	--	2,140	776	5.89	<5.0	5.15	1,170	--
06/14/99	38.41	23.09	15.32	--	--	1,450	524	<5.0	<5.0	<5.0	1,150	--
06/14/99 <sup>1</sup>	38.41	23.09	15.32	--	--	--	--	--	--	--	1,360 <sup>2</sup>	--
09/30/99	38.41	22.30	16.11	--	--	79	1.12	<0.5	1.07	<0.5	677	--
12/22/99	38.41	23.37	15.04	--	--	501	157	4.45	<2.5	4.81	744	--
03/09/00	38.41	31.28	7.13	--	--	3,300	2,500	28	37	<25	1,700	--
06/23/00 <sup>3</sup>	38.41	25.86	12.55	0.00	0.00	2,200 <sup>4</sup>	1,000	6.9	5.7	9.3	1,900	--
09/05/00 <sup>3</sup>	38.41	21.28	17.13	0.00	0.00	<200	8.3	<2.0	<2.0	<2.0	1,000	--
12/04/00	38.41	21.48	16.93	0.00	0.00	1,400 <sup>4</sup>	600	<5.0	<5.0	<5.0	1,500	--
03/08/01 <sup>3</sup>	38.41	30.45	7.96	0.00	0.00	2,570	1,040	7.93	12.0	<5.00	1,470	--
06/07/01 <sup>3</sup>	38.41	25.45	12.96	0.00	0.00	750 <sup>4</sup>	220	5.6	4.8	2.6	2,500 <sup>5</sup>	--
09/13/01 <sup>3</sup>	38.41	19.91	18.50	0.00	0.00	670 <sup>6</sup>	<5.0	<5.0	<5.0	<5.0	660	--
12/13/01 <sup>3</sup>	38.41	23.02	15.39	0.00	0.00	1,100	340	2.1	0.95	7.9	630	--
03/08/02 <sup>3</sup>	38.41	28.35	10.06	0.00	0.00	3,600	1,400	9.5	17	6.5	1,900	--
06/19/02 <sup>3</sup>	38.41	24.92	13.49	0.00	0.00	1,300	220	3.4	2.7	<3.0	1,400	--
09/11/02 <sup>3</sup>	38.41	21.18	17.23	0.00	0.00	400	22	<0.50	<0.50	<1.5	780	--
12/11/02 <sup>3</sup>	38.41	19.81	18.60	0.00	0.00	180	4.2	<0.50	1.1	<1.5	350	--
03/11/03 <sup>3</sup>	38.41	25.81	12.60	0.00	0.00	3,500	1,100	9.1	12	8.0	1,600	--
06/10/03 <sup>3,7</sup>	38.41	25.73	12.68	0.00	0.00	1,600	350	2	3	3	1,300	--
09/09/03 <sup>3,7</sup>	38.41	21.66	16.75	0.00	0.00	290	4	<1	1	1	710	<100
12/09/03 <sup>7,9</sup>	38.41	20.73	17.68	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	200	<50
03/09/04 <sup>7</sup>	38.41	30.61	7.80	0.00	0.00	7,100	2,000	15	23	10	1,100	<50
06/08/04 <sup>7</sup>	38.41	27.29	11.12	0.00	0.00	2,300	840	6	5	4	1,100	<50
09/08/04 <sup>7</sup>	38.41	24.11	14.30	0.00	0.00	150	110	2	0.5	1	730	<50
12/06/04 <sup>7</sup>	38.41	25.15	13.26	0.00	0.00	2,100	480	4	2	2	530	<50
03/07/05 <sup>7</sup>	38.41	31.93	6.48	0.00	0.00	4,100	1,200	9	10	5	1,100	<100
06/06/05 <sup>7</sup>	38.41	29.56	8.85	0.00	0.00	3,400	990	8	9	5	1,100	<100
09/06/05 <sup>7</sup>	38.41	26.99	11.42	0.00	0.00	1,100	83	2	0.9	1	810	<50
12/05/05 <sup>7</sup>	38.41	27.43	10.98	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	78	<50
03/06/06 <sup>7</sup>	38.41	30.64	7.77	0.00	0.00	3,700	880	10	8	7	1,300	<50
06/05/06 <sup>7</sup>	38.41	29.51	8.90	0.00	0.00	380	7	<0.5	<0.5	<0.5	960	<50
09/05/06 <sup>7</sup>	38.41	27.32	11.09	0.00	0.00	260	<0.5	<0.5	<0.5	<0.5	390	<50

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<b>WELL ID/ DATE</b>	<b>TOC* (ft.)</b>	<b>GWE (msl)</b>	<b>DTW (ft.)</b>	<b>SPHT (ft.)</b>	<b>SPH REMOVED (gallons)</b>	<b>TPH- GRO (µg/L)</b>	<b>B (µg/L)</b>	<b>T (µg/L)</b>	<b>E (µg/L)</b>	<b>X (µg/L)</b>	<b>MTBE (µg/L)</b>	<b>ETHANOL (µg/L)</b>
<b>C-1 (cont)</b>												
12/04/06 <sup>7</sup>	38.41	27.49	10.92	0.00	0.00	270	20	<0.5	<0.5	<0.5	250	<50
03/05/07 <sup>7</sup>	38.41	28.63	9.78	0.00	0.00	2,000	370	5	2	2	820	<50
06/04/07 <sup>7</sup>	38.41	29.01	9.40	0.00	0.00	180	<0.5	<0.5	<0.5	<0.5	320	<50
09/07/07 <sup>7</sup>	38.41	27.86	10.55	0.00	0.00	120	<0.5	<0.5	<0.5	<0.5	72	<50
12/06/07 <sup>7</sup>	38.41	26.26	12.15	0.00	0.00	170	<0.5	<0.5	<0.5	<0.5	58	<50
03/06/08 <sup>7</sup>	38.41	30.13	8.28	0.00	0.00	3,400	790	8	4	4	610	<50
06/05/08 <sup>7</sup>	38.41	28.30	10.11	0.00	0.00	210	<0.5	<0.5	<0.5	<0.5	290	<50
09/03/08 <sup>7</sup>	38.41	25.51	12.90	0.00	0.00	130	<0.5	<0.5	<0.5	<0.5	110	<50
12/03/08 <sup>7</sup>	38.41	24.56	13.85	0.00	0.00	70	<0.5	<0.5	<0.5	<0.5	29	<50
<b>03/04/09<sup>7</sup></b>	<b>38.41</b>	<b>30.76</b>	<b>7.65</b>	<b>0.00</b>	<b>0.00</b>	<b>1,400</b>	<b>200</b>	<b>3</b>	<b>0.9</b>	<b>2</b>	<b>240</b>	<b>&lt;50</b>
<b>C-2</b>												
04/28/89	35.18	8.74	26.44	--	--	120,000	30,000	22,000	3,000	17,000	--	--
08/08/89	35.18	5.29	29.90	0.01	--	--	--	--	--	--	--	--
12/21/89	35.18	5.86	29.32	--	--	--	--	--	--	--	--	--
08/27/90	35.18	5.77	29.55	0.17	--	--	--	--	--	--	--	--
11/04/90	35.18	4.71	30.47	--	--	--	--	--	--	--	--	--
06/18/91	35.18	6.90	28.33	0.06	--	--	--	--	--	--	--	--
09/19/91	35.18	5.84	29.39	0.06	--	--	--	--	--	--	--	--
12/20/91	35.18	5.95	29.23	--	--	170,000	20,000	10,000	2,800	19,000	--	--
03/18/92	35.18	21.58	13.60	0.09	--	--	--	--	--	--	--	--
07/14/92	35.18	--	--	--	--	--	--	--	--	--	--	--
10/08/92	35.18	--	--	--	--	--	--	--	--	--	--	--
01/08/93	35.18	10.98	24.20	Sheen	--	79,000	14,000	7,200	3,500	16,000	--	--
04/14/93	35.18	--	--	--	--	--	--	--	--	--	--	--
07/16/93	35.18	5.03	30.15	--	--	2200	440	73	24	350	--	--
09/21/93	37.47	11.18	26.29	--	--	11,000	2,300	300	270	910	--	--
01/28/94	37.47	13.51	23.96	--	--	49,000	11,000	3,900	1,600	12,000	--	--
03/17/94	37.47	11.48	25.99	--	--	16,000	3,300	1,000	220	3,500	--	--
06/16/94	37.47	13.55	23.92	--	--	20,000	4,800	1500	520	4,300	--	--
09/22/94	37.47	11.85	25.62	--	--	35,000	5,600	850	1,700	7,300	--	--
12/15/94	37.47	16.31	21.16	--	--	96,000	9,000	3,500	3,300	13,000	--	--
03/30/95	37.47	20.29	17.18	--	--	100,000	9,400	3,700	3,900	14,000	--	--
06/20/95	37.47	18.52	18.95	--	--	93,000	6,400	1,900	2,900	11,000	--	--

