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12:09 pm, Nov 16, 2010

**Alameda County  
Environmental Health**

**Dave Patten**  
Project Manager  
Marketing Business Unit

**Chevron Environmental  
Management Company**  
6111 Bollinger Canyon Road  
San Ramon, CA 94583  
Tel (925) 543-1740  
Fax (925) 543-2324  
drpatten@chevron.com

Alameda County Health Care Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

Re: Chevron Service Station No. 9-0020  
1633 Harrison Street  
Oakland, CA

I have reviewed the attached report dated November 15, 2010.

I agree with the conclusions and recommendations presented in the referenced report. The information in this report is accurate to the best of my knowledge and all local Agency/Regional Board guidelines have been followed. This report was prepared by Conestoga-Rovers & Associates, upon whose assistance and advice I have relied.

This letter is submitted pursuant to the requirements of California Water Code Section 13267(b)(1) and the regulating implementation entitled Appendix A pertaining thereto.

I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge.

Sincerely,

Dave Patten  
Project Manager

Attachment: Report



**CONESTOGA-ROVERS  
& ASSOCIATES**

5900 Hollis Street, Suite A  
Emeryville, California 94608  
Telephone: (510) 420-0700 Fax: (510) 420-9170  
<http://www.craworld.com>

November 15, 2010

Reference No. 311956

Mr. Mark Detterman  
Alameda County Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

Re: Second Semi-Annual 2010  
Groundwater Monitoring and Sampling Report  
Former Chevron Service Station 9-0020  
1633 Harrison Street  
Oakland, California  
Fuel Leak Case No. RO0000143

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Dear Mr. Mark Detterman:

Conestoga-Rovers & Associates (CRA) is submitting this *Second Semi-Annual 2010 Groundwater Monitoring and Sampling Report* for the site referenced above (Figures 1 and 2) on behalf of Chevron Environmental Management Company. Groundwater monitoring and sampling was performed by Blaine Tech Services, Inc. (Blaine Tech) of San Jose, California). Blaine Tech's September 22, 2010 *Third Quarter 2010 Monitoring* report is presented as Attachment A. Current groundwater monitoring and sampling data are presented in Table 1. Lancaster Laboratories' September 27, 2010 *Analytical Results* is included as Attachment B.

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Equal  
Employment Opportunity  
Employer

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**CONESTOGA-ROVERS  
& ASSOCIATES**

November 15, 2010

Reference No. 311956

- 2 -

Please contact Mr. Nathan Lee at (510) 420-3333 if you have any questions or require additional information.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Ian Hull

Nathan Lee, PG 8486

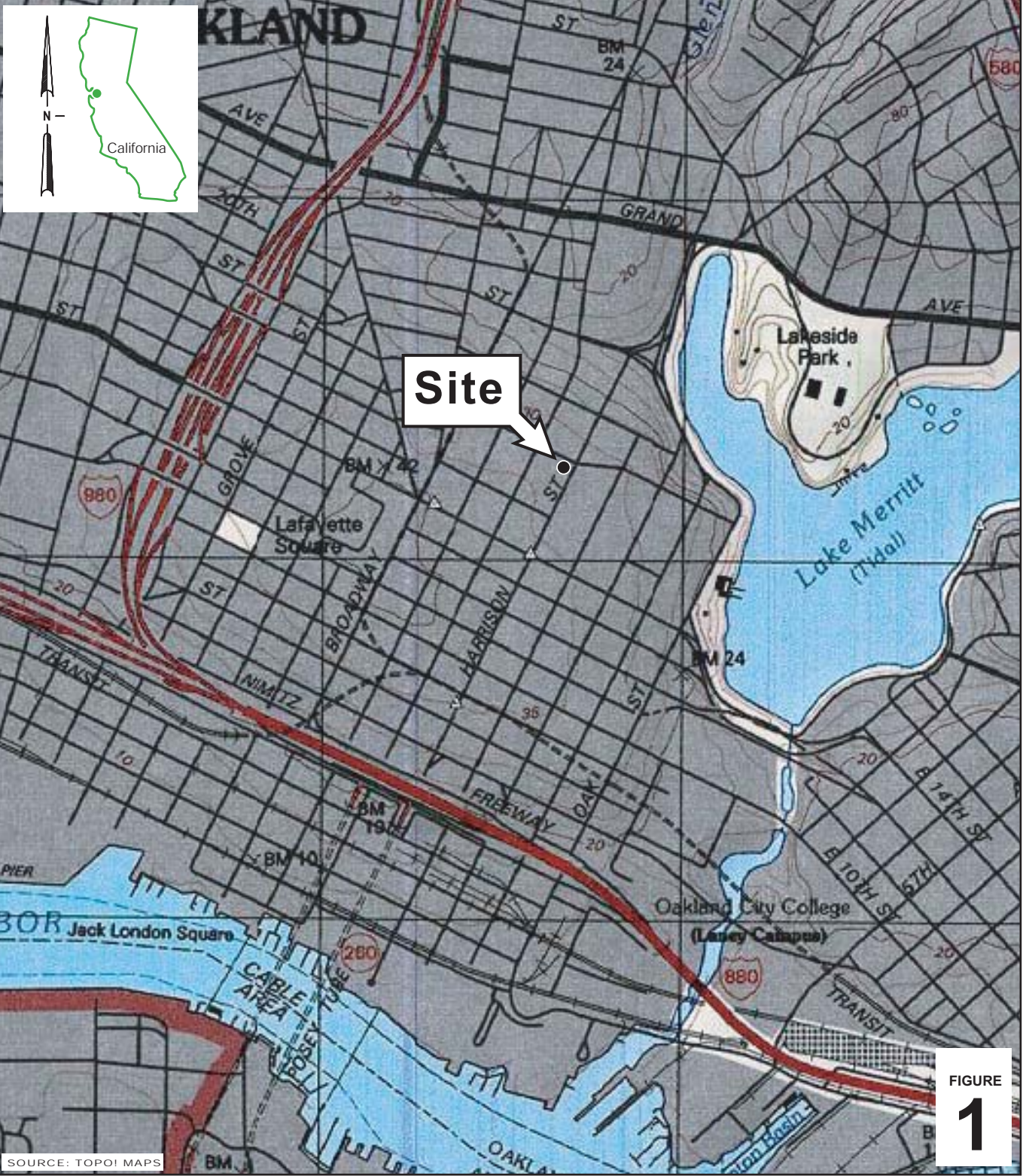


IH/doh/11  
Encl.

Figure 1	Vicinity Map
Figure 2	Groundwater Elevation and Hydrocarbon Concentration Map
Table 1	Groundwater Monitoring and Sampling Data
Attachment A	Monitoring Data Package
Attachment B	Laboratory Analytical Report

cc: Mr. David Patten, Chevron  
Mr. Shadrick Small, Oakland Housing Authority  
Mr. Karl Lauff, Christian Church Homes  
Mr. Leroy Griffin, Oakland Fire Department  
Ms. Jeriann Alexander, FugroWest, Inc.

## FIGURES



311956\_VICINITY\_MAP.A1

SOURCE: TOPO! MAPS

FIGURE

1



SCALE : 1" = 1/4 MILE

### Former Chevron Station 9-0020

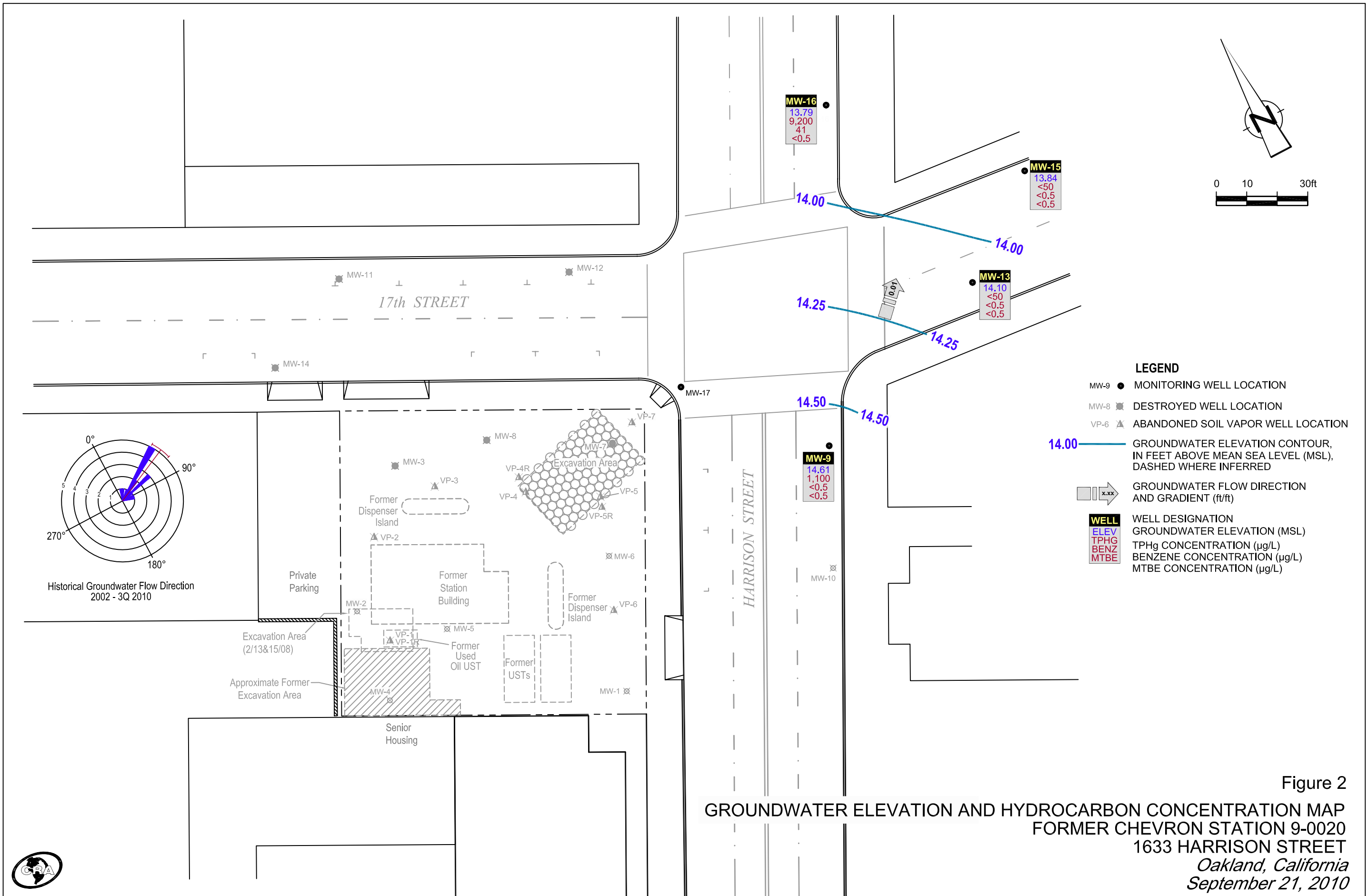
1633 Harrison Street  
Oakland, California



**CONESTOGA-ROVERS  
& ASSOCIATES**

### Vicinity Map





## TABLE

**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	HYDROCARBONS		PRIMARY VOCS					OXYGENATES					
					TPH-GRO	B	T	E	X	MTBE by SW8260	Total Oil and Grease	ETHANOL	TBA	DIPE	ETBE	TAME	EDB
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-9	06/22/1990	28.67	20.80	7.87	5,700	47	31	280	530	-	<1,000	-	-	-	-	-	-
MW-9	08/09/1990	28.67	20.74	7.93	8,000	<0.3	17	210	480	-	-	-	-	-	-	-	-
MW-9	11/13/1990	28.67	20.78	7.89	6,400	<3.0	20	240	450	-	-	-	-	-	-	-	-
MW-9	05/15/1991	28.67	20.48	8.19	5,700	2.0	16	190	390	-	-	-	-	-	-	-	-
MW-9	08/27/1991	28.67	20.55	8.12	6,700	<3.0	31	180	350	-	-	-	-	-	-	-	-
MW-9	11/15/1991	28.67	20.57	8.10	4,000	8.8	26	150	280	-	-	-	-	-	-	-	-
MW-9	02/20/1992	28.67	21.77	6.90	3,400	13	30	230	460	-	-	-	-	-	-	-	-
MW-9	06/15/1992	28.67	20.37	8.30	4,500	19	72	280	560	-	-	-	-	-	-	-	-
MW-9	12/16/1992	28.68	20.29	8.39	9,900	380	220	380	1,300	-	-	-	-	-	-	-	-
MW-9	04/07/1993	28.68	19.32	9.36	8,700	51	150	360	1,000	-	-	-	-	-	-	-	-
MW-9	06/09/1993	28.68	19.16	9.52	8,900	170	160	350	1,100	-	-	-	-	-	-	-	-
MW-9	09/10/1993	28.68	-	-	4,600	110	63	190	350	-	-	-	-	-	-	-	-
MW-9	09/27/1993	28.68	19.94	8.74	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	12/17/1993	28.68	20.31	8.37	4,600	92	85	180	300	-	-	-	-	-	-	-	-
MW-9	03/10/1994	28.68	20.30	8.38	3,300	8.0	29	120	170	-	-	-	-	-	-	-	-
MW-9	06/16/1994	28.68	20.26	8.42	2,900	4.8	16	85	64	-	-	-	-	-	-	-	-
MW-9	09/07/1994	28.68	20.41	8.27	2,900	<0.5	9.9	70	75	-	-	-	-	-	-	-	-
MW-9	11/30/1994	28.68	19.98	8.70	2,100	<5.0	<5.0	53	51	-	-	-	-	-	-	-	-
MW-9	03/22/1995	28.68	19.41	9.27	2,200	<5.0	5.3	26	69	-	-	-	-	-	-	-	-
MW-9	06/27/1995	28.68	19.40	9.28	2,900	7.4	10	68	99	-	-	-	-	-	-	-	-
MW-9	09/28/1995	28.68	19.55	9.13	4,000	32	<10	36	44	-	-	-	-	-	-	-	-
MW-9	12/30/1995	28.68	19.80	8.88	3,800	<5.0	13	<5.0	120	120	-	-	-	-	-	-	-
MW-9	02/28/1996	28.68	19.75	8.93	2,000	9.9	<5.0	46	30	<25	-	-	-	-	-	-	-
MW-9	06/27/1996	28.68	19.55	9.13	2,400	36	7.1	65	72	<50	-	-	-	-	-	-	-
MW-9	09/13/1996	28.68	19.82	8.86	2,500	26	8.4	53	39	36	-	-	-	-	-	-	-
MW-9	12/16/1996	28.68	20.77	7.91	1,200	3.5	2.4	12	14	<10	-	-	-	-	-	-	-



**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	HYDROCARBONS	PRIMARY VOCS					OXYGENATES						
					TPH-GRO	B	T	E	X	MTBE by SW8260	Total Oil and Grease	ETHANOL	TBA	DIPE	ETBE	TAME	EDB
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-9	03/20/1997	28.68	19.40	9.28	2,400	25	5.8	26	22	<25	-	-	-	-	-	-	-
MW-9	09/08/1997	28.68	20.09	8.59	1,800	9.5	8.1	22	21	12	-	-	-	-	-	-	-
MW-9	02/16/1998	28.68	19.23	9.45	950	5.6	3.1	13	13	18	-	-	-	-	-	-	-
MW-9	08/25/1998	28.68	19.50	9.18	2,100	2.5	6.4	35	51	8.9	-	-	-	-	-	-	-
MW-9	03/09/1999	28.68	19.81	8.87	1,400	12	7.8	8.8	16	8.8	-	-	-	-	-	-	-
MW-9	07/19/1999 <sup>2</sup>	28.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/29/1999	28.68	20.41	8.27	217	1.36	1.14	1.56	1.49	<2.0 <sup>1</sup> / <sup>1</sup> <5.0	-	-	-	-	-	-	-
MW-9	03/27/2000 <sup>10</sup>	28.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/18/2000 <sup>3</sup>	28.68	20.05	8.63	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-
MW-9	03/27/2001 <sup>3</sup>	28.68	19.84	8.84	718	<0.500	<0.500	3.31	12.3	<0.500	-	-	-	-	-	-	-
MW-9	09/05/2001 <sup>3</sup>	28.68	20.29	8.39	1,500	<0.50	2.9	11	25	<2.5	-	-	-	-	-	-	-
MW-9	03/15/2002 <sup>3</sup>	28.68	20.61	8.07	740	0.56	<0.50	4.0	5.3	<2.5	-	-	-	-	-	-	-
MW-9	09/14/2002 <sup>3</sup>	28.68	20.06	8.62	580	<1.0	<1.0	1.8	3.4	3.4	-	-	-	-	-	-	-
MW-9	03/26/2003 <sup>3</sup>	28.68	19.97	8.71	440	1.7	0.69	<5.0	<1.5	<2.5	-	-	-	-	-	-	-
MW-9	09/02/2003 <sup>6,7</sup>	28.68	20.86	7.82	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-9	03/29/2004 <sup>6</sup>	28.68	19.14	9.54	660	<0.5	<0.5	12	11	0.8	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-9	09/03/2004 <sup>6</sup>	28.68	19.77	8.91	350	<0.5	<0.5	2	0.9	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-9	03/02/2005 <sup>6</sup>	28.68	19.11	9.57	800	<0.5	<0.5	3	1.6	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-9	09/22/2005 <sup>6</sup>	28.68	19.01	9.67	690	<0.5	<0.5	0.6	<1.0	<0.5	-	<50	12	<0.5	<0.5	<0.5	<0.5
MW-9	03/30/2006 <sup>6</sup>	28.68	18.66	10.02	540	<0.5	0.9	4	4	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-9	08/28/2006 <sup>6</sup>	28.68	19.25	9.43	2,700	<0.5	7	10	56	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-9	03/05/2007 <sup>6</sup>	28.68	18.79	9.89	800	<0.5	<0.5	0.7	1	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-9	09/24/2007 <sup>6</sup>	28.68	20.70	7.98	360	<0.5	<0.5	0.6	0.9	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-9	03/10/2008 <sup>6</sup>	28.68	19.86	8.82	390	<0.5	<0.5	<0.5	0.9	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-9	09/12/2008 <sup>6</sup>	28.68	20.45	8.23	540	<0.5	<0.5	0.7	6.5	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-9	09/24/2009 <sup>6</sup>	28.68	20.47	8.21	580	<0.5	<0.5	0.8 J	5	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5