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Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH- GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)
<b>C-2 (cont)</b>												
09/20/95	37.47	19.27	18.20	--	--	58,000	6,600	330	1,600	5,500	--	--
12/06/95	37.47	12.71	24.76	--	--	40,000	5,000	86	1,800	3,700	<500	--
03/21/96	37.47	21.30	16.17	0.00	0.13	--	--	--	--	--	--	--
06/21/96	37.47	19.34	18.15	0.02	0.03	--	--	--	--	--	--	--
09/06/96	37.47	16.36	21.14	0.04	0.08	--	--	--	--	--	--	--
12/19/96	37.47	19.94	17.55	0.03	0.05	--	--	--	--	--	--	--
03/17/97	37.47	18.88	18.59	--	--	58,000	4,800	1,200	1,800	6,300	3,400	--
06/11/97	37.47	16.17	21.30	--	--	40,000	5,500	720	1,400	4,100	3,100	--
09/17/97	37.47	14.33	23.14	--	--	30,000	4,800	220	1,200	1,800	3,200	--
12/11/97	37.47	20.26	17.21	--	--	76,000	6,100	1,300	2,200	8,000	3,800	--
03/12/98	37.47	23.30	14.17	--	--	45,000	6,000	1,400	1,800	5,900	2,700	--
06/23/98 <sup>3</sup>	37.47	22.65	14.82	--	--	1,100,000	6,800	5,100	13,000	38,000	<1,000	--
09/01/98	37.47	15.69	21.78	--	--	9,700	300	8.2	6.2	250	3,700	--
12/30/98	37.47	15.61	21.86	--	--	110,000	4,790	1,300	841	5,570	2,420	--
03/31/99	37.47	20.57	16.90	--	--	48,000	4,800	1,110	1,520	5,450	2,160	--
06/14/99	37.47	17.32	20.15	Sheen	--	56,400	5,380	671	1,300	3,960	2,480	--
06/14/99 <sup>1</sup>	37.47	17.32	20.15	--	--	--	--	--	--	--	2,630 <sup>2</sup>	--
09/30/99	37.47	14.50	22.97	--	--	22,100	623	<100	529	1,250	2,430	--
12/22/99	37.47	16.47	21.00	--	--	10,200	1,750	102	222	963	1,980	--
03/09/00	37.47	25.27	12.20	--	--	26,000	4,800	930	1,200	4,400	1,800	--
06/23/00 <sup>3</sup>	37.47	18.53	18.94	0.00	0.00	29,000 <sup>4</sup>	3,400	360	440	2,500	2,800	--
09/05/00 <sup>3</sup>	37.47	17.01	20.46	0.00	0.00	35,000 <sup>4</sup>	3,800	54	980	750	5,200	--
12/04/00	37.47	16.54	20.93	0.00	0.00	16,000 <sup>4</sup>	2,500	120	360	1,100	2,100	--
03/08/01 <sup>3</sup>	37.47	20.53	16.94	0.00	0.00	42,300	3,930	828	2,010	5,180	1,660	--
06/07/01 <sup>3</sup>	37.47	18.13	19.34	0.00	0.00	15,000 <sup>4</sup>	3,400	150	700	1,300	1,900	--
09/13/01 <sup>3</sup>	37.47	15.28	22.19	0.00	0.00	9,600	1,200	<50	120	160	2,200	--
12/13/01 <sup>3</sup>	37.47	19.87	17.60	0.00	0.00	33,000	3,200	430	1,300	3,700	1,400	--
03/08/02 <sup>3</sup>	37.47	23.18	14.29	0.00	0.00	26,000	2,900	390	1,200	2,800	1,100	--
06/19/02 <sup>3</sup>	37.47	18.36	19.11	0.00	0.00	19,000	3,000	100	720	1,100	1,400	--
09/11/02 <sup>3</sup>	37.47	16.79	20.68	0.00	0.00	10,000	1,400	23	120	78	1,800	--
12/11/02 <sup>3</sup>	37.47	15.36	22.11	0.00	0.00	8,700	1,300	24	100	250	1,900	--
03/11/03 <sup>3</sup>	37.47	22.86	14.61	0.00	0.00	23,000	2,000	280	1,100	2,100	990	--
06/10/03 <sup>3,7</sup>	37.47	20.36	17.11	0.00	0.00	14,000	1,300	91	450	720	480	--
09/09/03 <sup>3,7</sup>	37.47	16.33	21.14	0.00	0.00	6,800	1,100	9	83	47	1,300	<200
12/09/03 <sup>7</sup>	37.47	18.27	19.20	0.00	0.00	22,000	1,100	120	570	1,000	460	<250

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<b>WELL ID/ DATE</b>	<b>TOC* (ft.)</b>	<b>GWE (msl)</b>	<b>DTW (ft.)</b>	<b>SPHT (ft.)</b>	<b>SPH REMOVED (gallons)</b>	<b>TPH- GRO (µg/L)</b>	<b>B (µg/L)</b>	<b>T (µg/L)</b>	<b>E (µg/L)</b>	<b>X (µg/L)</b>	<b>MTBE (µg/L)</b>	<b>ETHANOL (µg/L)</b>
<b>C-2 (cont)</b>												
03/09/04 <sup>7</sup>	37.47	25.65	11.82	0.00	0.00	24,000	1,800	420	820	2,100	480	<250
06/08/04 <sup>7</sup>	37.47	21.05	16.42	0.00	0.00	1,200	180	5	1	10	170	<50
09/08/04 <sup>7</sup>	37.47	24.32**	13.16	0.01	0.00	16,000	340	13	290	200	170	<250
12/06/04 <sup>7</sup>	37.47	23.36**	14.12	0.01	0.00	13,000	730	130	340	570	280	<100
03/07/05 <sup>7</sup>	37.47	26.91**	10.57	0.01	0.00	18,000	2,200	470	770	2,000	420	<250
06/06/05 <sup>7</sup>	37.47	24.78	12.69	0.00	0.00	9,800	940	79	300	490	200	<100
09/06/05 <sup>7</sup>	37.47	22.69	14.78	0.00	0.00	9,300	380	8	89	76	170	<100
12/05/05 <sup>7</sup>	37.47	23.25	14.22	0.00	0.00	8,300	190	8	68	67	56	<50
03/06/06 <sup>7</sup>	37.47	27.73	9.74	0.00	0.00	1,900	41	5	13	43	6	<50
06/05/06 <sup>7</sup>	37.47	27.72	9.75	0.00	0.00	8,800	680	99	200	460	170	<50
09/05/06 <sup>7</sup>	37.47	25.51	11.96	0.00	0.00	8,200	1,200	24	170	65	65	<100
12/04/06 <sup>7</sup>	37.47	25.04	12.43	0.00	0.00	9,500	1,800	38	140	94	94	<100
03/05/07 <sup>7</sup>	37.47	26.86	10.61	0.00	0.00	15,000 <sup>11</sup>	1,900 <sup>11</sup>	300 <sup>11</sup>	570 <sup>11</sup>	1,300 <sup>11</sup>	250 <sup>11</sup>	<250 <sup>11</sup>
06/04/07 <sup>7</sup>	37.47	27.13	10.34	0.00	0.00	6,200	410	16	76	100	110	<50
09/07/07 <sup>7</sup>	37.47	25.82	11.65	0.00	0.00	6,400	240	6	71	82	67	<50
12/06/07 <sup>7</sup>	37.47	19.07	18.40	0.00	0.00	7,300	200	12	47	79	56	<50
03/06/08 <sup>7</sup>	37.47	28.00	9.47	0.00	0.00	18,000	2,400	340	850	1,600	260	<100
06/05/08 <sup>7</sup>	37.47	26.40	11.07	0.00	0.00	5,800	530	18	47	80	100	<250
09/03/08 <sup>7</sup>	37.47	24.27	13.20	0.00	0.00	5,600	340	10	81	48	83	<50
12/03/08 <sup>7</sup>	37.47	22.86	14.61	0.00	0.00	9,600	1,100	58	250	210	220	<130
<b>03/04/09<sup>7</sup></b>	<b>37.47</b>	<b>25.78</b>	<b>11.69</b>	<b>0.00</b>	<b>0.00</b>	<b>9,200</b>	<b>640</b>	<b>94</b>	<b>250</b>	<b>670</b>	<b>73</b>	<b>&lt;130</b>
<b>C-3</b>												
04/28/89	35.28	7.28	28.00	--	--	<500	1.7	<0.5	<0.5	<0.5	--	--
08/08/89	35.28	5.28	30.00	--	--	<500	1.0	<0.5	<0.5	<0.5	--	--
12/21/89	35.28	4.75	30.53	--	--	--	--	--	--	--	--	--
08/27/90	35.28	5.60	29.68	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--
11/04/90	35.30	4.94	30.36	--	--	--	--	--	--	--	--	--
06/18/91	35.30	6.84	28.46	--	--	52	1.1	<0.5	<0.5	1.2	--	--
09/19/91	35.30	5.97	29.33	--	--	73	1.2	<0.5	<0.5	<0.5	--	--
12/20/91	35.30	5.53	29.77	--	--	<50	0.7	<0.5	<0.5	<0.5	--	--
03/18/92	35.30	9.55	25.75	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/14/92	35.30	7.43	27.87	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/08/92	35.30	6.75	28.55	--	--	<50	<0.5	<0.5	<0.5	0.5	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0076  
4265 Foothill Boulevard  
Oakland, California

<b>WELL ID/ DATE</b>	<b>TOC* (ft.)</b>	<b>GWE (msl)</b>	<b>DTW (ft.)</b>	<b>SPHT (ft.)</b>	<b>SPH REMOVED (gallons)</b>	<b>TPH- GRO (µg/L)</b>	<b>B (µg/L)</b>	<b>T (µg/L)</b>	<b>E (µg/L)</b>	<b>X (µg/L)</b>	<b>MTBE (µg/L)</b>	<b>ETHANOL (µg/L)</b>
<b>C-3 (cont)</b>												
01/08/93	35.30	9.45	25.85	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/14/93	35.30	11.34	23.96	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/16/93	35.30	9.66	25.64	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/21/93	38.37	12.15	26.22	--	--	<50	0.7	<0.5	<0.5	<0.8	--	--
01/28/94	38.37	12.71	25.66	--	--	<50	2.0	<0.5	<0.5	1.0	--	--
03/17/94	38.37	13.42	24.95	--	--	<50	2.8	<0.5	0.6	1.5	--	--
06/16/94	38.37	14.06	24.31	--	--	<50	1.4	<0.5	<0.5	<0.5	--	--
09/22/94	38.37	13.33	25.04	--	--	<50	0.6	<0.5	<0.5	<0.5	--	--
12/15/94	38.37	16.15	22.22	--	--	<50	2.6	1.7	0.82	4.5	--	--
03/30/95	38.37	19.95	18.42	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/20/95	38.37	18.58	19.79	--	--	110	2.2	<0.5	<0.5	1.2	--	--
09/20/95	38.37	19.42	18.95	--	--	560	21	80	23	120	--	--
12/06/95	38.37	14.21	24.16	--	--	<50	0.73	<0.5	<0.5	0.67	<2.5	--
03/21/96	38.37	20.52	17.85	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/21/96	38.37	18.59	19.78	--	--	57	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/06/96	38.37	16.74	21.63	--	--	<50	0.9	<0.5	<0.5	<0.5	<2.5	--
12/19/96	38.37	16.07	22.30	--	--	310	36	33	6.5	28	<2.5	--
03/17/97	38.37	19.42	18.95	--	--	54	1.1	<0.5	<0.5	0.76	<2.5	--
06/11/97	38.37	17.22	21.15	--	--	120	1.1	<0.5	<0.5	<0.5	<2.5	--
09/17/97	38.37	15.96	22.41	--	--	240	19	19	6.6	40	13	--
12/11/97	38.37	16.11	22.26	--	--	<50	1.8	<0.5	<0.5	0.5	<2.5	--
03/12/98	38.37	20.02	18.35	--	--	72	6.3	<0.5	0.64	3.1	2.6	--
06/23/98	38.37	19.33	19.04	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/01/98	38.37	18.40	19.97	--	--	200	6.8	0.31	0.52	2.0	<2.5	--
12/30/98	38.37	17.06	21.31	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
03/31/99	38.37	20.60	17.77	--	--	<50	<0.5	<0.5	<0.5	<0.5	12.6	--
06/14/99	38.37	20.12	18.25	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/30/99	38.37	17.18	21.19	--	--	79.2	3.04	0.794	<0.5	1.04	6.17	--
12/22/99	38.37	16.05	22.32	--	--	<50	1.53	1.08	<0.5	0.66	12	--
03/09/00	38.37	21.27	17.10	--	--	99	6.9	0.8	0.89	3.8	12	--
06/23/00	38.37	19.22	19.15	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
09/05/00	38.37	17.53	20.84	0.00	0.00	52 <sup>4</sup>	4.3	<0.50	<0.50	0.93	29	--
12/04/00	38.37	17.17	21.20	0.00	0.00	70 <sup>4</sup>	4.0	<0.50	<0.50	0.71	25	--
03/08/01	38.37	20.70	17.67	0.00	0.00	<50.0	0.873	<0.500	<0.500	<0.500	3.24	--
06/07/01	38.37	19.47	18.90	0.00	0.00	140 <sup>4</sup>	16	0.67	1.4	3.8	30	--

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Chevron Service Station #9-0076  
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Oakland, California

<b>WELL ID/ DATE</b>	<b>TOC* (ft.)</b>	<b>GWE (msl)</b>	<b>DTW (ft.)</b>	<b>SPHT (ft.)</b>	<b>SPH REMOVED (gallons)</b>	<b>TPH- GRO (µg/L)</b>	<b>B (µg/L)</b>	<b>T (µg/L)</b>	<b>E (µg/L)</b>	<b>X (µg/L)</b>	<b>MTBE (µg/L)</b>	<b>ETHANOL (µg/L)</b>
<b>C-3 (cont)</b>												
09/13/01	38.37	17.36	21.01	0.00	0.00	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
12/13/01	38.37	18.57	19.80	0.00	0.00	<50	1.2	<0.50	<0.50	<1.5	15	--
03/08/02	38.37	20.59	17.78	0.00	0.00	82	5.4	<0.50	<0.50	<1.5	68	--
06/19/02	38.37	19.97	18.40	0.00	0.00	74	2.1	<0.50	<0.50	<1.5	77	--
09/11/02	38.37	18.20	20.17	0.00	0.00	110	4.7	<0.50	<0.50	<1.5	76	--
12/11/02	38.37	16.62	21.75	0.00	0.00	79	1.5	<0.50	<0.50	<1.5	96	--
03/11/03	38.37	19.30	19.07	0.00	0.00	<50	2.1	<0.50	<0.50	<1.5	18	--
06/10/03 <sup>7</sup>	38.37	19.29	19.08	0.00	0.00	86	2	<0.5	<0.5	<0.5	93	--
09/09/03 <sup>7</sup>	38.37	17.67	20.70	0.00	0.00	<50	2	<0.5	<0.5	<0.5	160	<50
12/09/03 <sup>7</sup>	38.37	17.32	21.05	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.9	<50
03/09/04 <sup>7</sup>	38.37	22.12	16.25	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/08/04 <sup>7</sup>	38.37	19.87	18.50	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
09/08/04 <sup>7</sup>	38.37	18.36	20.01	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	22	<50
12/06/04 <sup>7</sup>	38.37	19.07	19.30	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
03/07/05 <sup>7</sup>	38.37	20.35	18.02	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/06/05 <sup>7</sup>	38.37	19.29	19.08	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
09/06/05 <sup>7</sup>	38.37	20.22	18.15	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
12/05/05 <sup>7</sup>	38.37	20.52	17.85	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
03/06/06 <sup>7</sup>	38.37	20.44	17.93	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/05/06 <sup>7</sup>	38.37	23.02	15.35	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	65	<50
09/05/06 <sup>7</sup>	38.37	19.95	18.42	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
12/04/06 <sup>7</sup>	38.37	20.08	18.29	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
03/05/07 <sup>7</sup>	38.37	23.63	14.74	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/04/07 <sup>7</sup>	38.37	22.69	15.68	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
09/07/07 <sup>7</sup>	38.37	19.86	18.51	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
12/06/07 <sup>7</sup>	38.37	18.96	19.41	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
03/06/08 <sup>7</sup>	38.37	22.42	15.95	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	<50
06/05/08 <sup>7</sup>	38.37	20.89	17.48	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.6	<50
09/03/08 <sup>7</sup>	38.37	19.39	18.98	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
12/03/08 <sup>7</sup>	38.37	18.19	20.18	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
<b>03/04/09<sup>7</sup></b>	<b>38.37</b>	<b>21.85</b>	<b>16.52</b>	<b>0.00</b>	<b>0.00</b>	<b>&lt;50</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>1</b>	<b>&lt;50</b>

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<b>WELL ID/ DATE</b>	<b>TOC* (ft.)</b>	<b>GWE (msl)</b>	<b>DTW (ft.)</b>	<b>SPHT (ft.)</b>	<b>SPH REMOVED (gallons)</b>	<b>TPH- GRO (µg/L)</b>	<b>B (µg/L)</b>	<b>T (µg/L)</b>	<b>E (µg/L)</b>	<b>X (µg/L)</b>	<b>MTBE (µg/L)</b>	<b>ETHANOL (µg/L)</b>
<b>C-4</b>												
01/12/89	33.45	3.96	29.49	--	--	--	--	--	--	--	--	--
04/12/89	33.45	6.01	27.44	--	--	--	--	--	--	--	--	--
04/28/89	33.45	3.96	29.49	--	--	20,000	6,300	550	230	1,500	--	--
08/08/89	33.45	3.90	29.55	--	--	8,000	7,500	340	88	1,000	--	--
12/21/89	33.45	3.43	30.02	--	--	--	--	--	--	--	--	--
08/27/90	33.48	4.46	29.02	--	--	26,000	10,000	280	410	1,400	--	--
11/04/90	33.48	3.67	29.81	--	--	--	--	--	--	--	--	--
06/18/91	33.48	6.03	27.45	--	--	34,000	14,000	410	450	1,300	--	--
09/19/91	33.48	4.83	28.65	--	--	16,000	7,400	90	110	460	--	--
12/20/91	33.48	4.64	28.84	--	--	24,000	12,000	120	260	740	--	--
03/18/92	33.48	11.05	24.43	--	--	48,000	6,000	1,300	1,300	2,400	--	--
07/14/92	33.48	6.59	26.89	--	--	40,000	14,000	920	550	2,400	--	--
10/08/92	33.48	5.69	27.79	--	--	29,000	13,000	190	110	1,400	--	--
01/08/93	33.48	9.98	23.50	--	--	25,000	7,000	630	860	1,800	--	--
04/14/93	33.48	12.35	21.13	--	--	27,000	6,300	1,000	900	1,400	--	--
07/16/93	33.48	9.52	23.96	--	--	28,000	7,800	1,100	830	2,100	--	--
09/21/93	36.49	10.98	25.51	--	--	30,000	9,600	130	390	1,300	--	--
01/28/94	36.49	13.18	23.31	--	--	18,000	7,800	440	260	1,200	--	--
03/17/94	36.49	15.14	21.35	--	--	32,000	7,800	820	820	1,800	--	--
06/16/94	36.49	13.99	22.50	--	--	25,000	7,600	710	600	1,800	--	--
09/22/94	36.49	12.56	23.93	--	--	25,000	7,800	140	600	1,100	--	--
12/15/94	36.49	17.47	19.02	--	--	38,000	7,600	460	1,200	2,000	--	--
03/30/95	36.49	21.63	14.86	--	--	41,000	8,700	1,600	1,800	3,000	--	--
06/20/95	36.49	19.59	16.90	--	--	29,000	6,000	890	960	1,800	--	--
09/20/95	36.49	20.29	16.20	--	--	12,000	6,900	510	290	1,300	--	--
12/06/95	36.49	13.37	23.12	--	--	13,000	3,900	42	30	250	<250	--
03/21/96	36.49	22.39	14.10	--	--	39,000	4,800	640	1,000	1,800	<1,000	--
06/21/96	36.49	19.54	16.95	--	--	26,000	4,400	640	960	1,800	2,000	--
09/06/96	36.49	16.36	20.13	--	--	23,000	500	200	230	1,000	3,100	--
12/19/96	36.49	19.57	16.92	--	--	23,000	4,900	320	1,100	2,000	<250	--
03/17/97	36.49	19.09	17.40	--	--	30,000	5,800	700	1,400	2,200	1,700	--
06/11/97	36.49	18.15	18.34	--	--	29,000	4,400	520	790	1,800	2,000	--
09/17/97	36.49	15.03	21.46	--	--	17,000	4,300	140	940	1,100	4,600	--
12/11/97	36.49	19.84	16.65	--	--	12,000	2,500	130	300	1,000	1,400	--
03/12/98	36.49	19.90	16.59	--	--	46,000	11,000	1,500	2,300	5,000	3,400	--