**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	HYDROCARBONS		PRIMARY VOCS					OXYGENATES					
					TPH-GRO	B	T	E	X	MTBE by SW8260	Total Oil and Grease	ETHANOL	TBA	DIPE	ETBE	TAME	EDB
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-9	03/31/2010 <sup>6</sup>	28.68	19.92	8.76	680	<0.5	<0.5	1 J	3 J	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-9	09/21/2010	34.56	19.95	14.61	1,100	<0.5	<0.5	3	10	<0.5	-	<50	-	-	-	-	-
MW-13	11/15/1991 <sup>16</sup>	28.63	21.07	7.56	3,100	68	40	110	270	-	-	-	-	-	-	-	-
MW-13	02/20/1992	28.63	22.17	6.46	3,100	120	50	240	400	-	-	-	-	-	-	-	-
MW-13	06/15/1992	28.63	20.67	7.96	3,200	35	33	210	300	-	-	-	-	-	-	-	-
MW-13	12/16/1992	28.62	20.34	8.28	87,000	1,400	540	2,400	11,000	-	-	-	-	-	-	-	-
MW-13	04/07/1993	28.62	19.41	9.21	1,500	72	12	70	160	-	-	-	-	-	-	-	-
MW-13	06/09/1993	28.62	19.20	9.42	210	6.0	2.0	7.0	16	-	-	-	-	-	-	-	-
MW-13	09/10/1993	28.62	-	-	73	3.0	<0.5	2.0	3.0	-	-	-	-	-	-	-	-
MW-13	09/27/1993	28.62	20.35	8.27	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	12/17/1993	28.62	20.76	7.86	640	43	12	12	37	-	-	-	-	-	-	-	-
MW-13	03/10/1994	28.62	20.69	7.93	540	44	22	10	69	-	-	-	-	-	-	-	-
MW-13	06/16/1994	28.62	20.67	7.95	1,800	63	12	18	64	-	-	-	-	-	-	-	-
MW-13	09/07/1994	28.62	20.83	7.79	1,400	59	12	22	50	-	-	-	-	-	-	-	-
MW-13	11/30/1994	28.62	20.41	8.21	700	36	4.4	18	31	-	-	-	-	-	-	-	-
MW-13	03/22/1995	28.62	19.82	8.80	190	1.4	1.4	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-13	06/27/1995	28.62	19.76	8.86	220	1.8	<0.5	<0.5	0.84	-	-	-	-	-	-	-	-
MW-13	09/28/1995	28.62	20.04	8.58	160	3.2	<0.5	0.97	2.2	-	-	-	-	-	-	-	-
MW-13	12/30/1995	28.62	20.30	8.32	190	0.94	<0.5	0.74	1.1	<2.5	-	-	-	-	-	-	-
MW-13	02/28/1996	28.62	19.89	8.73	130	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
MW-13	06/27/1996	28.62	19.98	8.64	280	<0.5	1.4	<0.5	3.8	9.4	-	-	-	-	-	-	-
MW-13	09/13/1996	28.62	20.28	8.34	170	<0.5	<0.5	<0.5	0.89	2.7	-	-	-	-	-	-	-
MW-13	12/16/1996	28.62	20.47	8.15	170	<0.5	0.51	0.6	3.0	<2.5	-	-	-	-	-	-	-
MW-13	03/20/1997	28.62	19.90	8.72	290	1.6	0.78	1.1	1.5	3.4	-	-	-	-	-	-	-
MW-13	09/08/1997	28.62	20.49	8.13	140	0.52	1.5	<0.5	1.2	<2.5	-	-	-	-	-	-	-

**TABLE 1**  
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**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	HYDROCARBONS		PRIMARY VOCS					OXYGENATES					
					TPH-GRO	B	T	E	X	MTBE by SW8260	Total Oil and Grease	ETHANOL	TBA	DIPE	ETBE	TAME	EDB
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-13	02/16/1998	28.62	19.75	8.87	64	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
MW-13	08/25/1998	28.62	20.02	8.60	99	<0.5	<0.5	<0.5	1.7	<2.5	-	-	-	-	-	-	-
MW-13	03/09/1999	28.62	20.00	8.62	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
MW-13	09/29/1999	28.62	20.49	8.13	<50	<0.5	<0.5	<0.5	<0.5	<5.0/<2.0 <sup>1</sup>	-	-	-	-	-	-	-
MW-13	03/27/2000	28.62	20.04	8.58	89.5	0.765	0.682	<0.5	0.688	4.04	-	-	-	-	-	-	-
MW-13	09/18/2000	28.62	20.49	8.13	1,300 <sup>5</sup>	6.9	2.8	14	28	12	-	-	-	-	-	-	-
MW-13	03/27/2001	28.62	20.28	8.34	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-
MW-13	09/05/2001	28.62	20.66	7.96	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-
MW-13	03/15/2002	28.62	20.10	8.52	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-
MW-13	09/14/2002	28.62	20.46	8.16	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-
MW-13	03/26/2003	28.62	20.42	8.20	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-
MW-13	09/02/2003 <sup>6</sup>	28.62	21.35	7.27	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<5
MW-13	03/29/2004 <sup>6</sup>	28.62	19.66	8.96	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-13	09/03/2004 <sup>6</sup>	28.62	20.14	8.48	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-13	03/02/2005 <sup>6</sup>	28.62	19.51	9.11	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-13	09/22/2005 <sup>6</sup>	28.62	19.29	9.33	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-13	03/30/2006 <sup>6</sup>	28.62	19.10	9.52	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-13	08/28/2006 <sup>6</sup>	28.62	19.54	9.08	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-13	03/05/2007 <sup>6</sup>	28.62	19.18	9.44	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-13	09/24/2007 <sup>6</sup>	28.62	20.70	7.92	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-13	03/10/2008 <sup>6</sup>	28.62	20.21	8.41	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-13	09/12/2008 <sup>6</sup>	28.62	20.88	7.74	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-13	09/24/2009 <sup>6,9</sup>	28.62	20.90	7.72	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-13	03/31/2010 <sup>6</sup>	28.62	20.23	8.39	88 J	<0.5	<0.5	<0.5	<1.0	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
<b>MW-13</b>	<b>09/21/2010</b>	<b>34.54</b>	<b>20.44</b>	<b>14.10</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>	-	-	-	-	-

**TABLE 1  
GROUNDWATER MONITORING AND SAMPLING DATA  
FORMER CHEVRON SERVICE STATION 9-0020  
17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	HYDROCARBONS		PRIMARY VOCS					OXYGENATES					
					TPH-GRO	B	T	E	X	MTBE by SW8260	Total Oil and Grease	ETHANOL	TBA	DIPE	ETBE	TAME	EDB
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-15	12/16/1992	28.04	19.74	8.30	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-15	04/07/1993	28.04	18.80	9.24	<50	1.3	<0.5	<0.5	<1.5	-	-	-	-	-	-	-	-
MW-15	06/09/1993	28.04	18.60	9.44	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-15	09/10/1993	28.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	09/27/1993	28.04	19.93	8.11	<50	2.0	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-15	12/17/1993	28.04	20.32	7.72	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-15	03/10/1994	28.04	20.29	7.75	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-15	06/16/1994	28.04	20.31	7.73	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-15	09/07/1994	28.04	20.43	7.61	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-15	11/30/1994	28.04	20.01	8.03	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-15	03/22/1995	28.04	19.47	8.57	69	4.9	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-15	06/27/1995	28.04	19.34	8.70	<50	3.9	<0.5	1.4	<0.5	-	-	-	-	-	-	-	-
MW-15	09/28/1995	28.04	19.66	8.38	<50	0.82	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-15	12/30/1995	28.04	19.94	8.10	160	7.0	1.4	<0.5	1.8	14	-	-	-	-	-	-	-
MW-15	02/28/1996	28.04	19.63	8.41	81	1.7	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
MW-15	06/27/1996	28.04	19.60	8.44	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-	-
MW-15	09/13/1996	28.04	19.90	8.14	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
MW-15	12/16/1996	28.04	20.23	7.81	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
MW-15	03/20/1997	28.04	19.52	8.52	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
MW-15	09/08/1997	28.04	20.18	7.86	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
MW-15	02/16/1998	28.04	19.37	8.67	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
MW-15	08/25/1998	28.04	19.70	8.34	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
MW-15	03/09/1999	28.04	19.69	8.35	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
MW-15	09/29/1999	28.04	20.12	7.92	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-	-
MW-15	03/27/2000	28.04	19.67	8.37	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
MW-15	09/18/2000	28.04	20.13	7.91	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-

**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	HYDROCARBONS		PRIMARY VOCS					OXYGENATES					
					TPH-GRO	B	T	E	X	MTBE by SW8260	Total Oil and Grease	ETHANOL	TBA	DIPE	ETBE	TAME	EDB
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-15	03/27/2001	28.04	19.91	8.13	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-
MW-15	09/05/2001	28.04	20.28	7.76	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-
MW-15	03/15/2002	28.04	19.71	8.33	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-
MW-15	09/14/2002	28.04	20.10	7.94	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-
MW-15	03/26/2003	28.04	20.05	7.99	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-
MW-15	09/02/2003 <sup>6</sup>	28.04	20.92	7.12	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-15	03/29/2004 <sup>6</sup>	28.04	19.31	8.73	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-15	09/03/2004 <sup>6</sup>	28.04	19.73	8.31	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-15	03/02/2005 <sup>6</sup>	28.04	19.11	8.93	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-15	09/22/2005 <sup>6</sup>	28.04	18.85	9.19	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-15	03/30/2006 <sup>6</sup>	28.04	18.75	9.29	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-15	08/28/2006 <sup>6</sup>	28.04	19.12	8.92	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-15	03/05/2007 <sup>6</sup>	28.04	18.85	9.19	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-15	09/24/2007 <sup>6</sup>	28.04	20.33	7.71	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-15	03/10/2008 <sup>6</sup>	28.04	19.87	8.17	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-15	09/12/2008 <sup>6</sup>	28.04	20.50	7.54	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-15	09/24/2009 <sup>6</sup>	28.04	20.47	7.57	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-15	03/31/2010 <sup>6</sup>	28.04	19.85	8.19	<50	<0.5	<0.5	<0.5	<1.0	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
<b>MW-15</b>	<b>09/21/2010</b>	<b>33.94</b>	<b>20.10</b>	<b>13.84</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>	-	-	-	-	-
MW-16	12/16/1992	28.32	19.58	8.74	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	12/21/1992	28.32	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-16	04/07/1993	28.32	18.41	9.91	<50	<0.5	6.8	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-16	06/09/1993	28.32	18.25	10.07	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-16	09/10/1993	28.32	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-16	09/27/1993	28.32	20.16	8.16	-	-	-	-	-	-	-	-	-	-	-	-	-

**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	HYDROCARBONS	PRIMARY VOCS					OXYGENATES						
					TPH-GRO	B	T	E	X	MTBE by SW8260	Total Oil and Grease	ETHANOL	TBA	DIPE	ETBE	TAME	EDB
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-16	12/17/1993	28.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	03/10/1994	28.32	20.55	7.77	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-16	06/16/1994	28.32	20.65	7.67	<50	0.9	0.7	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-16	09/07/1994	28.32	20.73	7.59	150	1.3	0.8	1.2	3.6	-	-	-	-	-	-	-	-
MW-16	11/30/1994	28.32	20.28	8.04	4,200	300	<5.0	34	350	-	-	-	-	-	-	-	-
MW-16	03/22/1995	28.32	19.67	8.65	2,900	180	5.7	21	91	-	-	-	-	-	-	-	-
MW-16	06/27/1995	28.32	19.60	8.72	2,000	330	10	27	48	-	-	-	-	-	-	-	-
MW-16	09/28/1995 <sup>10</sup>	28.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	12/30/1995	28.32	20.26	8.06	3,100	770	39	30	80	<12	-	-	-	-	-	-	-
MW-16	02/28/1996	28.32	19.84	8.48	1,600	320	15	11	21	<25	-	-	-	-	-	-	-
MW-16	06/27/1996	28.32	19.87	8.45	2,900	670	48	54	86	280	-	-	-	-	-	-	-
MW-16	09/13/1996	28.32	20.15	8.17	1,400	18	4.0	8.6	16	<10	-	-	-	-	-	-	-
MW-16	12/16/1996	28.32	20.79	7.53	3,100	500	25	23	52	<25	-	-	-	-	-	-	-
MW-16	03/20/1997	28.32	19.80	8.52	3,800	550	23	14	8.4	140	-	-	-	-	-	-	-
MW-16	09/08/1997	28.32	20.35	7.97	2,800	470	28	24	41	<10	-	-	-	-	-	-	-
MW-16	02/16/1998	28.32	19.92	8.40	3,100	570	35	27	54	<25	-	-	-	-	-	-	-
MW-16	08/25/1998	28.32	20.20	8.12	3,500	520	43	57	75	<12	-	-	-	-	-	-	-
MW-16	03/09/1999	28.32	20.17	8.15	4,900	750	55	40	120	<50	-	-	-	-	-	-	-
MW-16	09/29/1999	28.32	20.55	7.77	5,480	717	45.3	44	100	<10 <sup>1</sup> / <sub>1</sub> <125	-	-	-	-	-	-	-
MW-16	03/27/2000 <sup>10</sup>	28.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/18/2000 <sup>3,10</sup>	28.32	20.47	7.85	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	03/27/2001 <sup>10</sup>	28.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/05/2001 <sup>3</sup>	28.32	19.62	8.70	6,500	710	72	45	94	<20	-	-	-	-	-	-	-
MW-16	03/15/2002 <sup>3</sup>	28.32	20.04	8.28	5,800	520	60	28	68	<2.5	-	-	-	-	-	-	-
MW-16	09/14/2002 <sup>3</sup>	28.32	20.48	7.84	7,300	560	75	52	100	<50	-	-	-	-	-	-	-
MW-16	03/26/2003 <sup>3</sup>	28.32	20.41	7.91	8,200	650	96	66	120	<50	-	-	-	-	-	-	-



**TABLE 1  
GROUNDWATER MONITORING AND SAMPLING DATA  
FORMER CHEVRON SERVICE STATION 9-0020  
17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	HYDROCARBONS		PRIMARY VOCS					OXYGENATES						
					TPH-GRO	B	T	E	X	MTBE by SW8260	Total Oil and Grease	ETHANOL	TBA	DIPE	ETBE	TAME	EDB	
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-16	09/02/2003 <sup>7,10</sup>	28.32	21.30	7.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	03/29/2004 <sup>10</sup>	28.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/03/2004 <sup>6</sup>	28.32	20.20	8.12	7,400	140	89	58	139	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-16	03/02/2005 <sup>6</sup>	28.32	19.58	8.74	6,500	74	55	31	69	<1	-	<130	<13	<1	<1	<1	<1	<1
MW-16	09/22/2005 <sup>6</sup>	28.32	19.41	8.91	8,500	60	46	35	64	<3	-	<250	<25	<3	<3	<3	<3	<3
MW-16	03/30/2006 <sup>6</sup>	28.32	19.24	9.08	8,000	110	72	55	111	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-16	08/28/2006 <sup>6</sup>	28.32	19.55	8.77	10,000	210	100	58	152	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-16	03/05/2007 <sup>6</sup>	28.32	19.37	8.95	8,900	330	78	38	122	<1	-	<100	<10	<1	<1	<1	<1	<1
MW-16	09/24/2007 <sup>6</sup>	28.32	20.65	7.67	8,000	310	97	55	131	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-16	03/10/2008 <sup>6</sup>	28.32	20.42	7.90	7,200 <sup>8</sup>	300	100	75	244	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-16	09/12/2008 <sup>6</sup>	28.32	20.85	7.47	7,100	180	95	64	172	<3	-	<250	<25	<3	<3	<3	<3	<3
MW-16	09/24/2009 <sup>6,10</sup>	28.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	03/31/2010 <sup>6,10</sup>	28.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>MW-16</b>	<b>09/21/2010</b>	<b>34.21</b>	<b>20.42</b>	<b>13.79</b>	<b>9,200</b>	<b>41</b>	<b>65</b>	<b>49</b>	<b>90</b>	<b>&lt;0.5</b>	<b>-</b>	<b>&lt;50</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
QA	03/15/2002	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-	-
QA	09/14/2002	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-	-
QA	03/26/2003	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-	-
QA	09/02/2003 <sup>6</sup>	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
QA	03/29/2004 <sup>6</sup>	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
QA	09/03/2004 <sup>6</sup>	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
QA	03/02/2005 <sup>6</sup>	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
QA	09/22/2005 <sup>6</sup>	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
QA	03/30/2006 <sup>6</sup>	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
QA	08/28/2006 <sup>6</sup>	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
QA	03/05/2007 <sup>6</sup>	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-

**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	HYDROCARBONS		PRIMARY VOCS					OXYGENATES					
					TPH-GRO	B	T	E	X	MTBE by SW8260	Total Oil and Grease	ETHANOL	TBA	DIPE	ETBE	TAME	EDB
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
QA	09/24/2007 <sup>6</sup>	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	03/10/2008 <sup>6</sup>	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	09/12/2008 <sup>6</sup>	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	09/24/2009 <sup>6</sup>	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	03/31/2010 <sup>6</sup>	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	09/21/2010	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-1	11/03/1988	29.82	20.40	9.42	<1,000	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-	-
MW-1	02/02/1989	29.82	20.71	9.11	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/10/1989	29.82	-	-	<100	<0.2	<0.2	<0.2	<0.4	-	-	-	-	-	-	-	-
MW-1	04/23/1989	29.82	20.34	9.48	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	04/24/1989	29.82	-	-	<50	<0.5	<1.0	<1.0	<1.0	-	<3,000	-	-	-	-	-	-
MW-1	07/28/1989	29.82	20.58	9.24	<50	<0.1	<0.5	<0.2	<0.5	-	<3,000	-	-	-	-	-	-
MW-1	10/30/1989	29.82	20.52	9.30	<500	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
MW-1	01/09/1990	29.82	20.77	9.05	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
MW-1	04/18/1990	29.82	20.95	8.87	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
MW-1	06/22/1990	29.82	21.00	8.82	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	08/09/1990	29.82	20.94	8.88	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
MW-1	11/13/1990	29.82	20.98	8.84	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-1	05/15/1991	29.82	20.64	9.18	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-1	08/27/1991	29.82	20.79	9.03	110	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-1	11/15/1991	29.82	20.75	9.07	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-1	02/20/1992	29.82	20.90	8.92	<50	0.5	0.6	<0.5	0.9	-	-	-	-	-	-	-	-
MW-1	06/15/1992	29.82	20.64	9.18	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-1	12/16/1992	29.82	20.84	8.98	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-1	04/07/1993	29.82	19.91	9.91	<50	<0.5	<0.5	<0.5	<1.5	-	-	-	-	-	-	-	-

**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	HYDROCARBONS		PRIMARY VOCS					OXYGENATES					
					TPH-GRO	B	T	E	X	MTBE by SW8260	Total Oil and Grease	ETHANOL	TBA	DIPE	ETBE	TAME	EDB
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	06/09/1993	29.82	19.85	9.97	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	09/10/1993	29.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	09/27/1993	29.82	20.35	9.47	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-1	12/17/1993	29.82	20.68	9.14	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-1	03/10/1994	29.82	20.57	9.25	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-1	06/16/1994	29.82	20.55	9.27	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-1	09/07/1994	29.82	20.69	9.13	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-1	11/30/1994	29.82	20.23	9.59	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-1	03/22/1995	29.82	19.45	10.37	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-1	03/23/1995 <sup>12</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/03/1988	30.59	20.89	9.70	<1,000	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-	-
MW-2	02/02/1989	30.59	21.21	9.38	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	02/10/1989	30.59	-	-	<100	<0.2	<0.2	<0.2	<0.4	-	-	-	-	-	-	-	-
MW-2	04/23/1989	30.59	20.82	9.77	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	04/24/1989	30.59	-	-	<50	<0.5	<1.0	<1.0	<1.0	-	<3,000	-	-	-	-	-	-
MW-2	07/28/1989	30.59	21.02	9.57	<100	<0.2	<1.0	<0.2	<0.5	-	<3,000	-	-	-	-	-	-
MW-2	10/30/1989	30.59	20.96	9.63	<500	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
MW-2	01/09/1990	30.59	21.25	9.34	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
MW-2	04/18/1990	30.59	21.53	9.06	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
MW-2	06/22/1990	30.59	21.57	9.02	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	08/09/1990	30.59	21.55	9.04	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
MW-2	11/13/1990	30.59	21.54	9.05	<50	<0.5	0.8	<0.5	0.9	-	-	-	-	-	-	-	-
MW-2	05/15/1991	30.59	21.15	9.44	83	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-2	08/27/1991	30.59	21.27	9.32	97	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-2	11/15/1991	30.59	21.30	9.29	<50	0.5	1.5	0.8	3.6	-	-	-	-	-	-	-	-

**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	HYDROCARBONS		PRIMARY VOCS					OXYGENATES					
					TPH-GRO	B	T	E	X	MTBE by SW8260	Total Oil and Grease	ETHANOL	TBA	DIPE	ETBE	TAME	EDB
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-2	02/20/1992	30.59	21.43	9.13	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-2	06/15/1992	30.59	21.18	9.41	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-2	12/16/1992	30.56	21.47	9.09	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-2	04/07/1993	30.56	20.53	10.03	66	<0.5	<0.5	<0.5	<1.5	-	-	-	-	-	-	-	-
MW-2	06/09/1993	30.56	20.45	10.11	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-2	09/10/1993	30.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	09/27/1993	30.56	20.97	9.59	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/17/1993	30.56	21.31	9.25	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-2	03/10/1994	30.56	21.23	9.33	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-2	06/16/1994	30.56	21.21	9.35	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-2	09/07/1994	30.56	21.34	9.22	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-2	11/30/1994	30.56	20.90	9.66	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-2	03/22/1995	30.56	20.34	10.22	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-2	03/23/1995 <sup>12</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/03/1988	30.09	20.54	9.55	<1,000	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-	-
MW-3	02/02/1989	30.09	20.85	9.24	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	02/10/1989	30.09	-	-	<100	<0.2	<0.2	<0.2	<0.4	-	-	-	-	-	-	-	-
MW-3	04/23/1989	30.09	20.43	9.66	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	04/24/1989	30.09	-	-	<50	<0.5	<1.0	<1.0	<1.0	-	<3,000	-	-	-	-	-	-
MW-3	07/28/1989	30.09	20.64	9.45	<100	<0.2	<1.0	<0.2	<0.4	-	<3,000	-	-	-	-	-	-
MW-3	10/30/1989	30.09	20.61	9.48	<500	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
MW-3	01/09/1990	30.09	20.88	9.21	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
MW-3	04/18/1990	30.09	21.15	8.94	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
MW-3	06/22/1990	30.09	21.20	8.89	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/09/1990	30.09	21.18	8.91	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-

**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	HYDROCARBONS		PRIMARY VOCS					OXYGENATES					
					TPH-GRO	B	T	E	X	MTBE by SW8260	Total Oil and Grease	ETHANOL	TBA	DIPE	ETBE	TAME	EDB
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-3	11/13/1990	30.09	21.15	8.94	51	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-3	05/15/1991	30.09	20.91	9.18	85	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-3	08/27/1991	30.09	20.89	9.20	91	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-3	11/15/1991	30.09	21.02	9.07	<50	<0.5	0.7	<0.5	1.3	-	-	-	-	-	-	-	-
MW-3	02/20/1992	30.09	21.07	9.02	<50	<0.5	<0.5	<0.5	0.9	-	-	-	-	-	-	-	-
MW-3	06/15/1992	30.09	20.82	9.27	50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-3	12/16/1992	30.08	21.07	9.07	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-3	04/07/1993	30.08	20.13	9.95	<50	<0.5	<0.5	<0.5	<1.5	-	-	-	-	-	-	-	-
MW-3	06/09/1993	30.08	20.05	10.03	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-3	09/10/1993	30.08	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-3	09/27/1993	30.08	20.58	9.50	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	12/17/1993	30.08	21.01	9.07	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-3	03/10/1994	30.08	20.86	9.22	<50	<0.5	<0.5	<0.5	1.1	-	-	-	-	-	-	-	-
MW-3	06/16/1994	30.08	20.87	9.21	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-3	09/07/1994	30.08	20.97	9.11	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-3	11/30/1994	30.08	19.63	10.45	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-3	03/22/1995	30.08	19.81	10.27	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-3	03/23/1995 <sup>12</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/27/2001 <sup>14</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	04/23/1989	31.17	21.33	9.84	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	04/24/1989	31.17	-	-	<50	<0.5	<1.0	<1.0	<1.0	-	<3,000	-	-	-	-	-	-
MW-4	07/28/1989	31.17	21.58	9.59	<50	<0.1	<0.5	<0.1	<0.2	-	<3,000	-	-	-	-	-	-
MW-4	10/30/1989	31.17	21.54	9.63	<500	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
MW-4	01/09/1990	31.17	21.82	9.35	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
MW-4	04/18/1990	31.17	22.09	9.08	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-

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**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	HYDROCARBONS		PRIMARY VOCS					OXYGENATES					
					TPH-GRO	B	T	E	X	MTBE by SW8260	Total Oil and Grease	ETHANOL	TBA	DIPE	ETBE	TAME	EDB
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-4	06/22/1990	31.17	22.12	9.05	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	08/09/1990	31.17	22.11	9.06	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
MW-4	11/13/1990	31.17	22.10	9.07	<50	<0.5	1.0	0.5	1.0	-	-	-	-	-	-	-	-
MW-4	05/15/1991	31.17	21.71	9.46	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-4	08/27/1991	31.17	21.87	9.30	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-4	11/15/1991	31.17	21.80	9.37	97	<0.5	0.9	<0.5	1.9	-	-	-	-	-	-	-	-
MW-4	02/20/1992	31.17	21.99	9.18	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-4	06/15/1992	31.17	21.74	9.43	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-4	12/16/1992	31.17	22.05	9.12	<50	0.7	0.5	0.5	1.3	-	-	-	-	-	-	-	-
MW-4	04/07/1993	31.17	21.11	10.06	<50	<0.5	<0.5	<0.5	<1.5	-	-	-	-	-	-	-	-
MW-4	06/09/1993	31.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	09/10/1993	31.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	09/27/1993	31.17	21.54	9.63	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-4	12/17/1993	31.17	21.89	9.28	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-4	03/10/1994	31.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	06/16/1994	31.17	20.54	10.63	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	09/07/1994	31.17	21.90	9.27	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-4	11/30/1994	31.17	21.34	9.83	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-4	03/21/1995	31.17	20.62	10.55	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-4	03/23/1995 <sup>12</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	04/23/1989	30.28	20.62	9.66	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	04/24/1989	30.28	-	-	<50	<0.5	<1.0	<1.0	<1.0	-	<3,000	-	-	-	-	-	-
MW-5	07/28/1989	30.28	20.86	9.42	<100	<0.2	<1.0	<0.2	<0.4	-	<3,000	-	-	-	-	-	-
MW-5	10/30/1989	30.28	20.82	9.46	<500	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
MW-5	01/09/1990	30.28	21.07	9.21	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-



**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	HYDROCARBONS		PRIMARY VOCS					OXYGENATES					
					TPH-GRO	B	T	E	X	MTBE by SW8260	Total Oil and Grease	ETHANOL	TBA	DIPE	ETBE	TAME	EDB
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-5	04/18/1990	30.28	21.35	8.93	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
MW-5	06/22/1990	30.28	21.38	8.90	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/09/1990	30.28	21.36	8.92	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
MW-5	11/13/1990	30.28	21.35	8.93	<50	<0.5	1.0	<0.5	1.0	-	-	-	-	-	-	-	-
MW-5	05/15/1991	30.28	21.29	8.99	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-5	08/27/1991	30.28	21.11	9.17	94	3.0	5.0	1.5	5.5	-	-	-	-	-	-	-	-
MW-5	11/15/1991	30.28	21.18	9.10	<50	0.9	1.7	<0.5	2.2	-	-	-	-	-	-	-	-
MW-5	02/20/1992	30.28	21.25	9.03	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-5	06/15/1992	30.28	21.00	9.28	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-5	12/16/1992	30.28	21.23	9.05	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-5	04/07/1993	30.28	20.31	9.97	<50	<0.5	<0.5	<0.5	<1.5	-	-	-	-	-	-	-	-
MW-5	06/09/1993	30.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/10/1993	30.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/27/1993	30.28	20.76	9.52	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/28/1993 <sup>12</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	04/23/1989	29.46	20.05	9.41	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	04/24/1989	29.46	-	-	<50	<0.5	<1.0	<1.0	<1.0	-	<3.0	-	-	-	-	-	-
MW-6	07/28/1989	29.46	20.30	9.16	<100	<0.2	<1.0	<0.2	<0.4	-	<3.0	-	-	-	-	-	-
MW-6	10/30/1989	29.46	20.32	9.14	<500	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
MW-6	01/09/1990	29.46	20.51	8.95	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
MW-6	04/18/1990	29.46	20.72	8.74	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
MW-6	06/22/1990	29.46	20.77	8.69	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	08/09/1990	29.46	20.74	8.72	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
MW-6	11/13/1990	29.46	20.75	8.71	<50	3.0	5.0	0.5	2.0	-	-	-	-	-	-	-	-
MW-6	05/15/1991	29.46	20.61	8.85	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-

**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	HYDROCARBONS		PRIMARY VOCS					OXYGENATES					
					TPH-GRO	B	T	E	X	MTBE by SW8260	Total Oil and Grease	ETHANOL	TBA	DIPE	ETBE	TAME	EDB
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-6	08/27/1991	29.46	20.53	8.93	180	6.1	12	3.8	14	-	-	-	-	-	-	-	-
MW-6	11/15/1991	29.46	20.53	8.93	<50	<0.5	0.6	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-6	02/20/1992	29.46	20.69	8.77	<50	0.9	1.1	<0.5	1.4	-	-	-	-	-	-	-	-
MW-6	06/15/1992	29.46	20.38	9.08	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-6	12/16/1992	29.45	20.57	8.88	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-6	04/07/1993	29.45	19.59	9.86	<50	<0.5	<0.5	<0.5	<1.5	-	-	-	-	-	-	-	-
MW-6	06/09/1993	29.45	19.50	9.95	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-6	09/10/1993	29.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/27/1993	29.45	20.07	9.38	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/28/1993 <sup>12</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	04/23/1989	29.01	18.99	10.02	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	04/24/1989 <sup>15</sup>	29.01	-	-	8,400	100	260	160	1,300	-	<3.0	-	-	-	-	-	-
MW-7	07/28/1989	29.01	19.94	9.07	7,000/6,000	280/230	180/90	58/70	430/440	-	<3,000	-	-	-	-	-	-
MW-7	10/30/1989	29.01	19.97	9.04	9,900/10,000	520/570	55/82	180/160	400/410	-	-	-	-	-	-	-	-
MW-7	01/09/1990	29.01	20.15	8.86	3,400	290	72	9.0	200	-	-	-	-	-	-	-	-
MW-7	04/18/1990	29.01	20.37	8.64	6,800	350	140	110	400	-	-	-	-	-	-	-	-
MW-7	06/22/1990	29.01	20.40	8.61	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	08/09/1990	29.01	20.38	8.63	11,000	360	130	14	660	-	-	-	-	-	-	-	-
MW-7	11/13/1990	29.01	20.41	8.60	6,500	230	110	97	460	-	-	-	-	-	-	-	-
MW-7	05/15/1991	29.01	20.47	8.54	4,600	180	55	46	300	-	-	-	-	-	-	-	-
MW-7	08/27/1991	29.01	20.14	8.87	7,000	220	53	63	340	-	-	-	-	-	-	-	-
MW-7	11/15/1991	29.01	20.22	8.79	3,300	150	19	4.9	200	-	-	-	-	-	-	-	-
MW-7	02/20/1992	29.01	20.32	8.69	5,200	520	150	100	380	-	-	-	-	-	-	-	-
MW-7	06/15/1992	29.01	19.98	9.03	10,000	760	430	320	1,100	-	-	-	-	-	-	-	-
MW-7	12/16/1992	29.01	20.14	8.87	11,000	810	350	280	1,100	-	-	-	-	-	-	-	-

**TABLE 1  
GROUNDWATER MONITORING AND SAMPLING DATA  
FORMER CHEVRON SERVICE STATION 9-0020  
17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	HYDROCARBONS		PRIMARY VOCS					OXYGENATES					
					TPH-GRO	B	T	E	X	MTBE by SW8260	Total Oil and Grease	ETHANOL	TBA	DIPE	ETBE	TAME	EDB
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-7	04/07/1993	29.01	19.14	9.87	150	1.4	0.9	0.9	4.5	-	-	-	-	-	-	-	-
MW-7	06/09/1993	29.01	19.05	9.96	180	4.0	1.0	1.0	3.0	-	-	-	-	-	-	-	-
MW-7	09/10/1993	29.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/27/1993	29.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	12/17/1993	29.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/10/1994	29.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	06/16/1994	29.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/07/1994	29.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	11/30/1994 <sup>10</sup>	29.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	01/17/1995	29.01	17.39	11.62	2,700	140	65	44	200	-	-	-	-	-	-	-	-
MW-7	03/22/1995	29.01	17.68	11.33	160	3.4	<0.5	1.1	0.77	-	-	-	-	-	-	-	-
MW-7	06/27/1995	29.01	19.26	9.75	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-7	09/28/1995	29.01	19.34	9.67	1,500	84	24	26	130	-	-	-	-	-	-	-	-
MW-7	12/30/1995	29.01	19.16	9.85	200	1.6	<0.5	1.3	5.9	5.5	-	-	-	-	-	-	-
MW-7	02/28/1996	29.01	18.44	10.57	650	14	1.3	4.2	16	34	-	-	-	-	-	-	-
MW-7	06/27/1996	29.01	18.72	10.29	640	140	10	9.8	14	55	-	-	-	-	-	-	-
MW-7	09/13/1996	29.01	19.40	9.61	1,400	100	30	24	66	130	-	-	-	-	-	-	-
MW-7	12/16/1996	29.01	20.10	8.91	2,600	140	72	51	180	<50	-	-	-	-	-	-	-
MW-7	03/20/1997	29.01	18.95	10.06	64	1.7	2.4	<0.5	0.67	<2.5	-	-	-	-	-	-	-
MW-7	09/08/1997	29.01	19.67	9.34	590	45	<1.0	7.7	<1.0	46	-	-	-	-	-	-	-
MW-7	02/16/1998	29.01	18.60	10.41	120	8.7	7.5	1.9	11	4.4	-	-	-	-	-	-	-
MW-7	08/25/1998	29.01	19.40	9.61	160	6.2	33	0.84	2.0	<2.5	-	-	-	-	-	-	-
MW-7	03/09/1999	29.01	16.00	13.01	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
MW-7	09/29/1999	29.01	16.89	12.12	276	35.1	2.54	2.17	5.43	<5.0/<2.0 <sup>1</sup>	-	-	-	-	-	-	-
MW-7	03/27/2000	29.01	19.59	9.42	721	38.5	1.06	6.31	9.38	7.75	-	-	-	-	-	-	-
MW-7	09/18/2000 <sup>3</sup>	29.01	20.02	8.99	88 <sup>4</sup>	2.5	0.92	<0.50	1.3	8.7	-	-	-	-	-	-	-

**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	HYDROCARBONS		PRIMARY VOCS					OXYGENATES					
					TPH-GRO	B	T	E	X	MTBE by SW8260	Total Oil and Grease	ETHANOL	TBA	DIPE	ETBE	TAME	EDB
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-7	03/27/2001 <sup>3</sup>	29.01	19.85	9.16	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-
MW-7	09/05/2001 <sup>3</sup>	29.01	20.41	8.60	220	1.9	2.3	<0.50	<3.0	<2.5	-	-	-	-	-	-	-
MW-7	03/15/2002 <sup>3,11</sup>	29.01	19.85	9.16	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/14/2002 <sup>3</sup>	29.01	20.29	8.72	69	2.2	0.85	<0.50	<1.5	<2.5	-	-	-	-	-	-	-
MW-7	03/26/2003 <sup>3</sup>	29.01	20.12	8.89	78	<0.50	0.68	<0.50	<1.5	<2.5	-	-	-	-	-	-	-
MW-7	09/02/2003 <sup>6,7</sup>	29.01	21.02	7.99	76	<0.5	<0.7	<0.8	<1.6	<0.5	-	<50	<5	<0.5	<0.5	<0.8	<1
MW-7	03/29/2004 <sup>6</sup>	29.01	18.88	10.13	160	1	<0.5	0.5	0.6	1	-	<50	9	<0.5	<0.5	<0.5	2
MW-7	09/03/2004 <sup>6</sup>	29.01	19.49	9.52	110	2	1	0.8	0.8	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-7	03/02/2005 <sup>6</sup>	29.01	13.42	15.59	850	3	0.9	6	1	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-7	09/22/2005 <sup>6</sup>	29.01	18.88	10.13	490	29	5	14	4.9	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-7	03/30/2006 <sup>6</sup>	29.01	18.13	10.88	1,400	51	9	26	10	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-7	08/28/2006 <sup>6</sup>	29.01	18.85	10.16	1,300	53	12	21	16	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-7	03/05/2007 <sup>6</sup>	29.01	18.25	10.76	1,800	66	16	17	19	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-7	09/24/2007 <sup>6</sup>	29.01	19.90	9.11	1,700	76	21	19	24	<0.5	-	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-7	09/25/2007 <sup>13</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	04/23/1989	29.57	20.14	9.43	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	04/24/1989 <sup>1</sup>	29.57	-	-	<50/<50	<0.5/<0.5	<1.0/<1.0	<1.0/<1.0	<1.0/<1.0	-	3,000	-	-	-	-	-	-
MW-8	07/28/1989	29.57	20.37	9.20	<100	<0.2	<1.0	<0.2	<0.4	-	<3,000	-	-	-	-	-	-
MW-8	10/30/1989	29.57	20.32	9.25	<500	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
MW-8	01/09/1990	29.57	20.60	8.97	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
MW-8	04/18/1990	29.57	20.87	8.70	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
MW-8	06/22/1990	29.57	20.34	9.23	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	08/09/1990	29.57	20.89	8.68	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
MW-8	11/13/1990	29.57	20.86	8.71	<50	<0.5	0.8	<0.5	2.0	-	-	-	-	-	-	-	-
MW-8	05/15/1991	29.57	20.49	9.08	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-