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Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH- GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)
<b>C-4 (cont)</b>												
06/23/98 <sup>3</sup>	36.49	19.47	17.02	--	--	27,000	1,600	160	180	690	100	--
09/01/98	36.49	15.04	21.45	--	--	520	14	2.3	<0.5	4.8	61	--
12/30/98	36.49	15.07	21.42	--	--	122	14.1	1.86	<1.0	3.61	349	--
03/31/99	36.49	21.29	15.20	--	--	20,300	4,450	443	1,000	2,130	1,320	--
06/14/99	36.49	14.69	21.80	--	--	1,820	183	7.14	36.7	56.5	291	--
06/14/99 <sup>1</sup>	36.49	14.69	21.80	--	--	--	--	--	--	--	280 <sup>2</sup>	--
09/30/99	36.49	16.68	19.81	--	--	1,030	11.6	2.14	29.2	68.7	91.5	--
12/22/99	36.49	16.22	20.27	--	--	217	4.45	0.765	2.82	8.21	70.2	--
03/09/00	36.49	23.13	13.36	--	--	8,300	2,600	270	510	1,400	650	--
06/23/00 <sup>3</sup>	36.49	17.09	19.40	0.00	0.00	55 <sup>4</sup>	1.2	<0.50	<0.50	<0.50	250	--
09/05/00 <sup>3</sup>	36.49	15.06	21.43	0.00	0.00	110 <sup>4</sup>	5.4	<0.50	<0.50	1.1	52	--
12/04/00	36.49	14.71	21.78	0.00	0.00	<50	<0.50	0.56	<0.50	1.1	22	--
03/08/01 <sup>3</sup>	36.49	19.87	16.62	0.00	0.00	9,080	2,260	229	395	1,060	718	--
06/07/01 <sup>3</sup>	36.49	16.89	19.60	0.00	0.00	800 <sup>4</sup>	75	4.3	22	33	340	--
09/13/01 <sup>3</sup>	36.49	14.78	21.71	0.00	0.00	<50	0.68	<0.50	<0.50	<0.50	18	--
12/13/01 <sup>3</sup>	36.49	18.54	17.95	0.00	0.00	5,800	1,400	43	21	470	540	--
03/08/02 <sup>3</sup>	36.49	19.71	16.78	0.00	0.00	7,000	1,300	67	280	390	610	--
06/19/02 <sup>3</sup>	36.49	17.69	18.80	0.00	0.00	3,100	130	6.5	29	55	250	--
09/11/02 <sup>3</sup>	36.49	16.19	20.30	0.00	0.00	820	6.2	1.0	2.2	2.5	26	--
12/11/02 <sup>3</sup>	36.49	14.52	21.97	0.00	0.00	<50	0.74	<0.50	<0.50	<1.5	9.3	--
03/11/03 <sup>3</sup>	36.49	18.10	18.39	0.00	0.00	5,500	490	12	100	210	330	--
06/10/03 <sup>3,7</sup>	36.49	17.74	18.75	0.00	0.00	3,300	370	15	120	200	200	--
09/09/03 <sup>3,7</sup>	36.49	15.70	20.79	0.00	0.00	690	8	0.8	5	5	30	<50
12/09/03 <sup>7,9</sup>	36.49	16.19	20.30	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	57	<50
03/09/04 <sup>7</sup>	36.49	23.03	13.46	0.00	0.00	15,000	1,600	73	520	460	230	<250
06/08/04 <sup>7</sup>	36.49	19.47	17.02	0.00	0.00	550	120	2	0.7	5	93	<50
09/08/04 <sup>7</sup>	36.49	18.91	17.58	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	37	<50
12/06/04 <sup>7</sup>	36.49	19.71	16.78	0.00	0.00	7,000	1,600	39	230	260	180	<50
03/07/05 <sup>7</sup>	36.49	24.33	12.16	0.00	0.00	9,500	2,100	67	330	160	170	<250
06/06/05 <sup>7</sup>	36.49	22.86	13.63	0.00	0.00	7,700	2,000	39	280	130	130	<250
09/06/05 <sup>7</sup>	36.49	20.79	15.70	0.00	0.00	3,600	830	10	79	21	110	<50
12/05/05 <sup>7</sup>	36.49	20.04	16.45	0.00	0.00	4,400	1,000	11	80	23	120	<250
03/06/06 <sup>7</sup>	36.49	23.54	12.95	0.00	0.00	10,000	2,400	92	240	170	130	<500
06/05/06 <sup>7</sup>	36.49	25.47	11.02	0.00	0.00	16,000	3,300	160	350	370	150	<500
09/05/06 <sup>7</sup>	36.49	23.89	12.60	0.00	0.00	9,600	1,400	29	200	78	81	<100

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Chevron Service Station #9-0076  
4265 Foothill Boulevard  
Oakland, California

<b>WELL ID/ DATE</b>	<b>TOC* (ft.)</b>	<b>GWE (msl)</b>	<b>DTW (ft.)</b>	<b>SPHT (ft.)</b>	<b>SPH REMOVED (gallons)</b>	<b>TPH- GRO (µg/L)</b>	<b>B (µg/L)</b>	<b>T (µg/L)</b>	<b>E (µg/L)</b>	<b>X (µg/L)</b>	<b>MTBE (µg/L)</b>	<b>ETHANOL (µg/L)</b>
<b>C-4 (cont)</b>												
12/04/06 <sup>7</sup>	36.49	23.29	13.20	0.00	0.00	13,000	1,800	40	150	99	100	<250
03/05/07 <sup>7</sup>	36.49	25.84	10.65	0.00	0.00	11,000	2,800	58	230	270	100	<500
06/04/07 <sup>7</sup>	36.49	24.95	11.54	0.00	0.00	13,000	3,500	87	300	230	94	<250
09/07/07 <sup>7</sup>	36.49	23.99	12.50	0.00	0.00	5,100	1,000	24	70	43	39	<130
12/06/07 <sup>7</sup>	36.49	24.07	12.42	0.00	0.00	9,900	2,000	65	210	210	74	<130
03/06/08 <sup>7</sup>	36.49	26.35	10.14	0.00	0.00	17,000	3,500	210	510	510	77	<250
06/05/08 <sup>7</sup>	36.49	24.91	11.58	0.00	0.00	12,000	3,500	120	300	240	76	<250
09/03/08 <sup>7</sup>	36.49	24.02	12.47	0.00	0.00	13,000	3,400	72	210	130	73	<250
12/03/08 <sup>7</sup>	36.49	22.41	14.08	0.00	0.00	12,000	2,600	55	200	160	60	<250
<b>03/04/09<sup>7</sup></b>	<b>36.49</b>	<b>24.01</b>	<b>12.48</b>	<b>0.00</b>	<b>0.00</b>	<b>14,000</b>	<b>2,500</b>	<b>78</b>	<b>350</b>	<b>340</b>	<b>58</b>	<b>&lt;250</b>
<b>C-5</b>												
08/27/90	35.50	5.67	29.83	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--
11/14/90	35.50	4.94	30.56	--	--	--	--	--	--	--	--	--
06/18/91	35.50	6.98	28.52	--	--	<50	<0.5	<0.5	<0.5	--	--	--
09/19/91	35.50	5.99	29.51	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/20/91	35.50	5.54	29.96	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/18/92	35.50	9.58	25.92	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/14/92	35.50	7.50	28.00	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/08/92	35.50	6.85	28.65	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/08/93	35.50	9.48	26.02	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/14/93	35.50	11.46	24.04	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/16/93	35.50	10.29	25.21	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/21/93	38.50	12.14	26.36	--	--	60	10	8.1	1.9	9.4	--	--
01/28/94	38.50	12.60	25.90	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/17/94	38.50	14.00	24.50	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/16/94	38.50	14.10	24.40	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/22/94	38.50	13.34	25.16	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/15/94	38.50	15.61	22.89	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/30/95	38.50	19.96	18.54	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/20/95	38.50	18.37	20.13	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/20/95	38.50	14.16	24.34	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/06/95	38.50	14.40	24.10	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/21/96	38.50	20.10	18.40	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--

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Chevron Service Station #9-0076  
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WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH- GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)
<b>C-5 (cont)</b>												
06/21/96	38.50	18.23	20.27	--	--	<50	<0.5	<0.5	<0.5	<0.5	8.7	--
06/06/96	38.50	16.60	21.90	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/19/96	38.50	17.35	21.15	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/17/97	38.50	18.66	19.84	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/11/97	38.50	16.90	21.60	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/17/97	38.50	10.67	27.83	--	--	SAMPLED ANNUALLY		--	--	--	--	--
12/11/97	38.50	17.50	21.00	--	--	--	--	--	--	--	--	--
03/12/98	38.50	22.08	16.42	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/23/98	38.50	21.52	16.98	--	--	--	--	--	--	--	--	--
09/01/98	38.50	18.08	20.42	--	--	--	--	--	--	--	--	--
12/30/98	38.50	17.71	20.79	--	--	--	--	--	--	--	--	--
03/31/99	38.50	21.45	17.05	--	--	<50	<0.5	<0.5	<0.5	<0.5	15	--
06/14/99	38.50	21.02	17.48	--	--	--	--	--	--	--	--	--
09/30/99	38.50	19.77	18.73	--	--	--	--	--	--	--	--	--
12/22/99	38.50	16.32	22.18	--	--	--	--	--	--	--	--	--
03/09/00	38.50	21.52	16.98	--	--	<50	<0.5	<0.5	<0.5	0.87	3.5	--
06/23/00	38.50	18.85	19.65	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
09/05/00	38.50	18.03	20.47	0.00	0.00	--	--	--	--	--	--	--
12/04/00	38.50	17.04	21.46	0.00	0.00	--	--	--	--	--	--	--
03/08/01	38.50	20.97	17.53	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	5.15	--
06/07/01	38.50	19.00	19.50	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
09/13/01	38.50	17.07	21.43	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
12/13/01	38.50	18.66	19.84	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
03/08/02	38.50	20.32	18.18	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	3.5	--
06/19/02	38.50	19.62	18.88	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
09/11/02	38.50	17.94	20.56	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
12/11/02	38.50	16.68	21.82	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
03/11/03	38.50	19.54	18.96	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	3.2	--
06/10/03	38.50	19.63	18.87	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
09/09/03	38.50	17.82	20.68	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
12/09/03	38.50	18.25	20.25	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
03/09/04 <sup>7</sup>	38.50	21.82	16.68	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	<50
06/08/04	38.50	19.16	19.34	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
09/08/04	38.50	18.40	20.10	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
12/06/04	38.50	18.75	19.75	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--