**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	HYDROCARBONS		PRIMARY VOCS					OXYGENATES						
					TPH-GRO	B	T	E	X	MTBE by SW8260	Total Oil and Grease	ETHANOL	TBA	DIPE	ETBE	TAME	EDB	
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-8	08/27/1991	29.57	20.60	8.97	73	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
MW-8	11/15/1991	29.57	20.62	8.95	<50	<0.5	0.7	<0.5	2.1	-	-	-	-	-	-	-	-	-
MW-8	02/20/1992	29.57	20.80	8.77	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
MW-8	06/15/1992	29.57	20.48	9.09	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
MW-8	12/16/1992	29.57	20.68	8.89	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
MW-8	04/07/1993	29.57	19.70	9.87	<50	<0.5	<0.5	<0.5	<1.5	-	-	-	-	-	-	-	-	-
MW-8	06/09/1993	29.57	19.60	9.97	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
MW-8	09/10/1993	29.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	09/27/1993	29.57	20.22	9.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	09/28/1993 <sup>12</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	06/22/1990	28.60	20.48	8.12	<50	<0.5	<0.5	<0.5	<0.5	-	<1,000	-	-	-	-	-	-	-
MW-10	08/09/1990	28.60	20.45	8.15	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-	-
MW-10	11/13/1990	28.60	20.47	8.13	<50	<0.5	2.0	0.5	2.0	-	-	-	-	-	-	-	-	-
MW-10	05/15/1991	28.60	20.15	8.45	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
MW-10	08/27/1991	28.60	20.27	8.33	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
MW-10	11/15/1991	28.60	20.33	8.27	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
MW-10	02/20/1992	28.60	21.45	7.15	<50	2.0	2.2	<0.5	2.1	-	-	-	-	-	-	-	-	-
MW-10	06/15/1992	28.60	21.30	7.30	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
MW-10	12/16/1992	28.62	20.17	8.45	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
MW-10	04/07/1993	28.62	19.26	9.41	<50	<0.5	<0.5	<0.5	<1.5	-	-	-	-	-	-	-	-	-
MW-10	06/09/1993	28.62	19.07	9.55	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
MW-10	09/10/1993	28.62	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
MW-10	09/24/1993	28.62	19.72	8.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	12/17/1993	28.62	20.07	8.55	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
MW-10	03/10/1994	28.62	19.97	8.65	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-

**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	HYDROCARBONS	PRIMARY VOCS					OXYGENATES						
					TPH-GRO	B	T	E	X	MTBE by SW8260	Total Oil and Grease	ETHANOL	TBA	DIPE	ETBE	TAME	EDB
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-10	06/16/1994	28.62	19.98	8.64	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-10	09/07/1994	28.62	20.12	8.50	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-10	11/30/1994	28.62	19.70	8.92	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-10	03/22/1995	28.62	18.92	9.70	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-10	03/23/1995 <sup>12</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	06/22/1990	29.37	21.03	8.34	<50	<0.5	<0.5	<0.5	<0.5	-	<1,000	-	-	-	-	-	-
MW-11	08/09/1990	29.37	21.02	8.35	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
MW-11	11/13/1990	29.37	20.93	8.44	76	0.6	1.0	0.9	4.0	-	-	-	-	-	-	-	-
MW-11	05/15/1991	29.37	20.61	8.76	78	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-11	08/27/1991	29.37	20.70	8.67	110	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-11	11/15/1991	29.37	20.68	8.69	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-11	02/20/1992	29.37	21.91	7.46	<50	1.9	2.1	1.0	4.4	-	-	-	-	-	-	-	-
MW-11	06/15/1992	29.37	20.56	8.81	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	12/16/1992	29.39	20.75	8.64	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-11	04/07/1993	29.39	19.83	9.56	<50	<0.5	<0.5	<0.5	<1.5	-	-	-	-	-	-	-	-
MW-11	06/09/1993	29.39	19.67	9.72	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-11	09/10/1993	29.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	09/27/1993	29.39	20.33	9.06	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-11	12/17/1993	29.39	20.73	8.66	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-11	03/10/1994	29.39	20.69	8.70	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	06/16/1994	29.39	20.56	8.83	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-11	06/17/1994 <sup>12</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	06/22/1990	28.43	20.45	7.98	<50	<0.5	<0.5	<0.5	<0.5	-	<1,000	-	-	-	-	-	-
MW-12	08/09/1990	28.43	20.43	8.00	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-



**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	HYDROCARBONS		PRIMARY VOCS					OXYGENATES					
					TPH-GRO	B	T	E	X	MTBE by SW8260	Total Oil and Grease	ETHANOL	TBA	DIPE	ETBE	TAME	EDB
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-12	11/13/1990	28.43	20.45	7.98	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-12	05/15/1991	28.43	20.07	8.36	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-12	08/27/1991	28.43	20.15	8.28	56	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-12	11/15/1991	28.43	20.25	8.18	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-12	02/20/1992	28.43	21.37	7.06	<50	2.5	3.1	0.7	3.0	-	-	-	-	-	-	-	-
MW-12	06/15/1992	28.43	19.90	8.53	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-12	12/16/1992	28.43	19.80	8.63	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-12	04/07/1993	28.43	18.75	9.68	<50	<0.5	<0.5	<0.5	<1.5	-	-	-	-	-	-	-	-
MW-12	06/09/1993	28.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	09/10/1993	28.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	09/27/1993	28.43	19.63	8.80	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	09/28/1993 <sup>12</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14	11/15/1991	29.46	20.33	9.13	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-14	02/20/1992	29.46	21.41	8.05	<50	1.3	1.8	1.1	5.2	-	-	-	-	-	-	-	-
MW-14	06/15/1992	29.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14	12/16/1992	29.45	20.66	8.79	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-14	04/07/1993	29.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14	06/09/1993	29.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14	09/10/1993	29.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14	09/27/1993	29.45	20.26	9.19	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14	09/28/1993 <sup>12</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	11/03/1988	-	-	-	-	<1.0	<1.0	<1.0	<1.0	-	-	-	-	-	-	-	-
Trip Blank	02/10/1989	-	-	-	<50	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	-
Trip Blank	04/24/1989	-	-	-	<50	<0.5	<0.5	<1.0	<1.0	-	-	-	-	-	-	-	-

**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	HYDROCARBONS		PRIMARY VOCS					OXYGENATES					
					TPH-GRO	B	T	E	X	MTBE by SW8260	Total Oil and Grease	ETHANOL	TBA	DIPE	ETBE	TAME	EDB
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Trip Blank	07/28/1989	-	-	-	<50	<0.1	<0.1	<0.1	<0.2	-	-	-	-	-	-	-	-
Trip Blank	10/30/1989	-	-	-	<500	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
Trip Blank	01/09/1990	-	-	-	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
Trip Blank	04/18/1990	-	-	-	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
Trip Blank	06/22/1990	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	08/09/1990	-	-	-	<50	<0.3	<0.3	<0.3	<0.6	-	-	-	-	-	-	-	-
Trip Blank	11/13/1990	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	05/15/1991	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	08/27/1991	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	11/15/1991	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	02/20/1992	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	06/15/1992	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	12/16/1992	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	04/07/1993	-	-	-	<50	<0.5	<0.5	<0.5	<1.5	-	-	-	-	-	-	-	-
Trip Blank	06/09/1993	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	09/10/1993	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	09/27/1993	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	12/17/1993	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	03/10/1994	-	-	-	<50	<0.5	0.6	<0.5	0.6	-	-	-	-	-	-	-	-
Trip Blank	06/16/1994	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	09/07/1994	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	11/30/1994	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	01/17/1995	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	03/22/1995	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	06/27/1995	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	09/28/1995	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-

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**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	HYDROCARBONS	PRIMARY VOCS					OXYGENATES						
					TPH-GRO	B	T	E	X	MTBE by SW8260	Total Oil and Grease	ETHANOL	TBA	DIPE	ETBE	TAME	EDB
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Trip Blank	12/30/1995	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	02/28/1996	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
Trip Blank	06/27/1996	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-	-
Trip Blank	09/13/1996	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	12/16/1996	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
Trip Blank	03/20/1997	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
Trip Blank	09/08/1997	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
Trip Blank	02/16/1998	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
Trip Blank	08/25/1998	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
Trip Blank	03/09/1999	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
Trip Blank	09/29/1999	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-	-
Trip Blank	03/27/2000	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
Trip Blank	09/18/2000	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-
Trip Blank	03/27/2001	-	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	-	-	-	-	-	-	-
Trip Blank	09/05/2001	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-

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**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	VOCS														
		TOC	DTW	GWE	1,1-DCE	MC	1,1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-9	06/22/1990	28.67	20.80	7.87	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
MW-9	08/09/1990	28.67	20.74	7.93	<0.5	-	-	-	<0.5	<0.5	<0.5	0.71	<0.5	<0.5	<0.5	<0.5
MW-9	11/13/1990	28.67	20.78	7.89	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	1.0	<0.5	<0.5	-	<0.5
MW-9	05/15/1991	28.67	20.48	8.19	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	-	<0.5
MW-9	08/27/1991	28.67	20.55	8.12	<0.5	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
MW-9	11/15/1991	28.67	20.57	8.10	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	-	<0.5
MW-9	02/20/1992	28.67	21.77	6.90	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
MW-9	06/15/1992	28.67	20.37	8.30	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
MW-9	12/16/1992	28.68	20.29	8.39	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	04/07/1993	28.68	19.32	9.36	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	06/09/1993	28.68	19.16	9.52	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/10/1993	28.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/27/1993	28.68	19.94	8.74	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	12/17/1993	28.68	20.31	8.37	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	03/10/1994	28.68	20.30	8.38	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	06/16/1994	28.68	20.26	8.42	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/07/1994	28.68	20.41	8.27	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	11/30/1994	28.68	19.98	8.70	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	03/22/1995	28.68	19.41	9.27	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	06/27/1995	28.68	19.40	9.28	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/28/1995	28.68	19.55	9.13	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	12/30/1995	28.68	19.80	8.88	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	02/28/1996	28.68	19.75	8.93	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	06/27/1996	28.68	19.55	9.13	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/13/1996	28.68	19.82	8.86	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	12/16/1996	28.68	20.77	7.91	-	-	-	-	-	-	-	-	-	-	-	-

**TABLE 1  
GROUNDWATER MONITORING AND SAMPLING DATA  
FORMER CHEVRON SERVICE STATION 9-0020  
17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	VOCS														
		TOC	DTW	GWE	1,1-DCE	MC	1,1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE
		Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-9	03/20/1997	28.68	19.40	9.28	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/08/1997	28.68	20.09	8.59	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	02/16/1998	28.68	19.23	9.45	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	08/25/1998	28.68	19.50	9.18	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	03/09/1999	28.68	19.81	8.87	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	07/19/1999 <sup>2</sup>	28.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/29/1999	28.68	20.41	8.27	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	03/27/2000 <sup>10</sup>	28.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/18/2000 <sup>3</sup>	28.68	20.05	8.63	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	03/27/2001 <sup>3</sup>	28.68	19.84	8.84	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/05/2001 <sup>3</sup>	28.68	20.29	8.39	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	03/15/2002 <sup>3</sup>	28.68	20.61	8.07	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/14/2002 <sup>3</sup>	28.68	20.06	8.62	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	03/26/2003 <sup>3</sup>	28.68	19.97	8.71	-	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/02/2003 <sup>6,7</sup>	28.68	20.86	7.82	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-9	03/29/2004 <sup>6</sup>	28.68	19.14	9.54	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.8	<1	<1	-	<0.8
MW-9	09/03/2004 <sup>6</sup>	28.68	19.77	8.91	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-9	03/02/2005 <sup>6</sup>	28.68	19.11	9.57	<0.5	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-9	09/22/2005 <sup>6</sup>	28.68	19.01	9.67	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-9	03/30/2006 <sup>6</sup>	28.68	18.66	10.02	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-9	08/28/2006 <sup>6</sup>	28.68	19.25	9.43	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-9	03/05/2007 <sup>6</sup>	28.68	18.79	9.89	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-9	09/24/2007 <sup>6</sup>	28.68	20.70	7.98	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-9	03/10/2008 <sup>6</sup>	28.68	19.86	8.82	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-9	09/12/2008 <sup>6</sup>	28.68	20.45	8.23	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-9	09/24/2009 <sup>6</sup>	28.68	20.47	8.21	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8

**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	VOCS														
		TOC	DTW	GWE	1,1-DCE	MC	1,1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE
		Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-9	03/31/2010 <sup>6</sup>	28.68	19.92	8.76	<1	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-9	09/21/2010	34.56	19.95	14.61	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	11/15/1991 <sup>16</sup>	28.63	21.07	7.56	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5
MW-13	02/20/1992	28.63	22.17	6.46	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5
MW-13	06/15/1992	28.63	20.67	7.96	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	<0.5
MW-13	12/16/1992	28.62	20.34	8.28	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	04/07/1993	28.62	19.41	9.21	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	06/09/1993	28.62	19.20	9.42	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	09/10/1993	28.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	09/27/1993	28.62	20.35	8.27	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	12/17/1993	28.62	20.76	7.86	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	03/10/1994	28.62	20.69	7.93	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	06/16/1994	28.62	20.67	7.95	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	09/07/1994	28.62	20.83	7.79	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	11/30/1994	28.62	20.41	8.21	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	03/22/1995	28.62	19.82	8.80	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	06/27/1995	28.62	19.76	8.86	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	09/28/1995	28.62	20.04	8.58	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	12/30/1995	28.62	20.30	8.32	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	02/28/1996	28.62	19.89	8.73	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	06/27/1996	28.62	19.98	8.64	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	09/13/1996	28.62	20.28	8.34	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	12/16/1996	28.62	20.47	8.15	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	03/20/1997	28.62	19.90	8.72	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	09/08/1997	28.62	20.49	8.13	-	-	-	-	-	-	-	-	-	-	-	-

**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	VOCS														
		TOC	DTW	GWE	1,1-DCE	MC	1,1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE
		Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-13	02/16/1998	28.62	19.75	8.87	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	08/25/1998	28.62	20.02	8.60	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	03/09/1999	28.62	20.00	8.62	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	09/29/1999	28.62	20.49	8.13	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	03/27/2000	28.62	20.04	8.58	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	09/18/2000	28.62	20.49	8.13	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	03/27/2001	28.62	20.28	8.34	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	09/05/2001	28.62	20.66	7.96	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	03/15/2002	28.62	20.10	8.52	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	09/14/2002	28.62	20.46	8.16	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	03/26/2003	28.62	20.42	8.20	-	-	-	-	-	-	-	-	-	-	-	-
MW-13	09/02/2003 <sup>6</sup>	28.62	21.35	7.27	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-13	03/29/2004 <sup>6</sup>	28.62	19.66	8.96	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-13	09/03/2004 <sup>6</sup>	28.62	20.14	8.48	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-13	03/02/2005 <sup>6</sup>	28.62	19.51	9.11	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-13	09/22/2005 <sup>6</sup>	28.62	19.29	9.33	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-13	03/30/2006 <sup>6</sup>	28.62	19.10	9.52	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-13	08/28/2006 <sup>6</sup>	28.62	19.54	9.08	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-13	03/05/2007 <sup>6</sup>	28.62	19.18	9.44	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-13	09/24/2007 <sup>6</sup>	28.62	20.70	7.92	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-13	03/10/2008 <sup>6</sup>	28.62	20.21	8.41	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-13	09/12/2008 <sup>6</sup>	28.62	20.88	7.74	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-13	09/24/2009 <sup>6,9</sup>	28.62	20.90	7.72	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-13	03/31/2010 <sup>6</sup>	28.62	20.23	8.39	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
<b>MW-13</b>	<b>09/21/2010</b>	<b>34.54</b>	<b>20.44</b>	<b>14.10</b>	-	-	-	-	-	-	-	-	-	-	-	-

**TABLE 1  
GROUNDWATER MONITORING AND SAMPLING DATA  
FORMER CHEVRON SERVICE STATION 9-0020  
17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	VOCS														
		TOC	DTW	GWE	1,1-DCE	MC	1,1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-15	12/16/1992	28.04	19.74	8.30	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	04/07/1993	28.04	18.80	9.24	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	06/09/1993	28.04	18.60	9.44	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	09/10/1993	28.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	09/27/1993	28.04	19.93	8.11	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	12/17/1993	28.04	20.32	7.72	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	03/10/1994	28.04	20.29	7.75	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	06/16/1994	28.04	20.31	7.73	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	09/07/1994	28.04	20.43	7.61	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	11/30/1994	28.04	20.01	8.03	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	03/22/1995	28.04	19.47	8.57	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	06/27/1995	28.04	19.34	8.70	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	09/28/1995	28.04	19.66	8.38	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	12/30/1995	28.04	19.94	8.10	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	02/28/1996	28.04	19.63	8.41	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	06/27/1996	28.04	19.60	8.44	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	09/13/1996	28.04	19.90	8.14	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	12/16/1996	28.04	20.23	7.81	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	03/20/1997	28.04	19.52	8.52	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	09/08/1997	28.04	20.18	7.86	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	02/16/1998	28.04	19.37	8.67	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	08/25/1998	28.04	19.70	8.34	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	03/09/1999	28.04	19.69	8.35	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	09/29/1999	28.04	20.12	7.92	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	03/27/2000	28.04	19.67	8.37	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	09/18/2000	28.04	20.13	7.91	-	-	-	-	-	-	-	-	-	-	-	-