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WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH- GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)
<b>C-5 (cont)</b>												
03/07/05 <sup>7</sup>	38.50	20.35	18.15	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/06/05	38.50	19.14	19.36	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
09/06/05	38.50	20.24	18.26	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
12/05/05	38.50	20.59	17.91	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
03/06/06 <sup>7</sup>	38.50	20.30	18.20	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/05/06	38.50	22.63	15.87	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
09/05/06	38.50	19.72	18.78	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
12/04/06	38.50	19.79	18.71	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
03/05/07 <sup>7</sup>	38.50	22.23	16.27	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	1	<50
06/04/07	38.50	22.23	16.27	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
09/07/07	38.50	19.59	18.91	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
12/06/07	38.50	19.15	19.35	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
03/06/08 <sup>7</sup>	38.50	22.66	15.84	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.7	<50
06/05/08	38.50	21.09	17.41	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
09/03/08	38.50	19.19	19.31	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
12/03/08	38.50	18.09	20.41	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
<b>03/04/09<sup>7</sup></b>	<b>38.50</b>	<b>22.09</b>	<b>16.41</b>	<b>0.00</b>	<b>0.00</b>	<b>&lt;50</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>2</b>	<b>&lt;50</b>
<b>C-6</b>												
08/27/90	32.40	-11.71	44.11	--	--	7,200	2,100	6.0	41	300	--	--
11/14/90	32.40	-11.63	44.03	--	--	--	--	--	--	--	--	--
06/18/91	32.40	-11.09	43.49	--	--	4,400	2,500	18	160	77	--	--
09/19/91	32.40	-1.92	34.32	--	--	3,100	1,600	8.3	73	8.0	--	--
12/20/91	32.40	-8.95	41.35	--	--	4,400	1,300	3.2	74	10	--	--
03/18/92	32.40	-8.29	40.69	--	--	9,800	3,200	34	250	500	--	--
07/14/92	32.40	-6.49	38.89	--	--	6,500	2,200	100	96	240	--	--
10/08/92	32.40	-6.27	38.67	--	--	1,800	1,000	3.1	15	41	--	--
01/08/93	32.40	-5.41	37.81	--	--	5,200	1,600	6.8	63	120	--	--
04/14/93	32.40	-2.30	34.70	--	--	11,000	1,800	13	110	200	--	--
07/16/93	32.40	-1.47	33.87	--	--	4,800	820	10	41	57	--	--
09/21/93	35.40	1.42	33.98	--	--	4,100	1,200	<50	75	130	--	--
01/28/94	35.40	1.54	33.86	--	--	3,100	930	14	40	34	--	--
03/17/94	35.40	3.09	32.31	--	--	5,100	950	18	61	83	--	--
06/16/94	35.40	3.90	31.50	--	--	3,800	970	6.4	52	62	--	--

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<b>WELL ID/ DATE</b>	<b>TOC* (ft.)</b>	<b>GWE (msl)</b>	<b>DTW (ft.)</b>	<b>SPHT (ft.)</b>	<b>SPH REMOVED (gallons)</b>	<b>TPH- GRO (µg/L)</b>	<b>B (µg/L)</b>	<b>T (µg/L)</b>	<b>E (µg/L)</b>	<b>X (µg/L)</b>	<b>MTBE (µg/L)</b>	<b>ETHANOL (µg/L)</b>
<b>C-6 (cont)</b>												
09/22/94	35.40	4.18	31.22	--	--	4,100	980	7.8	43	48	--	--
12/15/94	35.40	4.00	31.40	--	--	5,000	1,400	<20	73	61	--	--
03/30/95	35.40	9.02	26.38	--	--	5,500	1,700	<13	120	97	--	--
06/20/95	35.40	10.39	25.01	--	--	1,700	470	<10	29	16	--	--
09/20/95	35.40	11.35	24.05	--	--	3,500	770	<5.0	45	17	--	--
12/06/95	35.40	7.28	28.12	--	--	3,100	710	<10	41	20	<50	--
03/21/96	35.40	12.28	23.12	--	--	1,400	330	<2.5	15	8.1	19	--
06/21/96	35.40	11.90	23.50	--	--	2,200	560	<5.0	18	<5.0	77	--
09/06/96	35.40	10.57	24.83	--	--	2,800	720	<10	13	<10	160	--
12/19/96	35.40	10.90	24.50	--	--	830	320	<2.5	<2.5	<2.5	14	--
03/17/97	35.40	12.81	22.59	--	--	2,200	500	<10	25	<10	<50	--
06/11/97	35.40	11.64	23.76	--	--	3,000	570	<5.0	29	10	220	--
09/17/97	35.40	10.66	24.74	--	--	1,400	330	<5.0	<5.0	<5.0	76	--
12/11/97	35.40	10.75	24.65	--	--	1,600	230	<5.0	7.3	6.4	46	--
03/12/98	35.40	8.28	27.12	--	--	980	300	<5.0	15	12	49	--
06/23/98 <sup>3</sup>	35.40	7.48	27.92	--	--	220	35	<0.5	2.5	1.1	<2.5	--
09/01/98	35.40	3.80	31.60	--	--	1,800	370	2.8	19	5	44	--
12/30/98	35.40	3.58	31.82	--	--	1,600	244	<1.0	8.53	<1.0	54.9	--
03/31/99	35.40	9.34	26.06	--	--	741	92.2	<1.0	6.60	<1.0	27.9	--
06/14/99	35.40	5.72	29.68	--	--	434	110	<1.0	5.76	1.46	13	--
06/14/99 <sup>1</sup>	35.40	5.72	29.68	--	--	--	--	--	--	--	6.96 <sup>2</sup>	--
09/30/99	35.40	12.34	23.06	--	--	481	92.7	<1.0	3.69	<1.0	32.9	--
12/22/99	35.40	12.85	22.55	--	--	1,310	158	2.16	5.5	1.41	113	--
03/09/00	35.40	15.37	20.03	--	--	470	120	0.74	5.0	2.5	36	--
06/23/00 <sup>3</sup>	35.40	13.25	22.15	0.00	0.00	1,700 <sup>4</sup>	210	<5.0	<5.0	5.8	64	--
09/05/00 <sup>3</sup>	35.40	8.35	27.05	0.00	0.00	740 <sup>4</sup>	99	0.60	5.1	2.2	80	--
12/04/00	35.40	10.25	25.15	0.00	0.00	450 <sup>4</sup>	31	0.71	<0.50	<0.50	54	--
03/08/01 <sup>3</sup>	35.40	11.56	23.84	0.00	0.00	1,550	228	3.93	19.9	32.5	46.2	--
06/07/01 <sup>3</sup>	35.40	9.67	25.73	0.00	0.00	360 <sup>4</sup>	21	1.8	2.4	3.8	100	--
09/13/01 <sup>3</sup>	35.40	11.60	23.80	0.00	0.00	950	180	<5.0	5.9	<5.0	170	--
12/13/01 <sup>3</sup>	35.40	10.21	25.19	0.00	0.00	2,000	170	0.86	6.4	4.1	77	--
03/08/02 <sup>3</sup>	35.40	14.32	21.08	0.00	0.00	600	33	0.91	1.8	<1.5	90	--
06/19/02 <sup>3</sup>	35.40	10.78	24.62	0.00	0.00	370	11	<0.50	<0.50	<1.5	88	--
09/11/02 <sup>3</sup>	35.40	6.40	29.00	0.00	0.00	490	16	0.50	<0.50	<1.5	120	--
12/11/02 <sup>3</sup>	35.40	11.22	24.18	0.00	0.00	430	17	<0.50	<0.50	<1.5	100	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0076  
4265 Foothill Boulevard  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH- GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)
<b>C-6 (cont)</b>												
03/11/03 <sup>3</sup>	35.40	7.70	27.70	0.00	0.00	410	8.8	0.88	<0.50	<1.5	120	--
06/10/03 <sup>3,7</sup>	35.40	13.80	21.60	0.00	0.00	460	10	<0.5	<0.5	<0.5	100	--
09/09/03	35.40	INACCESSIBLE - VEHICLE PARKED OVER WELL										
12/09/03 <sup>7,9</sup>	35.40	9.51	25.89	0.00	0.00	1,700	69	<0.5	3	0.6	83	<50
03/09/04 <sup>7</sup>	35.40	15.89	19.51	0.00	0.00	6,800	280	1	10	4	96	<50
06/08/04 <sup>7</sup>	35.40	14.57	20.83	0.00	0.00	560	13	<0.5	<0.5	0.5	68	<50
09/08/04 <sup>7</sup>	35.40	13.52	21.88	0.00	0.00	290	16	<0.5	<0.5	<0.5	50	<50
12/06/04 <sup>7</sup>	35.40	14.06	21.34	0.00	0.00	290	18	<0.5	0.5	<0.5	44	<50
03/07/05 <sup>7</sup>	35.40	17.13	18.27	0.00	0.00	2,500	150	0.7	5	2	71	<50
06/06/05 <sup>7</sup>	35.40	16.88	18.52	0.00	0.00	1,900	110	<1	3	2	59	<100
09/06/05 <sup>7</sup>	35.40	15.02	20.38	0.00	0.00	800	16	<0.5	0.5	0.6	51	<50
12/05/05 <sup>7</sup>	35.40	15.34	20.06	0.00	0.00	540	15	<0.5	<0.5	0.6	45	<50
03/06/06 <sup>7</sup>	35.40	16.64	18.76	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/05/06 <sup>7</sup>	35.40	17.60	17.80	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	0.7	<50
09/05/06 <sup>7</sup>	35.40	15.40	20.00	0.00	0.00	1,200	17	<0.5	0.7	0.8	29	<50
12/04/06 <sup>7</sup>	35.40	14.49	20.91	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
03/05/07 <sup>7</sup>	35.40	16.45	18.95	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/04/07 <sup>7</sup>	35.40	17.04	18.36	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	3	<50
09/07/07 <sup>7</sup>	35.40	14.35	21.05	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
12/06/07 <sup>7</sup>	35.40	13.53	21.87	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
03/06/08 <sup>7</sup>	35.40	13.72	21.68	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/05/08 <sup>7</sup>	35.40	14.15	21.25	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	<50
09/03/08 <sup>7</sup>	35.40	14.00	21.40	0.00	0.00	56	0.8	<0.5	<0.5	<0.5	5	<50
12/03/08 <sup>7</sup>	35.40	13.22	22.18	0.00	0.00	120	2	<0.5	<0.5	<0.5	5	<50
<b>03/04/09<sup>7</sup></b>	<b>35.40</b>	<b>13.58</b>	<b>21.82</b>	<b>0.00</b>	<b>0.00</b>	<b>&lt;50</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>12</b>	<b>&lt;50</b>
<b>C-7</b>												
08/27/90	32.17	-12.06	44.23	--	--	110	26	0.8	4.0	6.0	--	--
11/14/90	32.17	-11.94	44.11	--	--	--	--	--	--	--	--	--
06/18/91	32.17	-9.88	42.05	--	--	23,000	5,700	420	1,000	2,800	--	--
09/19/91	32.17	-9.55	41.72	--	--	26,000	4,600	330	970	2,400	--	--
12/20/91	32.17	-9.50	41.67	--	--	33,000	5,500	270	1,000	2,100	--	--
03/18/92	32.17	-9.03	41.20	--	--	27,000	5,800	410	1,300	3,300	--	--
07/14/92	32.17	-7.60	39.77	--	--	46,000	12,000	720	1,700	4,600	--	--