**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	VOCS														
		TOC	DTW	GWE	1,1-DCE	MC	1,1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-15	03/27/2001	28.04	19.91	8.13	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	09/05/2001	28.04	20.28	7.76	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	03/15/2002	28.04	19.71	8.33	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	09/14/2002	28.04	20.10	7.94	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	03/26/2003	28.04	20.05	7.99	-	-	-	-	-	-	-	-	-	-	-	-
MW-15	09/02/2003 <sup>6</sup>	28.04	20.92	7.12	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-15	03/29/2004 <sup>6</sup>	28.04	19.31	8.73	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-15	09/03/2004 <sup>6</sup>	28.04	19.73	8.31	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-15	03/02/2005 <sup>6</sup>	28.04	19.11	8.93	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-15	09/22/2005 <sup>6</sup>	28.04	18.85	9.19	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-15	03/30/2006 <sup>6</sup>	28.04	18.75	9.29	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-15	08/28/2006 <sup>6</sup>	28.04	19.12	8.92	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-15	03/05/2007 <sup>6</sup>	28.04	18.85	9.19	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-15	09/24/2007 <sup>6</sup>	28.04	20.33	7.71	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-15	03/10/2008 <sup>6</sup>	28.04	19.87	8.17	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-15	09/12/2008 <sup>6</sup>	28.04	20.50	7.54	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-15	09/24/2009 <sup>6</sup>	28.04	20.47	7.57	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-15	03/31/2010 <sup>6</sup>	28.04	19.85	8.19	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
<b>MW-15</b>	<b>09/21/2010</b>	<b>33.94</b>	<b>20.10</b>	<b>13.84</b>	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	12/16/1992	28.32	19.58	8.74	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	12/21/1992	28.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	04/07/1993	28.32	18.41	9.91	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	06/09/1993	28.32	18.25	10.07	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/10/1993	28.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/27/1993	28.32	20.16	8.16	-	-	-	-	-	-	-	-	-	-	-	-

**TABLE 1  
GROUNDWATER MONITORING AND SAMPLING DATA  
FORMER CHEVRON SERVICE STATION 9-0020  
17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	VOCS														
		TOC	DTW	GWE	1,1-DCE	MC	1,1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-16	12/17/1993	28.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	03/10/1994	28.32	20.55	7.77	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	06/16/1994	28.32	20.65	7.67	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/07/1994	28.32	20.73	7.59	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	11/30/1994	28.32	20.28	8.04	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	03/22/1995	28.32	19.67	8.65	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	06/27/1995	28.32	19.60	8.72	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/28/1995 <sup>10</sup>	28.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	12/30/1995	28.32	20.26	8.06	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	02/28/1996	28.32	19.84	8.48	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	06/27/1996	28.32	19.87	8.45	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/13/1996	28.32	20.15	8.17	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	12/16/1996	28.32	20.79	7.53	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	03/20/1997	28.32	19.80	8.52	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/08/1997	28.32	20.35	7.97	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	02/16/1998	28.32	19.92	8.40	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	08/25/1998	28.32	20.20	8.12	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	03/09/1999	28.32	20.17	8.15	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/29/1999	28.32	20.55	7.77	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	03/27/2000 <sup>10</sup>	28.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/18/2000 <sup>3,10</sup>	28.32	20.47	7.85	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	03/27/2001 <sup>10</sup>	28.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/05/2001 <sup>3</sup>	28.32	19.62	8.70	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	03/15/2002 <sup>3</sup>	28.32	20.04	8.28	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/14/2002 <sup>3</sup>	28.32	20.48	7.84	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	03/26/2003 <sup>3</sup>	28.32	20.41	7.91	-	-	-	-	-	-	-	-	-	-	-	-

**TABLE 1  
GROUNDWATER MONITORING AND SAMPLING DATA  
FORMER CHEVRON SERVICE STATION 9-0020  
17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	VOCS														
		TOC	DTW	GWE	1,1-DCE	MC	1,1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-16	09/02/2003 <sup>7,10</sup>	28.32	21.30	7.02	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	03/29/2004 <sup>10</sup>	28.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	09/03/2004 <sup>6</sup>	28.32	20.20	8.12	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-16	03/02/2005 <sup>6</sup>	28.32	19.58	8.74	<2	<5	<2	<2	<2	<2	<3	<1	<3	<3	-	<2
MW-16	09/22/2005 <sup>6</sup>	28.32	19.41	8.91	<4	<10	<4	<4	<4	<4	<5	<3	<5	<5	-	<4
MW-16	03/30/2006 <sup>6</sup>	28.32	19.24	9.08	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-16	08/28/2006 <sup>6</sup>	28.32	19.55	8.77	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-16	03/05/2007 <sup>6</sup>	28.32	19.37	8.95	<2	<4	<2	<2	<2	<2	<2	<1	<2	<2	-	<2
MW-16	09/24/2007 <sup>6</sup>	28.32	20.65	7.67	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	9	-	<0.8
MW-16	03/10/2008 <sup>6</sup>	28.32	20.42	7.90	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-16	09/12/2008 <sup>6</sup>	28.32	20.85	7.47	<4	<10	<4	<4	<4	<4	<5	<3	<5	<5	-	<4
MW-16	09/24/2009 <sup>6,10</sup>	28.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16	03/31/2010 <sup>6,10</sup>	28.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>MW-16</b>	<b>09/21/2010</b>	<b>34.21</b>	<b>20.42</b>	<b>13.79</b>	-	-	-	-	-	-	-	-	-	-	-	-
QA	03/15/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	09/14/2002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	03/26/2003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	09/02/2003 <sup>6</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	03/29/2004 <sup>6</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	09/03/2004 <sup>6</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	03/02/2005 <sup>6</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	09/22/2005 <sup>6</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	03/30/2006 <sup>6</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	08/28/2006 <sup>6</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	03/05/2007 <sup>6</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	VOCS														
		TOC	DTW	GWE	1,1-DCE	MC	1,1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE
		Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
QA	09/24/2007 <sup>6</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	03/10/2008 <sup>6</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	09/12/2008 <sup>6</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	09/24/2009 <sup>6</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	03/31/2010 <sup>6</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QA	<b>09/21/2010</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/03/1988	29.82	20.40	9.42	-	-	<1.0	-	7.0	<1.0	18	<1.0	<1.0	-	-	<1.0
MW-1	02/02/1989	29.82	20.71	9.11	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	02/10/1989	29.82	-	-	-	-	<0.2	<0.2	6.0	<0.2	17	<0.2	<0.2	-	-	<0.2
MW-1	04/23/1989	29.82	20.34	9.48	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	04/24/1989	29.82	-	-	-	-	-	-	6.0	<1.0	16	<1.0	<1.0	-	<1.0	<1.0
MW-1	07/28/1989	29.82	20.58	9.24	-	-	<0.1	<0.1	6.4	0.3	20	<0.1	<0.1	-	-	<0.1
MW-1	10/30/1989	29.82	20.52	9.30	-	-	-	-	4.9	<0.5	11	<0.5	<0.5	-	<0.5	<0.5
MW-1	01/09/1990	29.82	20.77	9.05	-	-	-	-	7.2	<0.5	24	<0.5	<0.5	-	<0.5	<0.5
MW-1	04/18/1990	29.82	20.95	8.87	<0.5	-	-	-	5.5	1.4	23	<0.5	<0.5	<0.5	<0.5	<0.5
MW-1	06/22/1990	29.82	21.00	8.82	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	08/09/1990	29.82	20.94	8.88	<0.5	-	-	-	11	<0.5	32	<0.5	<0.5	<0.5	<0.5	0.7
MW-1	11/13/1990	29.82	20.98	8.84	<0.5	-	<0.5	<0.5	7.0	<0.5	24	<0.5	<0.5	<0.5	-	60.7
MW-1	05/15/1991	29.82	20.64	9.18	<0.5	-	<0.5	<0.5	5.0	<0.5	15	<0.5	<0.5	<0.5	-	<0.5
MW-1	08/27/1991	29.82	20.79	9.03	<0.5	-	-	<0.5	4.2	<0.5	18	<0.5	<0.5	<0.5	-	<0.5
MW-1	11/15/1991	29.82	20.75	9.07	<0.5	-	<0.5	<0.5	7.9	<0.5	21	<0.5	<0.5	<0.5	-	<0.5
MW-1	02/20/1992	29.82	20.90	8.92	<0.5	-	<0.5	<0.5	7.5	<0.5	24	<0.5	<0.5	<0.5	-	<0.5
MW-1	06/15/1992	29.82	20.64	9.18	<0.5	-	<0.5	<0.5	3.2	<0.5	10	<0.5	<0.5	<0.5	-	<0.5
MW-1	12/16/1992	29.82	20.84	8.98	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	04/07/1993	29.82	19.91	9.91	-	-	-	-	-	-	-	-	-	-	-	-

**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	VOCS														
		TOC	DTW	GWE	1,1-DCE	MC	1,1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	06/09/1993	29.82	19.85	9.97	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	09/10/1993	29.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	09/27/1993	29.82	20.35	9.47	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	12/17/1993	29.82	20.68	9.14	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	03/10/1994	29.82	20.57	9.25	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	06/16/1994	29.82	20.55	9.27	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	09/07/1994	29.82	20.69	9.13	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/30/1994	29.82	20.23	9.59	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	03/22/1995	29.82	19.45	10.37	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	03/23/1995 <sup>12</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/03/1988	30.59	20.89	9.70	-	-	10	-	2.0	<1.0	3.0	<1.0	3.0	-	-	34
MW-2	02/02/1989	30.59	21.21	9.38	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	02/10/1989	30.59	-	-	-	-	<0.2	6.3	1.0	<0.2	1.4	<0.2	<0.2	-	-	17.2
MW-2	04/23/1989	30.59	20.82	9.77	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	04/24/1989	30.59	-	-	-	-	-	-	2.0	<1.0	2.0	<1.0	3.0	-	9.0	38
MW-2	07/28/1989	30.59	21.02	9.57	-	-	<0.2	<0.2	2.0	<0.2	3.7	<0.2	2.6	-	-	46
MW-2	10/30/1989	30.59	20.96	9.63	-	-	-	-	2.6	<0.5	1.4	<0.5	1.1	-	14	53
MW-2	01/09/1990	30.59	21.25	9.34	-	-	-	-	3.9	<0.5	3.6	<0.5	5.3	-	16	78
MW-2	04/18/1990	30.59	21.53	9.06	<0.5	-	-	-	2.7	<0.5	1.5	<0.5	3.9	<0.5	19	130
MW-2	06/22/1990	30.59	21.57	9.02	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	08/09/1990	30.59	21.55	9.04	<0.5	-	-	-	2.1	<0.5	2.1	<0.5	6.1	<0.5	15	74
MW-2	11/13/1990	30.59	21.54	9.05	<0.5	-	<0.5	10	2.0	<0.5	<0.5	<0.5	4.0	<0.5	-	40
MW-2	05/15/1991	30.59	21.15	9.44	<0.5	-	<0.5	15	2.0	<0.5	2.0	<0.5	6.0	<0.5	-	56
MW-2	08/27/1991	30.59	21.27	9.32	<0.5	-	-	8.0	0.9	<0.5	1.1	<0.5	3.9	<0.5	-	46
MW-2	11/15/1991	30.59	21.30	9.29	<0.5	-	<0.5	6.3	1.1	<0.5	0.6	<0.5	3.1	<0.5	-	58

**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	VOCS														
		TOC	DTW	GWE	1,1-DCE	MC	1,1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-2	02/20/1992	30.59	21.43	9.13	<2.5	-	<2.5	4.3	<2.5	<2.5	11	<2.5	3.1	<2.5	-	62
MW-2	06/15/1992	30.59	21.18	9.41	<0.5	-	<0.5	4.8	1.2	<0.5	<0.5	<0.5	3.1	<0.5	-	45
MW-2	12/16/1992	30.56	21.47	9.09	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	04/07/1993	30.56	20.53	10.03	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	06/09/1993	30.56	20.45	10.11	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	09/10/1993	30.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	09/27/1993	30.56	20.97	9.59	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/17/1993	30.56	21.31	9.25	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	03/10/1994	30.56	21.23	9.33	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	06/16/1994	30.56	21.21	9.35	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	09/07/1994	30.56	21.34	9.22	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/30/1994	30.56	20.90	9.66	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	03/22/1995	30.56	20.34	10.22	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	03/23/1995 <sup>12</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/03/1988	30.09	20.54	9.55	-	-	5.0	-	6.0	<1.0	8.0	<1.0	3.0	-	-	84
MW-3	02/02/1989	30.09	20.85	9.24	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	02/10/1989	30.09	-	-	-	-	<0.2	9.0	4.0	<0.2	5.8	<0.2	1.9	-	-	53
MW-3	04/23/1989	30.09	20.43	9.66	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	04/24/1989	30.09	-	-	-	-	-	-	6.0	<1.0	7.0	<1.0	3.0	-	11	110
MW-3	07/28/1989	30.09	20.64	9.45	-	-	<0.2	11	5.0	<0.2	8.6	<0.1	2.1	-	-	49
MW-3	10/30/1989	30.09	20.61	9.48	-	-	-	-	5.3	<0.5	5.6	<0.5	0.7	-	8.2	62
MW-3	01/09/1990	30.09	20.88	9.21	-	-	-	-	6.1	<0.5	8.6	<0.5	73.8	-	8.7	81
MW-3	04/18/1990	30.09	21.15	8.94	<0.5	-	-	-	5.8	<0.5	7.6	<0.5	2.4	<0.5	11	120
MW-3	06/22/1990	30.09	21.20	8.89	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/09/1990	30.09	21.18	8.91	<0.5	-	-	-	6.7	<0.5	11	<0.5	5.1	<0.5	11	81

**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	VOCS														
		TOC	DTW	GWE	1,1-DCE	MC	1,1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE
		Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-3	11/13/1990	30.09	21.15	8.94	<0.5	-	<0.5	9.0	5.0	<0.5	7.0	<0.5	4.0	<0.5	-	43
MW-3	05/15/1991	30.09	20.91	9.18	<0.5	-	<0.5	8.0	4.0	<0.5	6.0	<0.5	3.0	<0.5	-	46
MW-3	08/27/1991	30.09	20.89	9.20	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/15/1991	30.09	21.02	9.07	<0.5	-	0.8	7.4	5.0	0.9	6.3	<0.5	3.4	<0.5	-	67
MW-3	02/20/1992	30.09	21.07	9.02	<2.5	-	<2.5	6.1	4.0	<2.5	2.8	<2.5	3.0	<2.5	-	96
MW-3	06/15/1992	30.09	20.82	9.27	<0.5	-	<0.5	7.5	3.9	<0.5	5.0	<0.5	2.9	<0.5	-	86
MW-3	12/16/1992	30.08	21.07	9.07	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	04/07/1993	30.08	20.13	9.95	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	06/09/1993	30.08	20.05	10.03	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	09/10/1993	30.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	09/27/1993	30.08	20.58	9.50	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	12/17/1993	30.08	21.01	9.07	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	03/10/1994	30.08	20.86	9.22	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	06/16/1994	30.08	20.87	9.21	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	09/07/1994	30.08	20.97	9.11	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/30/1994	30.08	19.63	10.45	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	03/22/1995	30.08	19.81	10.27	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	03/23/1995 <sup>12</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/27/2001 <sup>14</sup>	-	-	-	<0.5	-	-	8.1	3.8	<0.5	5.5	<0.5	2.6	<0.5	-	43
MW-4	04/23/1989	31.17	21.33	9.84	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	04/24/1989	31.17	-	-	-	-	-	-	11	<1.0	35	<1.0	<1.0	-	<1.0	<1.0
MW-4	07/28/1989	31.17	21.58	9.59	-	-	<0.1	<0.1	9.3	<0.1	32	<0.1	<0.1	-	-	<0.1
MW-4	10/30/1989	31.17	21.54	9.63	-	-	-	-	8.5	<0.5	32	<0.5	<0.5	-	<0.5	<0.5
MW-4	01/09/1990	31.17	21.82	9.35	-	-	-	-	9.8	<0.5	36	<0.5	<0.5	-	<0.5	<0.5
MW-4	04/18/1990	31.17	22.09	9.08	<0.5	-	-	-	9.5	<0.5	41	<0.5	<0.5	<0.5	<0.5	<0.5

**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	VOCS														
		TOC	DTW	GWE	1,1-DCE	MC	p-1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE
		Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-4	06/22/1990	31.17	22.12	9.05	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	08/09/1990	31.17	22.11	9.06	<0.5	-	-	-	11	<0.5	38	<0.5	<0.5	<0.5	<0.5	<0.5
MW-4	11/13/1990	31.17	22.10	9.07	<0.5	-	<0.5	<0.5	11	<0.5	40	<0.5	<0.5	<0.5	-	<0.5
MW-4	05/15/1991	31.17	21.71	9.46	<0.5	-	<0.5	<0.5	10	<0.5	35	<0.5	<0.5	<0.5	-	<0.5
MW-4	08/27/1991	31.17	21.87	9.30	<0.5	-	-	<0.5	6.1	<0.5	28	<0.5	<0.5	<0.5	-	<0.5
MW-4	11/15/1991	31.17	21.80	9.37	<0.5	-	<0.5	<0.5	9.1	<0.5	23	<0.5	<0.5	<0.5	-	<0.5
MW-4	02/20/1992	31.17	21.99	9.18	<0.5	-	<0.5	<0.5	140	<0.5	400	<0.5	<0.5	<0.5	-	<0.5
MW-4	06/15/1992	31.17	21.74	9.43	<0.5	-	<0.5	<0.5	11	<0.5	38	<0.5	<0.5	<0.5	-	<0.5
MW-4	12/16/1992	31.17	22.05	9.12	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	04/07/1993	31.17	21.11	10.06	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	06/09/1993	31.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	09/10/1993	31.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	09/27/1993	31.17	21.54	9.63	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	12/17/1993	31.17	21.89	9.28	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	03/10/1994	31.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	06/16/1994	31.17	20.54	10.63	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	09/07/1994	31.17	21.90	9.27	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/30/1994	31.17	21.34	9.83	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	03/21/1995	31.17	20.62	10.55	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	03/23/1995 <sup>12</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	04/23/1989	30.28	20.62	9.66	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	04/24/1989	30.28	-	-	-	-	-	-	5.0	<1.0	4.0	<1.0	<1.0	-	2.0	4.0
MW-5	07/28/1989	30.28	20.86	9.42	-	-	<0.2	2.3	4.0	0.5	5.6	<0.2	0.3	-	-	5.3
MW-5	10/30/1989	30.28	20.82	9.46	-	-	-	-	2.0	<0.5	2.9	<0.5	<0.5	-	0.86	2.7
MW-5	01/09/1990	30.28	21.07	9.21	-	-	-	-	4.6	<0.5	8.2	<0.5	0.6	-	3.1	7.8