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Chevron Service Station #9-0076  
4265 Foothill Boulevard  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH- GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)
<b>C-7 (cont)</b>												
10/08/92	32.17	-6.97	39.14	--	--	22,000	6,800	370	1,300	3,200	--	--
01/08/93	32.17	-6.33	38.50	--	--	36,000	7,600	540	1,700	4,200	--	--
04/14/93	32.17	-3.76	35.93	--	--	23,000	3,100	450	670	1,900	--	--
07/16/93	32.17	-3.21	35.38	--	--	19,000	3,200	330	550	1,800	--	--
09/21/93	35.19	-0.27	35.46	--	--	17,000	2,700	160	410	760	--	--
01/28/94	35.19	-0.26	35.45	--	--	14,000	1,800	210	390	1,000	--	--
03/17/94	35.19	1.95	33.24	--	--	17,000	1,600	210	410	1,200	--	--
06/16/94	35.19	2.12	33.07	--	--	12,000	1,600	180	410	1,200	--	--
09/22/94	35.19	2.45	32.74	--	--	10,000	1,700	110	320	580	--	--
12/15/94	35.19	3.27	31.92	--	--	10,000	1,200	120	280	710	--	--
03/30/95	35.19	7.59	27.60	--	--	4,600	460	73	160	460	--	--
06/20/95	35.19	7.32	27.87	--	--	26,000	4,400	450	900	2,400	--	--
09/20/95	35.19	7.11	28.08	--	--	9,400	610	81	250	800	--	--
12/06/95	35.19	4.57	30.62	--	--	1,200	110	12	25	71	34	--
03/21/96	35.19	7.34	27.85	--	--	17,000	1,300	160	410	1,300	<100	--
09/06/96	35.19	6.84	28.35	--	--	15,000	3,400	<50	460	850	<250	--
12/19/96	35.19	6.08	29.11	--	--	530	9	0.5	0.85	3.4	<2.5	--
03/17/97	35.19	8.05	27.14	--	--	4,600	310	46	110	310	98	--
06/11/97	35.19	7.14	28.05	--	--	420	15	<0.5	3.3	5.1	<2.5	--
09/17/97	35.19	6.19	29.00	--	--	1,400	120	11	31	84	54	--
12/11/97	35.19	5.93	29.26	--	--	210	10	<0.5	0.97	1.6	<2.5	--
03/12/98	35.19	10.27	24.92	--	--	68	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/23/98	35.19	9.89	25.30	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/01/98	35.19	8.92	26.27	--	--	570	24	1.4	8.4	22	24	--
12/30/98	35.19	8.67	26.52	--	--	<50	4.85	1.26	<0.5	1.29	167	--
03/31/99	35.19	10.43	24.76	--	--	53.1	<0.5	<0.5	<0.5	<0.5	<2.0	--
06/14/99	35.19	9.75	25.44	--	--	109	4.43	<0.5	<0.5	<0.5	<2.5	--
06/14/99 <sup>1</sup>	35.19	9.75	25.44	--	--	--	--	--	--	--	<2.0 <sup>2</sup>	--
09/30/99	35.19	8.32	26.87	--	--	2,400	282	26.3	120	236	126	--
12/22/99	35.19	7.42	27.77	--	--	3,840	162	18.1	44.7	85.3	141	--
03/09/00	35.19	9.62	25.57	--	--	13,000	2,700	110	700	1,500	<130	--
06/23/00	35.19	9.53	25.66	0.00	0.00	190 <sup>4</sup>	3.4	<0.50	<0.50	1.6	7.3	--
09/05/00	35.19	8.44	26.75	0.00	0.00	4,200 <sup>4</sup>	330	26	120	200	190	--
12/04/00	35.19	8.03	27.16	0.00	0.00	2,600 <sup>4</sup>	550	<5.0	73	62	<25	--
03/08/01	35.19	9.76	25.43	0.00	0.00	1,180	39.2	2.41	15.5	30.8	10.3	--

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Oakland, California

<b>WELL ID/ DATE</b>	<b>TOC* (ft.)</b>	<b>GWE (msl)</b>	<b>DTW (ft.)</b>	<b>SPHT (ft.)</b>	<b>SPH REMOVED (gallons)</b>	<b>TPH- GRO (µg/L)</b>	<b>B (µg/L)</b>	<b>T (µg/L)</b>	<b>E (µg/L)</b>	<b>X (µg/L)</b>	<b>MTBE (µg/L)</b>	<b>ETHANOL (µg/L)</b>
<b>C-7 (cont)</b>												
06/07/01	35.19	9.80	25.39	0.00	0.00	2,600 <sup>4</sup>	440	14	110	130	56	--
09/13/01	35.19	8.58	26.61	0.00	0.00	23,000 <sup>6</sup>	670	<100	150	210	<500	--
12/13/01	35.19	8.50	26.69	0.00	0.00	2,400	160	5.8	42	54	<10	--
03/08/02	35.19	10.39	24.80	0.00	0.00	3,900	380	21	110	160	<20	--
06/19/02	35.19	7.78	27.41	0.00	0.00	3,600	440	8.5	87	73	<10	--
09/11/02	35.19	9.41	25.78	0.00	0.00	11,000	1,800	18	360	380	<10	--
12/11/02	35.19	4.44	30.75	0.00	0.00	6,000	1,100	9.3	190	190	<10	--
03/11/03	35.19	8.29	26.90	0.00	0.00	4,900	940	13	150	160	<25	--
06/10/03 <sup>7</sup>	35.19	4.28	30.91	0.00	0.00	3,100	500	7	83	77	4	--
09/09/03 <sup>7</sup>	35.19	3.38	31.81	0.00	0.00	3,900	310	9	110	130	5	<50
12/09/03 <sup>7</sup>	35.19	6.74	28.45	0.00	0.00	170	0.8	<0.5	<0.5	<0.5	5	<50
03/09/04 <sup>7</sup>	35.19	10.73	24.46	0.00	0.00	80	<0.5	<0.5	<0.5	<0.5	4	<50
06/08/04 <sup>7</sup>	35.19	8.23	26.96	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	6	<50
09/08/04 <sup>7</sup>	35.19	9.99	25.20	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	7	<50
12/06/04 <sup>7</sup>	35.19	10.28	24.91	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	7	<50
03/07/05 <sup>7</sup>	35.19	11.76	23.43	0.00	0.00	590	9	0.7	4	6	7	<50
06/06/05 <sup>7</sup>	35.19	13.31	21.88	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	6	<50
09/06/05 <sup>7</sup>	35.19	11.60	23.59	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	9	<50
12/05/05 <sup>7</sup>	35.19	11.44	23.75	0.00	0.00	<50	0.6	<0.5	<0.5	<0.5	9	<50
03/06/06 <sup>7</sup>	35.19	13.80	21.39	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	7	<50
06/05/06 <sup>7</sup>	35.19	14.78	20.41	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4	<50
09/05/06 <sup>7</sup>	35.19	12.38	22.81	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	<50
12/04/06 <sup>7</sup>	35.19	11.84	23.35	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	3	<50
03/05/07 <sup>7</sup>	35.19	12.47	22.72	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	<50
06/04/07 <sup>7</sup>	35.19	14.24	20.95	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4	<50
09/07/07 <sup>7</sup>	35.19	11.71	23.48	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	5	<50
12/06/07 <sup>7</sup>	35.19	10.87	24.32	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	5	<50
03/06/08 <sup>7</sup>	35.19	11.90	23.29	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	6	<50
06/05/08 <sup>7</sup>	35.19	11.92	23.27	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	6	<50
09/03/08 <sup>7</sup>	35.19	10.58	24.61	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4	<50
12/03/08 <sup>7</sup>	35.19	9.97	25.22	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	4	<50
<b>03/04/09<sup>7</sup></b>	<b>35.19</b>	<b>11.64</b>	<b>23.55</b>	<b>0.00</b>	<b>0.00</b>	<b>&lt;50</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>3</b>	<b>&lt;50</b>



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Chevron Service Station #9-0076  
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Oakland, California

<b>WELL ID/ DATE</b>	<b>TOC* (ft.)</b>	<b>GWE (msl)</b>	<b>DTW (ft.)</b>	<b>SPHT (ft.)</b>	<b>SPH REMOVED (gallons)</b>	<b>TPH- GRO (µg/L)</b>	<b>B (µg/L)</b>	<b>T (µg/L)</b>	<b>E (µg/L)</b>	<b>X (µg/L)</b>	<b>MTBE (µg/L)</b>	<b>ETHANOL (µg/L)</b>
<b>C-8</b>												
11/14/90	30.68	-12.61	43.29	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--
06/18/91	30.68	-11.94	42.62	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/19/91	30.68	-11.04	41.72	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/20/91	30.68	-10.30	40.98	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/18/92	30.68	-9.34	40.02	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/14/92	30.68	-8.34	39.02	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/08/92	30.68	-8.00	38.68	--	--	<50	<0.5	<0.5	<0.5	1.1	--	--
01/08/93	30.68	-7.39	38.07	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/14/93	30.68	-5.31	35.99	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/16/93	30.68	-4.64	35.32	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/21/93	34.68	-0.62	35.30	--	--	<50	<0.5	<0.5	<0.5	<0.8	--	--
01/28/94	34.68	-0.93	35.61	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/17/94	34.68	0.31	34.37	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/16/94	34.68	1.32	33.36	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/22/94	34.68	1.86	32.82	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/15/94	34.68	2.32	32.36	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/30/95	34.68	5.44	29.24	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/20/95	34.68	6.34	28.34	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/20/95	34.68	5.20	29.48	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/06/95	34.68	3.76	30.92	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/21/96	34.68	6.03	28.65	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/21/96	34.68	6.78	27.90	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/06/96	34.68	5.98	28.70	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/19/96	34.68	4.98	29.70	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/17/97	34.68	6.92	27.76	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/11/97	34.68	5.87	28.81	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/17/97	34.68	5.32	29.36	--	--	SAMPLED ANNUALLY		--	--	--	--	--
12/11/97	34.68	4.88	29.80	--	--	--	--	--	--	--	--	--
03/12/98	34.68	8.95	25.73	--	--	<50	<0.5	<0.5	<0.5	<0.5	2.6	--
06/23/98	34.68	8.38	26.30	--	--	--	--	--	--	--	--	--
09/01/98	34.68	8.17	26.51	--	--	--	--	--	--	--	--	--
12/30/98	34.68	7.79	26.89	--	--	--	--	--	--	--	--	--
03/31/99	34.68	8.32	26.36	--	--	<50	<0.5	<0.5	<0.5	<0.5	11.8	--
06/14/99	34.68	8.65	26.03	--	--	--	--	--	--	--	--	--
09/30/99	34.68	7.40	27.28	--	--	--	--	--	--	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0076  
4265 Foothill Boulevard  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH- GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)
<b>C-8 (cont)</b>												
12/22/99	34.68	6.48	28.20	--	--	--	--	--	--	--	--	--
03/09/00	34.68	8.35	26.33	--	--	<50	<0.5	<0.5	<0.5	1.8	<2.5	--
06/23/00	34.68	8.49	26.19	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
09/05/00	34.68	7.71	26.97	0.00	0.00	--	--	--	--	--	--	--
12/04/00	34.68	7.26	27.42	0.00	0.00	--	--	--	--	--	--	--
03/08/01	34.68	8.58	26.10	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--
06/07/01	34.68	8.89	25.79	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
09/13/01	34.68	7.87	26.81	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
12/13/01	34.68	7.52	27.16	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
03/08/02	34.68	9.38	25.30	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
06/19/02	34.68	9.75	24.93	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
09/11/02	34.68	8.76	25.92	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
12/11/02	34.68	7.37	27.31	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
03/11/03	34.68	8.89	25.79	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
06/10/03	34.68	9.40	25.28	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
09/09/03	34.68	8.57	26.11	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
12/09/03	34.68	6.17	28.51	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
03/09/04 <sup>7</sup>	34.68	10.70	23.98	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/08/04	34.68	9.41	25.27	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
09/08/04	34.68	8.85	25.83	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
12/06/04	34.68	9.62	25.06	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
03/07/05 <sup>7</sup>	34.68	11.33	23.35	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/06/05	34.68	11.84	22.84	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
09/06/05	34.68	9.77	24.91	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
12/05/05	34.68	10.52	24.16	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
03/06/06 <sup>7</sup>	34.68	12.13	22.55	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/05/06	34.68	13.08	21.60	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
09/05/06	34.68	10.93	23.75	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
12/04/06	34.68	10.71	23.97	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
03/05/07 <sup>7</sup>	34.68	11.63	23.05	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/04/07	34.68	12.57	22.11	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
09/07/07	34.68	10.61	24.07	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
12/06/07	34.68	10.30	24.38	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--
03/06/08 <sup>7</sup>	34.68	11.32	23.36	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/05/08	34.68	11.62	23.06	0.00	0.00	SAMPLED ANNUALLY		--	--	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0076  
4265 Foothill Boulevard  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH- GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)
<b>C-8 (cont)</b>												
09/03/08	34.68	9.75	24.93	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
12/03/08	34.68	8.98	25.70	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
<b>03/04/09<sup>7</sup></b>	<b>34.68</b>	<b>10.70</b>	<b>23.98</b>	<b>0.00</b>	<b>0.00</b>	<b>&lt;50</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;50</b>
<b>C-9</b>												
08/13/96	--	--	28.27	--	--	ND	ND	ND	ND	ND	ND	--
09/06/96	--	--	28.47	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/19/96	30.68	1.39	29.29	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/17/97	30.68	3.11	27.57	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/11/97	30.68	2.41	28.27	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/17/97	30.68	2.05	28.63	--	--	SAMPLED ANNUALLY	--	--	--	--	--	--
12/11/97	30.68	1.25	29.43	--	--	--	--	--	--	--	--	--
03/12/98	30.68	5.06	25.62	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/23/98	30.68	4.53	26.15	--	--	--	--	--	--	--	--	--
09/01/98	30.68	4.30	26.38	--	--	--	--	--	--	--	--	--
12/30/98	30.68	3.93	26.75	--	--	--	--	--	--	--	--	--
03/31/99	30.68	5.35	25.33	--	--	<50	<0.5	<0.5	<0.5	<0.5	12.5	--
06/14/99	30.68	4.16	26.52	--	--	--	--	--	--	--	--	--
09/30/99	30.68	3.89	26.79	--	--	--	--	--	--	--	--	--
12/22/99	30.68	2.99	27.69	--	--	--	--	--	--	--	--	--
03/09/00	30.68	4.64	26.04	--	--	<50	<0.5	<0.5	<0.5	0.75	<2.5	--
06/23/00	30.68	4.83	25.85	0.00	0.00	--	--	--	--	--	--	--
09/05/00	30.68	3.99	26.69	0.00	0.00	--	--	--	--	--	--	--
12/04/00	30.68	3.61	27.07	0.00	0.00	--	--	--	--	--	--	--
03/08/01	30.68	4.93	25.75	0.00	0.00	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--
06/07/01	30.68	5.18	25.50	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
09/13/01	30.68	4.13	26.55	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
12/13/01	30.68	3.91	26.77	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
03/08/02	30.68	5.68	25.00	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
06/19/02	30.68	6.01	24.67	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
09/11/02	30.68	4.98	25.70	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
12/11/02	30.68	3.61	27.07	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
03/11/03	30.68	6.20	24.48	0.00	0.00	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
06/10/03	30.68	5.68	25.00	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--

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Chevron Service Station #9-0076  
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Oakland, California