**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	VOCS														
		TOC	DTW	GWE	1,1-DCE	MC	1,1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE
		Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-5	04/18/1990	30.28	21.35	8.93	<0.5	-	-	-	2.8	<0.5	6.3	<0.5	<0.5	<0.5	1.7	2.6
MW-5	06/22/1990	30.28	21.38	8.90	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/09/1990	30.28	21.36	8.92	<0.5	-	-	-	4.8	<0.5	11	<0.5	<0.5	<0.5	2.3	6.0
MW-5	11/13/1990	30.28	21.35	8.93	<0.5	-	<0.5	1	3.0	<0.5	7.0	<0.5	<0.5	<0.5	-	5.0
MW-5	05/15/1991	30.28	21.29	8.99	<0.5	-	<0.5	0.8	2.0	<0.5	4.0	<0.5	<0.5	<0.5	-	3.0
MW-5	08/27/1991	30.28	21.11	9.17	<0.5	-	-	<0.5	1.1	<0.5	3.3	<0.5	<0.5	<0.5	-	2.3
MW-5	11/15/1991	30.28	21.18	9.10	<0.5	-	<0.5	1.7	2.8	<0.5	5.7	<0.5	<0.5	<0.5	-	5.5
MW-5	02/20/1992	30.28	21.25	9.03	<0.5	-	<0.5	0.7	2.0	<0.5	4.0	<0.5	<0.5	<0.5	-	3.9
MW-5	06/15/1992	30.28	21.00	9.28	<0.5	-	<0.5	1.4	2.0	<0.5	4.0	<0.5	<0.5	<0.5	-	5.0
MW-5	12/16/1992	30.28	21.23	9.05	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	04/07/1993	30.28	20.31	9.97	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	06/09/1993	30.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/10/1993	30.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/27/1993	30.28	20.76	9.52	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/28/1993 <sup>12</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	04/23/1989	29.46	20.05	9.41	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	04/24/1989	29.46	-	-	-	-	-	-	7.0	<1.0	13	<1.0	<1.0	-	<1.0	<1.0
MW-6	07/28/1989	29.46	20.30	9.16	-	-	<0.2	<0.2	4.0	0.5	9.6	0.6	<0.2	-	-	<0.2
MW-6	10/30/1989	29.46	20.32	9.14	-	-	-	-	3.6	<0.5	8.2	<0.5	<0.5	-	<0.5	<0.5
MW-6	01/09/1990	29.46	20.51	8.95	-	-	-	-	4.2	<0.5	10	1.8	<0.5	-	<0.5	<0.5
MW-6	04/18/1990	29.46	20.72	8.74	<0.5	-	-	-	3.8	<0.5	11	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	06/22/1990	29.46	20.77	8.69	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	08/09/1990	29.46	20.74	8.72	<0.5	-	-	-	6.6	<0.5	20	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	11/13/1990	29.46	20.75	8.71	<0.5	-	<0.5	<0.5	5.0	<0.5	15	<0.5	<0.5	<0.5	-	<0.5
MW-6	05/15/1991	29.46	20.61	8.85	<0.5	-	<0.5	<0.5	4.0	<0.5	11	<0.5	<0.5	<0.5	-	<0.5

**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	VOCS														
		TOC	DTW	GWE	1,1-DCE	MC	1,1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-6	08/27/1991	29.46	20.53	8.93	<0.5	-	-	<0.5	2.2	<0.5	8.0	<0.5	<0.5	<0.5	-	2.4
MW-6	11/15/1991	29.46	20.53	8.93	<0.5	-	<0.5	<0.5	5.4	<0.5	13	0.8	<0.5	<0.5	-	<0.5
MW-6	02/20/1992	29.46	20.69	8.77	<0.5	-	<0.5	<0.5	4.0	<0.5	11	<0.5	<0.5	<0.5	-	<0.5
MW-6	06/15/1992	29.46	20.38	9.08	<0.5	-	<0.5	<0.5	4.2	<0.5	9.6	<0.5	<0.5	<0.5	-	<0.5
MW-6	12/16/1992	29.45	20.57	8.88	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	04/07/1993	29.45	19.59	9.86	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	06/09/1993	29.45	19.50	9.95	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/10/1993	29.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/27/1993	29.45	20.07	9.38	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/28/1993 <sup>12</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	04/23/1989	29.01	18.99	10.02	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	04/24/1989 <sup>15</sup>	29.01	-	-	-	-	-	-	9.0	<1.0	3.0	<1.0	<1.0	-	<1.0	<1.0
MW-7	07/28/1989	29.01	19.94	9.07	-	-	<5.0/<2.0	<0.5/<2.0	<10/<20	<10/<5.0	<2.0/<5.0	6.0/<5.0	<5.0/<2.0	-	-	<2.0/<5.0
MW-7	10/30/1989	29.01	19.97	9.04	-	-	-	-	3.1/3.9	<1.0/<1.0	<1.0/<1.0	6.2/6.4	<1.0/<1.0	-	<1.0/<1.0	<1.0/<1.0
MW-7	01/09/1990	29.01	20.15	8.86	-	-	-	-	3.0	<0.5	<0.5	8.4	<0.5	-	<0.5	<0.5
MW-7	04/18/1990	29.01	20.37	8.64	0.6	-	-	-	3.2	<0.5	<0.5	7.7	<0.5	0.6	<0.5	<0.5
MW-7	06/22/1990	29.01	20.40	8.61	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	08/09/1990	29.01	20.38	8.63	<0.5	-	-	-	7.7	<0.5	3.3	8.4	<0.5	<0.5	<0.5	<0.5
MW-7	11/13/1990	29.01	20.41	8.60	<0.5	-	<0.5	<0.5	3.0	<0.5	0.6	4.0	<0.5	<0.5	-	<0.5
MW-7	05/15/1991	29.01	20.47	8.54	<0.5	-	<0.5	<0.5	2.0	<0.5	2.0	3.0	<0.5	<0.5	-	<0.5
MW-7	08/27/1991	29.01	20.14	8.87	<0.5	-	-	<0.5	2.8	<0.5	0.7	2.7	<0.5	<0.5	-	<0.5
MW-7	11/15/1991	29.01	20.22	8.79	<0.5	-	<0.5	<0.5	2.7	<0.5	0.8	3.1	<0.5	<0.5	-	<0.5
MW-7	02/20/1992	29.01	20.32	8.69	<0.5	-	<0.5	<0.5	1.9	<0.5	2.2	3.3	<0.5	<0.5	-	<0.5
MW-7	06/15/1992	29.01	19.98	9.03	<0.5	-	<0.5	<0.5	1.8	<0.5	1.1	4.5	<0.5	<0.5	-	<0.5
MW-7	12/16/1992	29.01	20.14	8.87	-	-	-	-	-	-	-	-	-	-	-	-

**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	VOCS														
		TOC	DTW	GWE	1,1-DCE	MC	1,1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-7	04/07/1993	29.01	19.14	9.87	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	06/09/1993	29.01	19.05	9.96	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/10/1993	29.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/27/1993	29.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	12/17/1993	29.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/10/1994	29.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	06/16/1994	29.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/07/1994	29.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	11/30/1994 <sup>10</sup>	29.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	01/17/1995	29.01	17.39	11.62	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/22/1995	29.01	17.68	11.33	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	06/27/1995	29.01	19.26	9.75	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/28/1995	29.01	19.34	9.67	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	12/30/1995	29.01	19.16	9.85	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	02/28/1996	29.01	18.44	10.57	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	06/27/1996	29.01	18.72	10.29	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/13/1996	29.01	19.40	9.61	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	12/16/1996	29.01	20.10	8.91	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/20/1997	29.01	18.95	10.06	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/08/1997	29.01	19.67	9.34	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	02/16/1998	29.01	18.60	10.41	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	08/25/1998	29.01	19.40	9.61	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/09/1999	29.01	16.00	13.01	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/29/1999	29.01	16.89	12.12	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/27/2000	29.01	19.59	9.42	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/18/2000 <sup>3</sup>	29.01	20.02	8.99	-	-	-	-	-	-	-	-	-	-	-	-

**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	VOCS														
		TOC	DTW	GWE	1,1-DCE	MC	1,1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-7	03/27/2001 <sup>3</sup>	29.01	19.85	9.16	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/05/2001 <sup>3</sup>	29.01	20.41	8.60	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/15/2002 <sup>3,11</sup>	29.01	19.85	9.16	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/14/2002 <sup>3</sup>	29.01	20.29	8.72	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/26/2003 <sup>3</sup>	29.01	20.12	8.89	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/02/2003 <sup>6,7</sup>	29.01	21.02	7.99	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-7	03/29/2004 <sup>6</sup>	29.01	18.88	10.13	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	11	<1	<1	-	<0.8
MW-7	09/03/2004 <sup>6</sup>	29.01	19.49	9.52	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-7	03/02/2005 <sup>6</sup>	29.01	13.42	15.59	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-7	09/22/2005 <sup>6</sup>	29.01	18.88	10.13	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-7	03/30/2006 <sup>6</sup>	29.01	18.13	10.88	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-7	08/28/2006 <sup>6</sup>	29.01	18.85	10.16	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-7	03/05/2007 <sup>6</sup>	29.01	18.25	10.76	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-7	09/24/2007 <sup>6</sup>	29.01	19.90	9.11	<0.8	<2	<0.8	<0.8	<0.8	<0.8	<1	<0.5	<1	<1	-	<0.8
MW-7	09/25/2007 <sup>13</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	04/23/1989	29.57	20.14	9.43	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	04/24/1989 <sup>1</sup>	29.57	-	-	-	-	-	-	2.0/3.0	<1.0/<1.0	2.0/2.0	<1.0/<1.0	<1.0/<1.0	-	4.0/3.0	6.0/6.0
MW-8	07/28/1989	29.57	20.37	9.20	-	-	<0.2	3.8	2.0	<0.2	2.3	<0.2	<0.2	-	-	5.6
MW-8	10/30/1989	29.57	20.32	9.25	-	-	-	-	2.6	<0.5	2.5	<0.5	<0.5	-	5.5	8.0
MW-8	01/09/1990	29.57	20.60	8.97	-	-	-	-	3.9	<0.5	4.9	<0.5	0.9	-	6.6	19
MW-8	04/18/1990	29.57	20.87	8.70	<0.5	-	-	-	2.8	<0.5	3.8	<0.5	0.6	<0.5	5.7	17
MW-8	06/22/1990	29.57	20.34	9.23	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	08/09/1990	29.57	20.89	8.68	<0.5	-	-	-	4.4	<0.5	5.3	<0.5	1.2	<0.5	9.2	27
MW-8	11/13/1990	29.57	20.86	8.71	<0.5	-	<0.5	6.0	2.0	<0.5	3.0	<0.5	0.7	<0.5	-	21
MW-8	05/15/1991	29.57	20.49	9.08	<0.5	-	<0.5	6.0	2.0	<0.5	2.0	<0.5	0.9	<0.5	-	30

**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	VOCS														
		TOC	DTW	GWE	1,1-DCE	MC	1,1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCEP	1,2-DCE	PCE
		Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-8	08/27/1991	29.57	20.60	8.97	<0.5	-	-	4.7	1.1	<0.5	1.4	<0.5	1.0	<0.5	-	32
MW-8	11/15/1991	29.57	20.62	8.95	2.0	-	<0.5	5.8	1.9	<0.5	1.5	<0.5	<0.5	2.0	-	50
MW-8	02/20/1992	29.57	20.80	8.77	<0.5	-	<0.5	7.6	2.3	<0.5	1.3	<0.5	2.4	<0.5	-	68
MW-8	06/15/1992	29.57	20.48	9.09	<0.5	-	<0.5	5.6	1.9	<0.5	0.7	-	1.6	<0.5	-	46
MW-8	12/16/1992	29.57	20.68	8.89	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	04/07/1993	29.57	19.70	9.87	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	06/09/1993	29.57	19.60	9.97	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	09/10/1993	29.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	09/27/1993	29.57	20.22	9.35	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	09/28/1993 <sup>12</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	06/22/1990	28.60	20.48	8.12	<0.5	-	<0.5	-	8.9	<0.5	9.6	<0.5	<0.5	<0.5	-	<0.5
MW-10	08/09/1990	28.60	20.45	8.15	<0.5	-	-	-	7.8	<0.5	11	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	11/13/1990	28.60	20.47	8.13	<0.5	-	<0.5	<0.5	4.0	<0.5	5.0	<0.5	<0.5	<0.5	-	<0.5
MW-10	05/15/1991	28.60	20.15	8.45	<0.5	-	<0.5	<0.5	4.0	<0.5	5.0	<0.5	<0.5	<0.5	-	<0.5
MW-10	08/27/1991	28.60	20.27	8.33	<0.5	-	-	<0.5	3.4	<0.5	6.9	<0.5	<0.5	<0.5	-	<0.5
MW-10	11/15/1991	28.60	20.33	8.27	<0.5	-	<0.5	<0.5	3.3	<0.5	2.7	<0.5	<0.5	<0.5	-	<0.5
MW-10	02/20/1992	28.60	21.45	7.15	<0.5	-	<0.5	<0.5	3.4	<0.5	3.3	<0.5	<0.5	<0.5	-	3.0
MW-10	06/15/1992	28.60	21.30	7.30	<0.5	-	<0.5	<0.5	2.9	<0.5	4.5	<0.5	<0.5	<0.5	-	<0.5
MW-10	12/16/1992	28.62	20.17	8.45	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	04/07/1993	28.62	19.26	9.41	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	06/09/1993	28.62	19.07	9.55	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	09/10/1993	28.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	09/24/1993	28.62	19.72	8.90	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	12/17/1993	28.62	20.07	8.55	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	03/10/1994	28.62	19.97	8.65	-	-	-	-	-	-	-	-	-	-	-	-

**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	VOCS														
		TOC	DTW	GWE	1,1-DCE	MC	1,1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE
		Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-10	06/16/1994	28.62	19.98	8.64	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	09/07/1994	28.62	20.12	8.50	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	11/30/1994	28.62	19.70	8.92	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	03/22/1995	28.62	18.92	9.70	-	-	-	-	-	-	-	-	-	-	-	-
MW-10	03/23/1995 <sup>12</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	06/22/1990	29.37	21.03	8.34	<0.5	-	<0.5	8.9	6.5	<0.5	4.6	<0.5	1.3	<0.5	-	73
MW-11	08/09/1990	29.37	21.02	8.35	<0.5	-	-	-	6.8	<0.5	8.1	<0.5	2.0	<0.5	4.6	84
MW-11	11/13/1990	29.37	20.93	8.44	<0.5	-	<0.5	2.0	<0.5	5	<0.5	<0.5	<0.5	<0.5	-	39
MW-11	05/15/1991	29.37	20.61	8.76	<0.5	-	<0.5	2.0	3.0	<0.5	1.0	<0.5	0.5	<0.5	-	7
MW-11	08/27/1991	29.37	20.70	8.67	<0.5	-	-	2.4	3.3	<0.5	4.1	<0.5	1.0	<0.5	-	73
MW-11	11/15/1991	29.37	20.68	8.69	<0.5	-	<0.5	2.3	3.6	<0.5	3.3	<0.5	0.9	<0.5	-	64
MW-11	02/20/1992	29.37	21.91	7.46	<2.5	-	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	-	62
MW-11	06/15/1992	29.37	20.56	8.81	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	12/16/1992	29.39	20.75	8.64	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	04/07/1993	29.39	19.83	9.56	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	06/09/1993	29.39	19.67	9.72	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	09/10/1993	29.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	09/27/1993	29.39	20.33	9.06	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	12/17/1993	29.39	20.73	8.66	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	03/10/1994	29.39	20.69	8.70	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	06/16/1994	29.39	20.56	8.83	-	-	-	-	-	-	-	-	-	-	-	-
MW-11	06/17/1994 <sup>12</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	06/22/1990	28.43	20.45	7.98	<0.5	-	<0.5	13	7.3	<0.5	6.0	<0.5	<0.5	<0.5	-	7.4
MW-12	08/09/1990	28.43	20.43	8.00	<0.5	-	-	-	7.0	<0.5	8.0	<0.5	<0.5	<0.5	5.8	6.7

**TABLE 1**  
**GROUNDWATER MONITORING AND SAMPLING DATA**  
**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	VOCS														
		TOC	DTW	GWE	1,1-DCE	MC	1,1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-12	11/13/1990	28.43	20.45	7.98	<0.5	-	<0.5	3.0	<0.5	3.0	<0.5	<0.5	<0.5	<0.5	-	9.0
MW-12	05/15/1991	28.43	20.07	8.36	<0.5	-	<0.5	3.0	4.0	<0.5	4.0	<0.5	<0.5	<0.5	-	10
MW-12	08/27/1991	28.43	20.15	8.28	<0.5	-	-	2.3	2.6	<0.5	3.1	<0.5	<0.5	<0.5	-	10
MW-12	11/15/1991	28.43	20.25	8.18	<0.5	-	<0.5	5.9	3.5	<0.5	1.9	<0.5	<0.5	<0.5	-	8.9
MW-12	02/20/1992	28.43	21.37	7.06	<0.5	-	<0.5	<0.5	3.4	<0.5	3.3	<0.5	<0.5	<0.5	-	3.7
MW-12	06/15/1992	28.43	19.90	8.53	<0.5	-	<0.5	4.5	3.7	<0.5	2.2	<0.5	<0.5	<0.5	-	13
MW-12	12/16/1992	28.43	19.80	8.63	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	04/07/1993	28.43	18.75	9.68	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	06/09/1993	28.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	09/10/1993	28.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	09/27/1993	28.43	19.63	8.80	-	-	-	-	-	-	-	-	-	-	-	-
MW-12	09/28/1993 <sup>12</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14	11/15/1991	29.46	20.33	9.13	<0.5	-	<0.5	<0.5	5.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	33
MW-14	02/20/1992	29.46	21.41	8.05	<0.5	-	<0.5	<0.5	4.3	<0.5	<0.5	<0.5	<0.5	<0.5	-	38
MW-14	06/15/1992	29.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14	12/16/1992	29.45	20.66	8.79	-	-	-	-	-	-	-	-	-	-	-	-
MW-14	04/07/1993	29.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14	06/09/1993	29.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14	09/10/1993	29.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14	09/27/1993	29.45	20.26	9.19	-	-	-	-	-	-	-	-	-	-	-	-
MW-14	09/28/1993 <sup>12</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	11/03/1988	-	-	-	-	-	<1.0	-	<1.0	<1.0	<1.0	<1.0	<1.0	-	-	<1.0
Trip Blank	02/10/1989	-	-	-	-	-	<0.1	<0.1	<0.5	<0.1	<0.1	<0.1	<0.1	-	-	<0.1
Trip Blank	04/24/1989	-	-	-	-	-	-	-	<1.0	<1.0	<1.0	<1.0	<1.0	-	<1.0	<1.0

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**FORMER CHEVRON SERVICE STATION 9-0020**  
**17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

Location	Date	VOCS														
		TOC	DTW	GWE	1,1-DCE	MC	1,1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Trip Blank	07/28/1989	-	-	-	-	-	-	<0.1	<0.5	<0.1	<0.1	<0.1	<0.5	-	<0.1	<0.1
Trip Blank	10/30/1989	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5
Trip Blank	01/09/1990	-	-	-	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5
Trip Blank	04/18/1990	-	-	-	<0.5	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trip Blank	06/22/1990	-	-	-	<0.5	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
Trip Blank	08/09/1990	-	-	-	<0.5	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trip Blank	11/13/1990	-	-	-	<0.5	-	<0.5	<0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
Trip Blank	05/15/1991	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	08/27/1991	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	11/15/1991	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
Trip Blank	02/20/1992	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
Trip Blank	06/15/1992	-	-	-	<0.5	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5
Trip Blank	12/16/1992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	04/07/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	06/09/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/10/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/27/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	12/17/1993	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	03/10/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	06/16/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/07/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	11/30/1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	01/17/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	03/22/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	06/27/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/28/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



**TABLE 1  
GROUNDWATER MONITORING AND SAMPLING DATA  
FORMER CHEVRON SERVICE STATION 9-0020  
17TH AND HARRISON STS, OAKLAND, CALIFORNIA**

		VOCS														
Location	Date	TOC	DTW	GWE	1,1-DCE	MC	1,1,2-DCE	c-1,2-DCE	Chloroform	1,1,1-TCA	Carbon Tet	1,2-DCA	TCE	1,2-DCP	1,2-DCE	PCE
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Trip Blank	12/30/1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	02/28/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	06/27/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/13/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	12/16/1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	03/20/1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/08/1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	02/16/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	08/25/1998	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	03/09/1999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/29/1999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	03/27/2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/18/2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	03/27/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trip Blank	09/05/2001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ATTACHMENT A

MONITORING DATA PACKAGE



September 22, 2010

Chevron Environmental Management Company  
Aaron Costa  
6111 Bollinger Canyon Rd.  
San Ramon, CA 94583

Third Quarter 2010 Monitoring at  
Chevron Service Station 90020  
1633 Harrison St.  
Oakland, CA

Monitoring performed on September 21, 2010

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**Blaine Tech Services, Inc. Groundwater Monitoring Event 100921-FS1**

This submission covers the routine monitoring of groundwater wells conducted on September 21, 2010 at this location. Four monitoring wells were measured for depth to groundwater (DTW). Four monitoring wells were sampled. All sampling activities were performed in accordance with local, state and federal guidelines.