<b>WELL ID/ DATE</b>	<b>TOC* (ft.)</b>	<b>GWE (msl)</b>	<b>DTW (ft.)</b>	<b>SPHT (ft.)</b>	<b>SPH REMOVED (gallons)</b>	<b>TPH- GRO (µg/L)</b>	<b>B (µg/L)</b>	<b>T (µg/L)</b>	<b>E (µg/L)</b>	<b>X (µg/L)</b>	<b>MTBE (µg/L)</b>	<b>ETHANOL (µg/L)</b>
<b>C-9 (cont)</b>												
09/09/03	30.68	4.88	25.80	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
12/09/03	30.68	2.46	28.22	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
03/09/04 <sup>7</sup>	30.68	6.82	23.86	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/08/04	-- <sup>10</sup>	-- <sup>10</sup>	25.21	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
09/08/04	-- <sup>10</sup>	-- <sup>10</sup>	25.61	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
12/06/04	-- <sup>10</sup>	-- <sup>10</sup>	24.77	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
03/07/05 <sup>7</sup>	-- <sup>10</sup>	-- <sup>10</sup>	23.18	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/06/05	-- <sup>10</sup>	-- <sup>10</sup>	22.65	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
09/06/05	-- <sup>10</sup>	-- <sup>10</sup>	24.58	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
12/05/05	-- <sup>10</sup>	-- <sup>10</sup>	23.80	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
03/06/06 <sup>7</sup>	-- <sup>10</sup>	-- <sup>10</sup>	22.44	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/05/06	-- <sup>10</sup>	-- <sup>10</sup>	21.54	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
09/05/06	-- <sup>10</sup>	-- <sup>10</sup>	23.49	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
12/04/06	-- <sup>10</sup>	-- <sup>10</sup>	23.72	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
03/05/07 <sup>7</sup>	-- <sup>10</sup>	-- <sup>10</sup>	22.97	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/04/07	-- <sup>10</sup>	-- <sup>10</sup>	21.89	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
09/07/07	-- <sup>10</sup>	-- <sup>10</sup>	23.76	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
12/06/07	-- <sup>10</sup>	-- <sup>10</sup>	24.17	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
03/06/08 <sup>7</sup>	-- <sup>10</sup>	-- <sup>10</sup>	23.18	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/05/08	-- <sup>10</sup>	-- <sup>10</sup>	23.11	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
09/03/08	-- <sup>10</sup>	-- <sup>10</sup>	24.91	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
12/03/08	-- <sup>10</sup>	-- <sup>10</sup>	25.51	0.00	0.00	SAMPLED ANNUALLY	--	--	--	--	--	--
<b>03/04/09<sup>7</sup></b>	<b>--<sup>10</sup></b>	<b>--<sup>10</sup></b>	<b>23.92</b>	<b>0.00</b>	<b>0.00</b>	<b>&lt;50</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;50</b>
<b>C-10</b>												
09/09/03 <sup>7,8</sup>	--	--	17.18	0.00	0.00	<50	<0.5	<0.5	<0.5	0.5	14	<50
12/09/03 <sup>7</sup>	--	--	14.24	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	<50
03/09/04 <sup>7</sup>	38.37	28.67	9.70	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	15	<50
06/08/04 <sup>7</sup>	38.37	26.67	11.70	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	44	<50
09/08/04 <sup>7</sup>	38.37	25.37	13.00	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	2	<50
12/06/04 <sup>7</sup>	38.37	25.84	12.53	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	3	<50
03/07/05 <sup>7</sup>	38.38	30.54	7.84	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	140	<50
06/06/05 <sup>7</sup>	38.38	28.76	9.62	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	390	<50
09/06/05 <sup>7</sup>	38.39	26.81	11.58	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	190	<50

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WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH- GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)
<b>C-10 (cont)</b>												
12/05/05 <sup>7</sup>	38.39	27.51	10.88	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	67	<50
03/06/06 <sup>7</sup>	38.39	31.02	7.37	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	280	<50
06/05/06 <sup>7</sup>	38.39	29.14	9.25	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	280	<50
09/05/06 <sup>7</sup>	38.39	28.01	10.38	0.00	0.00	<50	3	3	2	16	63	<50
12/04/06 <sup>7</sup>	38.39	27.74	10.65	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	93	<50
03/05/07 <sup>7</sup>	38.39	29.42	8.97	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	100	<50
06/04/07 <sup>7</sup>	38.39	28.59	9.80	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	48	<50
09/07/07 <sup>7</sup>	38.39	27.19	11.20	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	18	<50
12/06/07 <sup>7</sup>	38.39	27.86	10.53	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	19	<50
03/06/08 <sup>7</sup>	38.39	29.64	8.75	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	43	<50
06/05/08 <sup>7</sup>	38.39	28.44	9.95	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	25	<50
09/03/08 <sup>7</sup>	38.39	26.98	11.41	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	12	<50
12/03/08 <sup>7</sup>	38.39	27.13	11.26	0.00	0.00	<50	<0.5	<0.5	<0.5	<0.5	8	<50
<b>03/04/09<sup>7</sup></b>	<b>38.39</b>	<b>31.23</b>	<b>7.16</b>	<b>0.00</b>	<b>0.00</b>	<b>&lt;50</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>6</b>	<b>&lt;50</b>
<b>TRIP BLANK</b>												
04/28/89	--	--	--	--	--	<500	<0.5	<0.5	<0.5	<0.5	--	--
08/08/89	--	--	--	--	--	<500	<0.5	<0.5	<0.5	<0.5	--	--
08/27/90	--	--	--	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--
11/14/90	--	--	--	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--
06/18/91	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/19/91	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/20/91	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/18/92	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/14/92	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/08/92	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/08/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/14/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/16/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/21/93	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.8	--	--
01/28/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/17/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/16/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/22/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0076  
4265 Foothill Boulevard  
Oakland, California

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	SPHT (ft.)	SPH REMOVED (gallons)	TPH- GRO (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	ETHANOL (µg/L)
<b>TRIP BLANK (cont)</b>												
12/15/94	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/30/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/20/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/20/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/06/95	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/21/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/21/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/06/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/19/96	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/17/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/11/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/17/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/11/97	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/12/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/23/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/01/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/30/98	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
03/31/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
06/14/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/22/99	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/23/00	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
09/05/00	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
12/04/00	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
03/08/01	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	--
06/07/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
09/13/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
<b>QA</b>												
12/13/01	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
03/08/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
06/19/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
09/11/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
12/11/02	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
03/11/03	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
06/10/03 <sup>7</sup>	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/09/03 <sup>7</sup>	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0076  
4265 Foothill Boulevard  
Oakland, California

<b>WELL ID/ DATE</b>	<b>TOC* (ft.)</b>	<b>GWE (msl)</b>	<b>DTW (ft.)</b>	<b>SPHT (ft.)</b>	<b>SPH REMOVED (gallons)</b>	<b>TPH- GRO (µg/L)</b>	<b>B (µg/L)</b>	<b>T (µg/L)</b>	<b>E (µg/L)</b>	<b>X (µg/L)</b>	<b>MTBE (µg/L)</b>	<b>ETHANOL (µg/L)</b>
<b>QA (cont)</b>												
12/09/03 <sup>7</sup>	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/09/04 <sup>7</sup>	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/08/04 <sup>7</sup>	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/08/04 <sup>7</sup>	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/06/04 <sup>7</sup>	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/07/05 <sup>7</sup>	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/06/05 <sup>7</sup>	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/06/05 <sup>7</sup>	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/05/05 <sup>7</sup>	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/06/06 <sup>7</sup>	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/05/06 <sup>7</sup>	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/05/06 <sup>7</sup>	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/04/06 <sup>7</sup>	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/05/07 <sup>7</sup>	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/04/07 <sup>7</sup>	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/07/07 <sup>7</sup>	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/06/07 <sup>7</sup>	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/06/08 <sup>7</sup>	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/05/08 <sup>7</sup>	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/03/08 <sup>7</sup>	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
12/03/08 <sup>7</sup>	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
<b>03/04/09<sup>7</sup></b>	--	--	--	--	--	<b>&lt;50</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-0076  
4265 Foothill Boulevard  
Oakland, California

**EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results prior to June 23, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing (ft.) = Feet	TPH = Total Petroleum Hydrocarbons GRO = Gasoline Range Organics	(µg/L) = Micrograms per liter ND = Not Detected
GWE = Groundwater Elevation (msl) = Mean sea level	B = Benzene T = Toluene	-- = Not Measured/Not Analyzed
DTW = Depth to Water	E = Ethylbenzene X = Xylenes	QA = Quality Assurance/Trip Blank
SPHT = Separate Phase Hydrocarbons Thickness	MTBE = Methyl Tertiary Butyl Ether	
SPH = Separate Phase Hydrocarbons		

\* TOC elevation for C-10 was surveyed on September 26, 2003, by Virgil Chavez Land Surveying. The benchmark for this survey was a City of Oakland No. 1589, a cut square in the sidewalk at the mid-return at the west corner of High Street and Foothill Blvd., (Benchmark Elevation = 38.54 feet, NGVD 29).

\*\* GWE corrected for the presence of SPH; correction factor:  $[(TOC - DTW) + (SPHT \times 0.80)]$ .

1 Confirmation run.

2 Sample was analyzed past hold-time, the results should be considered as estimated.

3 ORC present in well.

4 Laboratory report indicates gasoline C6-C12.

5 Laboratory report indicates sample was originally analyzed within holding time. Re-analysis for confirmation or dilution was performed past the recommended holding time.

6 Laboratory report indicates hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.

7 BTEX and MTBE by EPA Method 8260.

8 Well development performed.

9 ORC removed from well.

10 TOC has been altered; unable to determine an accurate GWE.

11 Laboratory confirmed result.



**APPENDIX C**

**GEOTRACKER UPLOAD CONFIRMATION**

STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER ESI**

UPLOADING A GEO\_WELL FILE

**SUCCESS**

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

<b><u>Submittal Type:</u></b>	<b>GEO_WELL</b>
<b><u>Submittal Title:</u></b>	<b>1Q09 GEO_WELL 11109</b>
<b><u>Facility Global ID:</u></b>	<b>T0600100217</b>
<b><u>Facility Name:</u></b>	<b>BP #11109</b>
<b><u>File Name:</u></b>	<b>GEO_WELL.zip</b>
<b><u>Organization Name:</u></b>	<b>Broadbent &amp; Associates, Inc.</b>
<b><u>Username:</u></b>	<b>BROADBENT-C</b>
<b><u>IP Address:</u></b>	<b>67.118.40.90</b>
<b><u>Submittal Date/Time:</u></b>	<b>3/30/2009 3:20:42 PM</b>
<b><u>Confirmation Number:</u></b>	<b>2060107171</b>

STATE WATER RESOURCES CONTROL BOARD  
**GEOTRACKER ESI**

UPLOADING A EDF FILE

**SUCCESS**

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

<b><u>Submittal Type:</u></b>	EDF - Monitoring Report - Quarterly
<b><u>Submittal Title:</u></b>	1Q09 GW Monitoring
<b><u>Facility Global ID:</u></b>	T0600100217
<b><u>Facility Name:</u></b>	BP #11109
<b><u>File Name:</u></b>	09030379.zip
<b><u>Organization Name:</u></b>	Broadbent & Associates, Inc.
<b><u>Username:</u></b>	BROADBENT-C
<b><u>IP Address:</u></b>	67.118.40.90
<b><u>Submittal Date/Time:</u></b>	3/30/2009 3:24:06 PM
<b><u>Confirmation Number:</u></b>	<b>5261328458</b>

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