Water levels measurements were collected using an electronic slope indicator. All sampled wells were purged of three case volumes, depending on well recovery, or until water temperature, pH and conductivity stabilized. Purging was accomplished using electric submersible pumps, positive air-displacement pumps or stainless steel, Teflon or disposable bailers. Subsequent sample collection and sample handling was performed in accordance with EPA protocols using disposable bailers. Alternately, where applicable, wells were sampled utilizing no-purge methodology. All reused equipment was decontaminated in an integrated stainless steel sink with de-ionized water supplied Hotsy pressure washer and Liquinox or equivalent.

Third Quarter Groundwater Monitoring at Chevron 90020, 1633 Harrison St., Oakland, CA

SAN JOSE

SACRAMENTO

LOS ANGELES

SAN DIEGO

1680 ROGERS AVENUE

SAN JOSE, CA 95112-1105

(408) 573-0555

FAX (408) 573-7771

LIC. 746684

[www.blainetech.com](http://www.blainetech.com)

Samples were delivered under chain-of-custody to Lancaster Laboratories of Lancaster, Pennsylvania, for analysis. Monitoring well purgewater and equipment rinsate water was collected and transported under bill-of-lading to IWM facilities of San Jose, California.

Enclosed documentation from this event includes copies of the Well Gauging Sheet, Well Monitoring Data Sheets, and Chain-of-Custody.

Blaine Tech Services, Inc.'s activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrogeologic conditions or formulation of recommendations was performed.

Please call if you have any questions.

Sincerely,



Dustin Becker  
Blaine Tech Services, Inc.  
Senior Project Manager

attachments: SOP  
Well Gauging Sheet  
Individual Well Monitoring Data Sheets  
Chain of Custody  
Wellhead Inspection Form  
Bill of Lading  
Calibration Log

cc: CRA  
Attn: Nathan Lee  
5900 Hollis St. Suite A  
Emeryville, CA 94608

Third Quarter Groundwater Monitoring at Chevron 90020, 1633 Harrison St., Oakland, CA

SAN JOSE

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# BLAINE TECH SERVICES, INC. METHODS AND PROCEDURES FOR THE ROUTINE MONITORING OF GROUNDWATER WELLS AT CHEVRON SITES

Blaine Tech Services, Inc. performs environmental sampling and documentation as an independent third party. We specialize in groundwater monitoring assignments and intentionally limit the scope of our services to those centered on the generation of objective information.

To avoid conflicts of interest, Blaine Tech Services, Inc. personnel do not evaluate or interpret the information we collect. As a state licensed contractor (C-57 well drilling –water – 746684) performing strictly technical services, we do not make any professional recommendations and perform no consulting of any kind.

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## SAMPLING PROCEDURES OVERVIEW

### SAFETY

All groundwater monitoring assignments performed for Chevron comply with Chevron's safety guidelines, 29 CFR 1910.120 and SB-198 Injury and Illness Prevention Program (IIPP). All Field Technicians receive the full 40-hour 29CFR 1910.120 OSHA SARA HAZWOPER course, medical clearance and on-the-job training prior to commencing any work on any Chevron site.

### INSPECTION AND GAUGING

Wells are inspected prior to evacuation and sampling. The condition of the wellhead is checked and noted according to a wellhead inspection checklist.

Standard measurements include the depth to water (DTW) and the total well depth (TD) obtained with industry standard electronic water level indicators that are graduated in increments of hundredths of a foot.

The water in each well is inspected for the presence of immiscibles. When free product is suspected, its presence is confirmed using an electronic interface probe (e.g. GeoTech). No samples are collected from a well containing over two-hundredths of a foot (0.02') of product.

### EVACUATION

Depth to water measurements are collected by our personnel prior to purging and minimum purge volumes are calculated anew for each well based on the height of the water column and the diameter of the well. Expected purge volumes are never less than three case volumes and are set at no less than four case volumes in some jurisdictions.

Well purging devices are selected on the basis of the well diameter and the total volume to be

evacuated. In most cases the well will be purged using an electric submersible pump (i.e. Grundfos) suspended near (but not touching) the bottom of the well.

## PARAMETER STABILIZATION

Well purging completion standards include minimum purge volumes, but additionally require stabilization of specific groundwater parameters prior to sample collection. Typical groundwater parameters used to measure stability are electrical conductivity, pH, and temperature. Instrument readings are obtained at regular intervals during the evacuation process (no less than once per case volume).

Stabilization standards for routine quarterly monitoring of fuel sites include the following: Temperature is considered to have stabilized when successive readings do not fluctuate more than +/- 1 degree Celsius. Electrical conductivity is considered stable when successive readings are within 10%. pH is considered to be stable when successive readings remain constant or vary no more than 0.2 of a pH unit.

## DEWATERED WELLS

Normal evacuation removes no less than three case volumes of water from the well. However, less water may be removed in cases where the well dewateres and does not immediately recharge.

## MEASURING RECHARGE

Upon completion of well purging, a depth to water measurement is collected and notated to ensure that the well has recharged to within 80% of its static, pre-purge level prior to sampling.

Wells that do not immediately show 80% recharge or dewatered wells will be allowed approximately 2 hours to recharge prior to sampling or will be sampled at site departure. All wells requiring off-site traffic control in the public right-of-way, the 80% recharge rule may be disregarded in the interests of Health and Safety. The sample may be collected as soon as there is sufficient water. The water level at time of sampling will be noted.

## PURGEWATER CONTAINMENT

All non-hazardous purgewater evacuated from each groundwater monitoring well is captured and contained in on-board storage tanks on the Sampling Vehicle and/or special water hauling trailers. Effluent from the decontamination of reusable apparatus (sounders, electric pumps and hoses etc.), consisting of groundwater combined with deionized water and non-phosphate soap, is also captured and pumped into effluent tanks.

Non-hazardous purgewater is transported under standard Bill of Lading documentation to a Blaine Tech Services, Inc. facility before being transported to a Chevron approved disposal facility.

## SAMPLE COLLECTION DEVICES

All samples are collected using disposable bailers.

## SAMPLE CONTAINERS

Sample material is decanted directly from the sampling bailer into sample containers provided by the laboratory that will analyze the samples. The transfer of sample material from the bailer to the sample container conforms to specifications contained in the USEPA T.E.G.D. The type of sample container, material of construction, method of closure and filling requirements are specific to the intended analysis. Chemicals needed to preserve the sample material are commonly placed inside the sample containers by the laboratory or glassware vendor prior to delivery of the bottle to our personnel. The laboratory sets the number of replicate containers.

## TRIP BLANKS

Trip Blanks, if requested, are taken to the site and kept inside the sample cooler for the duration of the event. They are turned over to the laboratory for analysis with the samples from that site.

## DUPLICATES

Duplicates, if requested, may be collected at a site. The Duplicate sample is collected, typically from the well containing the most measurable contaminants. The Duplicate sample is labeled the same as the original.

## SAMPLE STORAGE

All sample containers are promptly placed in food grade ice chests for storage in the field and transport (direct or via our facility) to the designated analytical laboratory. These ice chests contain quantities of restaurant grade ice as a refrigerant material. The samples are maintained in either an ice chest or a refrigerator until relinquished into the custody of the laboratory or laboratory courier.

## DOCUMENTATION CONVENTIONS

A label must be affixed to all sample containers. In most cases these labels are generated by our office personnel and are partially preprinted. Labels can also be hand written by our field personnel. The site is identified with the store number and site address, as is the particular groundwater well from which the sample is drawn (e.g. MW-1, MW-2, S-1 etc.). The time and date of sample collection along with the initials of the person who collects the sample are handwritten onto the label.

Chain of Custody records are created using client specific preprinted forms following USEPA specifications.

Bill of Lading records are contemporaneous records created in the field at the site where the non-hazardous purgewater is generated. Field Technicians use preprinted Bill of Lading forms.

## DECONTAMINATION

All equipment is brought to the site in clean and serviceable condition and is cleaned after use in each well and before subsequent use in any other well. Equipment is decontaminated before leaving the site.

The primary decontamination device is a commercial steam cleaner. The steam cleaner is de-tuned to function as a hot pressure washer that is then operated with high quality deionized water that is produced at our facility and stored onboard our sampling vehicle. Cleaning is facilitated by the use of proprietary fixtures and devices included in the patented workstation (U.S. Patent 5,535,775) that is incorporated in each sampling vehicle. The steam cleaner is used to decon reels, pumps and bailers.

Any sensitive equipment or parts (i.e. Dissolved Oxygen sensor membrane, water level indicator, etc.) that cannot be washed using the high pressure water, will be sprayed with a non-phosphate soap and deionized water solution and rinsed with deionized water.

## DISSOLVED OXYGEN READINGS

Dissolved Oxygen readings are taken pre- and/or post-purge using YSI meters (e.g. YSI Model 550) or HACH field test kits.

The YSI meters are able to collect accurate in-situ readings. The probe allows downhole measurements to be taken from wells with diameters as small as two inches. The probe and reel is decontaminated between wells as described above. The meter is calibrated between wells as per the instructions in the operating manual. The probe is lowered into the water column and the reading is allowed to stabilize prior to collection.

## OXYIDATON REDUCTION POTENTIAL READINGS

All readings are obtained with either Corning or Myron-L meters (e.g. Corning ORP-65 or a Myron-L Ultrameter GP). The meter is cleaned between wells as described above. The meter is calibrated at the start of each day according to the instruction manual.

## FERROUS IRON MEASUREMENTS

All field measurements are collected at time of sampling with a HACH test kit.





# CHEVRON WELL MONITORING DATA SHEET

Project #: 100921-FS1	Station #: 9-0020
Sampler: FS	Date: 9-21-10
Weather: OVERCAST	Ambient Air Temperature: 68° F
Well I.D.: MW-9	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: 23.86	Depth to Water: 19.95
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 20.73	

Purge Method:

- Bailer
- Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other \_\_\_\_\_

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: \_\_\_\_\_

0.7	(Gals.) X	3	=	2.1	Gals.
1 Case Volume		Specified Volumes		Calculated Volume	

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or $\mu$ S)	Turbidity (NTUs)	Gals. Removed	Observations
945	66.7	6.9	616	111	0.7	
948	67.9	6.7	606	102	1.4	
952	68.3	6.7	602	56	2.1	

Did well dewater? Yes  No  Gallons actually evacuated: 2.1

Sampling Date: 9-21-10 Sampling Time: 1000 Depth to Water: 20.30

Sample I.D.: MW-9 Laboratory: Lancaster Other \_\_\_\_\_

Analyzed for: TPH-G RTEX MTBE OXYS Other: ETHANOL

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

# CHEVRON WELL MONITORING DATA SHEET

Project #: 100921-FS1	Station #: 9-0020
Sampler: FS	Date: 9-21-10
Weather: OVERCAST	Ambient Air Temperature: 67°F
Well I.D.: MW-13	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: 26.45	Depth to Water: 20.44
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 21.64	

Purge Method:  Bailer  Disposable Bailer  Positive Air Displacement  Electric Submersible

Sampling Method:  Waterra  Disposable Bailer  Extraction Port  Dedicated Tubing

Peristaltic  Extraction Pump  Other: \_\_\_\_\_

1.0 (Gals.) X 3 = 3.0 Gals.  
 I Case Volume      Specified Volumes      Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or $\mu$ S)	Turbidity (NTUs)	Gals. Removed	Observations
925	65.8	7.1	560	314	1.0	
929	66.4	6.8	564	71000	2.0	
933	66.6	6.7	582	71000	3.0	

Did well dewater? Yes   No      Gallons actually evacuated: 3.0

Sampling Date: 9-21-10      Sampling Time: 1010      Depth to Water: 20.49

Sample I.D.: MW-13      Laboratory: Lancaster Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE OXYS Other: ETHANOL

Duplicate I.D.: \_\_\_\_\_ Analyzed for: TPH-G BTEX MTBE OXYS Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
	O.R.P. (if req'd):	mV	Post-purge:	mV

# CHEVRON WELL MONITORING DATA SHEET

Project #: 100921-FS1	Station #: 9-0020
Sampler: FS	Date: 9-21-10
Weather: OVERCAST	Ambient Air Temperature: 67°F
Well I.D.: MW-15	Well Diameter: 2 3 4 6 8
Total Well Depth: 26.15	Depth to Water: 20.10
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 21.31	

Purge Method: Bailer      Waterra      Disposable Bailer

   Peristaltic      Extraction Port

   Extraction Pump      Dedicated Tubing

   Electric Submersible      Other: \_\_\_\_\_

1.0 (Gals.) X	3 Specified Volumes	= 3.0 Gals. Calculated Volume
---------------	---------------------	-------------------------------

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or $\mu$ S)	Turbidity (NTUs)	Gals. Removed	Observations
855	66.7	8.0	705	61	1.0	
900	66.7	7.0	626	151	2.0	
904	66.1	6.9	599	103	3.0	

Did well dewater? Yes  No  Gallons actually evacuated: 3.0

Sampling Date: 9-21-10      Sampling Time: 915      Depth to Water: 20.69

Sample I.D.: MW-15      Laboratory: Lancaster Other: \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE OXYS Other: ETHANOL

Duplicate I.D.: \_\_\_\_\_ Analyzed for: TPH-G BTEX MTBE OXYS Other: \_\_\_\_\_

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
	O.R.P. (if req'd):	mV	Post-purge:	mV

## CHEVRON WELL MONITORING DATA SHEET

Project #: 100921-FS1	Station #: 9-0020
Sampler: FS	Date: 9-21-10
Weather: OVERCAST	Ambient Air Temperature: 68°F
Well I.D.: MW-16	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: 25.22	Depth to Water: 20.42
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 21.38	

Purge Method:

- Bailer  
 Disposable Bailer  
 Positive Air Displacement  
 Electric Submersible
- Waterra  
 Peristaltic  
 Extraction Pump  
 Other \_\_\_\_\_

Sampling Method:

- Bailer  
 Disposable Bailer  
 Extraction Port  
 Dedicated Tubing  
 Other: \_\_\_\_\_

0.8	(Gals.) X	3	=	2.4	Gals.
1 Case Volume		Specified Volumes		Calculated Volume	

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u> )	Turbidity (NTUs)	Gals. Removed	Observations
1025	66.9	6.9	910	304	0.8	ODOR
1027	67.9	6.7	946	332	1.6	↓
1030	68.0	6.7	962	495	2.4	

Did well dewater? Yes  No  Gallons actually evacuated: 2.4

Sampling Date: 9-21-10 Sampling Time: 1040 Depth to Water: 20.65

Sample I.D.: MW-16 Laboratory: Lancaster Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE OXYS Other: ETHANOL

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE OXYS Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
------------------	------------	------	-------------	------

O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV
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CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 6111 Bollinger Canyon Rd. ■ San Ramon, CA 94583

COC 1 of 1

Chevron Site Number: 90020  
 Chevron Site Global ID: T0600100304  
 Chevron Site Address: 1633 Harrison St.,  
 Oakland, CA  
 Chevron PM: AARON COSTA  
 Chevron PM Phone No.: (925)543-2961  
 Retail and Terminal Business Unit (RTBU) Job  
 Construction/Retail Job

Chevron Consultant: CRA  
 Address: 5900 Hollis St. Suite A Emeryville.  
 CA Consultant Contact: Charlotte Evans Nathan Lee  
 Consultant Phone No. 510-420-3854  
 Consultant Project No. 10 0921-FS1  
 Sampling Company: Blaine Tech Services  
 Sampled By (Print): F. SRIMONTONG  
 Sampler Signature:

ANALYSES REQUIRED

<input type="checkbox"/> HVOOC	<input type="checkbox"/> ORO	<input type="checkbox"/> HC SCREEN	<input type="checkbox"/> TLIC	<input type="checkbox"/> STLC	<input type="checkbox"/> EPA 310.1 ALKALINITY	<input type="checkbox"/> EPA 413.1 OIL & GREASE
<input type="checkbox"/> OXYGENATES	<input type="checkbox"/> DRO	<input checked="" type="checkbox"/> GRO	<input type="checkbox"/> TITLE 22 METALS	<input type="checkbox"/> SM2510B SPECIFIC CONDUCTIVITY	<input type="checkbox"/> EPA 150.1 PH	<input type="checkbox"/> EPA 418.1 TRPH
<input type="checkbox"/> TPH/G	<input type="checkbox"/> BTEX	<input checked="" type="checkbox"/> GRO	<input type="checkbox"/> MTBE	<input type="checkbox"/> EPA 6010 Ca, Fe, K, Mg, Mn, Na	<input type="checkbox"/> ETHANOL	<input type="checkbox"/> ETHANOL
<input type="checkbox"/> EPA 8260B/GC/MS	<input type="checkbox"/> EPA 8015B	<input type="checkbox"/> EPA 8021B BTEX	<input type="checkbox"/> EPA 6010 Ca, Fe, K, Mg, Mn, Na	<input type="checkbox"/> EPA 6010/7000 TITLE 22 METALS	<input type="checkbox"/> EPA 150.1 PH	<input type="checkbox"/> EPA 418.1 TRPH

Preservation Codes  
 H = HCL T = Thiosulfate  
 N = HNO<sub>3</sub> B = NaOH  
 S = H<sub>2</sub>SO<sub>4</sub> O = Other  
 Special Instructions  
 Must meet lowest detection limits possible for 8260 Compounds

Charge Code: NWRBTB-0090020-0-OML  
 NWRBTB 00SITE NUMBER-0- WBS  
**(WBS ELEMENTS:**  
 SITE ASSESSMENT: A1L REMEDIATION IMPLEMENTATION: R5L  
 SITE MONITORING: OML OPERATION MAINTENANCE & MONITORING: M1L  
**THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.**

Lancaster Laboratories  
 Lancaster, PA  
 Lab Contact: Jill Parker  
 2425 New Holland Pike,  
 Lancaster, PA 17601  
 Phone No: (717)656-2300

Other Lab	Temp. Blank Check Time	Temp.
	800	0.10
	930	0.0
	1100	0.1

SAMPLE ID				Sample Time	# of Containers	Container Type	EPA 8260B/GC/MS	EPA 8015B	EPA 8021B BTEX	EPA 6010 Ca, Fe, K, Mg, Mn, Na	EPA 6010/7000 TITLE 22 METALS	EPA 150.1 PH	SM2510B SPECIFIC CONDUCTIVITY	EPA 418.1 TRPH	ETHANOL	Notes/Comments	
Field Point Name	Matrix	Top Depth	Date (yyymmdd)														
MW-9	W		100921	1000	6	VOA	X	X									
MW-13				1010	6		X	X									
<del>MW-15</del>				<del>915</del>	<del>6</del>		<del>X</del>	<del>X</del>									
MW-16	↓			1040	6	↓	X	X									
QA	T			800	2	↓	X	X									

Relinquished By:	Company: BTS	Date/Time: 9-21-10/1115	Relinquished To:	Company: HALLI	Date/Time: 9-21-10/1115	Turnaround Time: Standard <input checked="" type="checkbox"/> 24 Hours <input type="checkbox"/> 48 hours <input type="checkbox"/> 72 Hours <input type="checkbox"/> Other <input type="checkbox"/>
Relinquished By:	Company:	Date/Time:	Relinquished To:	Company:	Date/Time:	
Relinquished By:	Company:	Date/Time:	Relinquished To:	Company:	Date/Time:	Intact: _____ On Ice: _____ Temp: _____ COC #

PAGE 01/01  
 LANCASTER LABS CA  
 5102324913  
 09/21/2010 13:06



CHEVRON-NORTHERN CALIFORNIA TYPE **A** BILL OF LADING

SOURCE RECORD **BILL OF LADING**

FOR NON-HAZARDOUS PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT CHEVRON FACILITIES IN THE STATE OF CALIFORNIA. THE NON-HAZARDOUS PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR, MADE UP INTO LOADS OF APPROPRIATE SIZE AND HAULED BY IWM TO THEIR FACILITY IN SAN JOSE, CALIFORNIA.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BTS), 1680 Rogers Ave. San Jose CA (408)573-0555). Blaine Tech Services, Inc. is authorized by CHEVRON PRODUCTS COMPANY (CHEVRON) to recover, collect, apportion into loads, and haul the Non-Hazardous Well Purgewater that is drawn from wells at the CHEVRON facility indicated below and to deliver that purgewater to BTS. Transport routing of the Non-Hazardous Well Purgewater may be direct from one Chevron facility to BTS; from one Chevron facility to BTS via another Chevron facility; or any combination thereof. The Non-Hazardous Well Purgewater is and remains the property of CHEVRON.

This Source Record **BILL OF LADING** was initiated to cover the recovery of Non-Hazardous Well Purgewater from wells at the Chevron facility described below:

9-0020 AALON COSTA  
 CHEVRON # Chevron Engineer  
 1633 HARRISON ST. OAKLAND CA  
 street number street name city state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-9	/ 2.1		/
MW-13	/ 3		/
MW-15	/ 3		/
MW-16	/ 2.4		/
	/		/
	/		/
	/		/
	/		/
	/		/
added equip.		any other	
rinse water	/ 3.5	adjustments	/
<b>TOTAL GALS.</b>		loaded onto	
<b>RECOVERED</b>	<u>15</u>	BTS vehicle #	<u>87</u>
BTS event #	time	date	
<u>100921-F31</u>	<u>1100</u>	<u>9/21/10</u>	
signature <u>[Signature]</u>			
*****			
<b>REC'D AT</b>	time	date	
<u>BTS</u>	<u>1600</u>	<u>9/21/10</u>	
unloaded by			
signature <u>[Signature]</u>			





ATTACHMENT B

LABORATORY ANALYTICAL REPORT

## ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17605-2425

Prepared for:

Chevron  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

September 27, 2010

Project: 90020

Submittal Date: 09/22/2010  
Group Number: 1212949  
PO Number: 0015061031  
Release Number: COSTA  
State of Sample Origin: CAClient Sample DescriptionMW-9-W-100921 NA Water  
MW-13-W-100921 NA Water  
MW-15-W-100921 NA Water  
MW-16-W-100921 NA Water  
QA-T-100921 NA WaterLancaster Labs (LLI) #6091931  
6091932  
6091933  
6091934  
6091935

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Chevron c/o CRA	Attn: Report Contact
ELECTRONIC COPY TO	Blaine Tech Services, Inc.	Attn: Dustin Becker
ELECTRONIC COPY TO	CRA	Attn: Ian Hull
ELECTRONIC COPY TO	CRA	Attn: Nathan Lee

Questions? Contact your Client Services Representative  
Jill M Parker at (717) 656-2300 Ext. 1241

Respectfully Submitted,



**Robin C. Runkle**  
**Senior Specialist**

**Sample Description: MW-9-W-100921 NA Water**  
**Facility# 90020 BTST**  
**1633 Harrison St-Oakland T0600100304 MW-9**

**LLI Sample # WW 6091931**  
**LLI Group # 1212949**  
**Account # 10991**

**Project Name: 90020**

Collected: 09/21/2010 10:00 by FS

Chevron

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 09/22/2010 09:15

Reported: 09/27/2010 15:39

Discard: 10/28/2010

HSO09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
10943	Benzene	71-43-2	N.D.	0.5	1	1
10943	Ethanol	64-17-5	N.D.	50	250	1
10943	Ethylbenzene	100-41-4	3	0.5	1	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10943	Toluene	108-88-3	N.D.	0.5	1	1
10943	Xylene (Total)	1330-20-7	10	0.5	1	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
01728	TPH-GRO N. CA water C6-C12	n.a.	1,100	50	100	1

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	D102671AA	09/24/2010 16:56	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D102671AA	09/24/2010 16:56	Ginelle L Feister	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10266A20A	09/23/2010 16:18	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10266A20A	09/23/2010 16:18	Elizabeth J Marin	1



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

**Sample Description:** MW-13-W-100921 NA Water  
Facility# 90020 BTST  
1633 Harrison St-Oakland T0600100304 MW-13

LLI Sample # WW 6091932  
LLI Group # 1212949  
Account # 10991

**Project Name:** 90020

Collected: 09/21/2010 10:10 by FS

Chevron

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 09/22/2010 09:15

Reported: 09/27/2010 15:39

Discard: 10/28/2010

HSO13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
10943	Benzene	71-43-2	N.D.	0.5	1	1
10943	Ethanol	64-17-5	N.D.	50	250	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10943	Toluene	108-88-3	N.D.	0.5	1	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	D102671AA	09/24/2010 15:49	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D102671AA	09/24/2010 15:49	Ginelle L Feister	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10266A20A	09/23/2010 16:39	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10266A20A	09/23/2010 16:39	Elizabeth J Marin	1

\*=This limit was used in the evaluation of the final result



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: MW-15-W-100921 NA Water  
Facility# 90020 BTST  
1633 Harrison St-Oakland T0600100304 MW-15

LLI Sample # WW 6091933  
LLI Group # 1212949  
Account # 10991

Project Name: 90020

Collected: 09/21/2010 09:15 by FS

Chevron

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 09/22/2010 09:15

Reported: 09/27/2010 15:39

Discard: 10/28/2010

HSO15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10943	Benzene	71-43-2	N.D.	0.5	1	1
10943	Ethanol	64-17-5	N.D.	50	250	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10943	Toluene	108-88-3	N.D.	0.5	1	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
<b>GC Volatiles SW-846 8015B</b>						
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	D102671AA	09/24/2010 17:18	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D102671AA	09/24/2010 17:18	Ginelle L Feister	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10266A20A	09/23/2010 17:01	Elizabeth J Marin	1
01146	GC VOA Water Prep	SW-846 5030B	1	10266A20A	09/23/2010 17:01	Elizabeth J Marin	1

\*=This limit was used in the evaluation of the final result

**Sample Description: MW-16-W-100921 NA Water**  
**Facility# 90020 BTST**  
**1633 Harrison St-Oakland T0600100304 MW-16**

**LLI Sample # WW 6091934**  
**LLI Group # 1212949**  
**Account # 10991**

**Project Name: 90020**

Collected: 09/21/2010 10:40 by FS

Chevron

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 09/22/2010 09:15

Reported: 09/27/2010 15:39

Discard: 10/28/2010

HSO16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10943	Benzene	71-43-2	41	0.5	1	1
10943	Ethanol	64-17-5	N.D.	50	250	1
10943	Ethylbenzene	100-41-4	49	0.5	1	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10943	Toluene	108-88-3	65	0.5	1	1
10943	Xylene (Total)	1330-20-7	90	0.5	1	1
<b>GC Volatiles SW-846 8015B</b>						
01728	TPH-GRO N. CA water C6-C12	n.a.	9,200	250	500	5

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	D102671AA	09/24/2010 17:40	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D102671AA	09/24/2010 17:40	Ginelle L Feister	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10266A20A	09/23/2010 20:39	Elizabeth J Marin	5
01146	GC VOA Water Prep	SW-846 5030B	1	10266A20A	09/23/2010 20:39	Elizabeth J Marin	5





# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Sample Description: QA-T-100921 NA Water  
Facility# 90020 BTST  
1633 Harrison St-Oakland T0600100304 QA

LLI Sample # WW 6091935  
LLI Group # 1212949  
Account # 10991

Project Name: 90020

Collected: 09/21/2010 08:00

Chevron

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 09/22/2010 09:15

Reported: 09/27/2010 15:39

Discard: 10/28/2010

HSOQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
10943	Benzene	71-43-2	N.D.	0.5	1	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10943	Toluene	108-88-3	N.D.	0.5	1	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
<b>GC</b>	<b>Volatiles</b>	<b>SW-846 8015B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1

### General Sample Comments

State of California Lab Certification No. 2501

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	D102671AA	09/24/2010 15:04	GINELLE L FEISTER	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D102671AA	09/24/2010 15:04	GINELLE L FEISTER	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10266A20A	09/23/2010 14:51	ELIZABETH J MARIN	1
01146	GC VOA Water Prep	SW-846 5030B	1	10266A20A	09/23/2010 14:51	ELIZABETH J MARIN	1

\*=This limit was used in the evaluation of the final result

## Quality Control Summary

 Client Name: Chevron  
 Reported: 09/27/10 at 03:39 PM

Group Number: 1212949

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: D102671AA	Sample number(s): 6091931-6091935								
Benzene	N.D.	0.5	1	ug/l	87		79-120		
Ethanol	N.D.	50.	250	ug/l	115		54-149		
Ethylbenzene	N.D.	0.5	1	ug/l	100		79-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	79		76-120		
Toluene	N.D.	0.5	1	ug/l	101		79-120		
Xylene (Total)	N.D.	0.5	1	ug/l	103		80-120		
Batch number: 10266A20A	Sample number(s): 6091931-6091935								
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	109	100	75-135	9	30

### Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike  
 Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: D102671AA	Sample number(s): 6091931-6091935 UNSPK: 6091932								
Benzene	92	87	80-126	6	30				
Ethanol	117	109	37-164	8	30				
Ethylbenzene	109	101	71-134	8	30				
Methyl Tertiary Butyl Ether	82	77	72-126	5	30				
Toluene	108	100	80-125	8	30				
Xylene (Total)	111	103	79-125	8	30				
Batch number: 10266A20A	Sample number(s): 6091931-6091935 UNSPK: P091929								
TPH-GRO N. CA water C6-C12	118		63-154						

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: UST VOCs by 8260B - Water

Batch number: D102671AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6091931	93	93	107	95
6091932	95	96	106	92

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: Chevron  
Reported: 09/27/10 at 03:39 PM

Group Number: 1212949

### Surrogate Quality Control

6091933	93	94	105	90
6091934	91	94	104	99
6091935	94	97	107	91
Blank	95	98	108	92
LCS	93	95	106	93
MS	93	96	106	94
MSD	94	96	106	94

---

Limits: 80-116                      77-113                      80-113                      78-113

Analysis Name: TPH-GRO N. CA water C6-C12  
Batch number: 10266A20A  
Trifluorotoluene-F

---

6091931	102
6091932	87
6091933	88
6091934	156*
6091935	89
Blank	84
LCS	108
LCSD	110
MS	124

---

Limits: 63-135

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

AMENDED

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company • 6111 Bollinger Canyon Rd. • San Ramon, CA 94583

COC 1 of 1

PAGE 01/01

LANCASTER LABS CA

5102324913

09/21/2010 13:06

Chevron Site Number: 90020  
 Chevron Site Global ID: T0600100304  
 Chevron Site Address: 1633 Harrison St., Oakland, CA  
 Chevron PM: AARON COSTA  
 Chevron PM Phone No.: (925)543-2961  
 Retail and Terminal Business Unit (RTBU) Job  
 Construction/Retail Job

Chevron Consultant: CRA  
 Address: 5900 Hollis St. Suite A Emeryville, CA  
 Consultant Contact: Charlotte Evans <sup>3853</sup> Nathan Lee  
 Consultant Phone No. 510-420-3864  
 Consultant Project No. 100921-FS1  
 Sampling Company: Blaine Tech Services  
 Sampled By (Print): F. SRINIVASULU  
 Sampler Signature: [Signature]

Charge Code: NWRTB-0090020-0-OML  
 NWRTB 00SITE NUMBER-0-WBS  
**(WBS ELEMENTS:**  
 SITE ASSESSMENT: A1L REMEDIATION IMPLEMENTATION: R5L  
 SITE MONITORING: OML OPERATION MAINTENANCE & MONITORING: M1L  
**THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.**

**Lancaster Laboratories**  
 Lancaster, PA  
 Lab Contact: Jill Parker  
 2425 New Holland Pike,  
 Lancaster, PA 17601  
 Phone No:  
 (717)656-2300

Other Lab	Temp. Blank Check Time	Temp.
	800	0.1°C
	930	0.0
	1100	0.1

ANALYSES REQUIRED												Preservation Codes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	H = HCL T = Thiosulfate N = HNO <sub>3</sub> B = NaOH S = H <sub>2</sub> SO <sub>4</sub> O = Other acc # 10910991 Cap # 1212449 Schud # 6091931-35 Special Instructions Must meet lowest detection limits possible for 8260 Compounds
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

SAMPLE ID				Sample Time	# of Containers	Container Type	ANALYSES REQUIRED												Notes/Comments															
Field Point Name	Matrix	Top Depth	Date (yyymmdd)				EPA 8260B/GC/MS	TPH/G	BIEXT	MIBEX	OXYGENATES	HVOC	EPA 8019B	GRO	DRO	HC SCREEN	EPA 8021B	BTEX		MTBE	EPA 8010	Ca, Fe, K, Mg, Mn, Na	EPA 6010	7000 TITLE 22 METALS	TLC	STLC	EPA 310.1	ALKALINITY	SM2510B	SPECIFIC CONDUCTIVITY	EPA 418.1	TRPH	EPA 413.1	OIL & GREASE
MW-9	W		100921	1000	6	VOA	X	X																										
MW-13	↓		↓	1010	6	↓	X	X																										
<del>MW-5</del>	↓		↓	<del>915</del>	<del>6</del>	↓	<del>X</del>	<del>X</del>																										
MW-16	↓		↓	1040	6	↓	X	X																										
QA	T		↓	800	2	↓	X	X																										

Relinquished By: <u>[Signature]</u>	Company: <u>BTS</u>	Date/Time: <u>9-21-10/1115</u>	Relinquished To: <u>[Signature]</u>	Company: <u>LANCASTER LABS</u>	Date/Time: <u>9-21-10/1115</u>
Relinquished By: <u>[Signature]</u>	Company: <u>BTS</u>	Date/Time: <u>9-21-10/1115</u>	Relinquished To: <u>[Signature]</u>	Company: <u>LANCASTER LABS</u>	Date/Time: <u>9-21-10/1115</u>
Relinquished By: <u>[Signature]</u>	Company: <u>BTS</u>	Date/Time: <u>9-21-10/1115</u>	Relinquished To: <u>[Signature]</u>	Company: <u>LANCASTER LABS</u>	Date/Time: <u>9-21-10/1115</u>

Turnaround Time:  
 Standard  24 Hours  48 hours  72  
 Hours  Other   
 Sample Integrity: (Check by lab on arrival)  
 Intact:  On Ice:  Temp:   
 COC #

092110-02

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 6111 Bollinger Canyon Rd. ■ San Ramon, CA 94583 COC of

Chevron Site Number: 90020  
 Chevron Site Global ID: T0600100304  
 Chevron Site Address: 1633 Harrison St., Oakland, CA  
 Chevron PM: AARON COSTA  
 Chevron PM Phone No.: (925)543-2961  
 Retail and Terminal Business Unit (RTBU) Job  
 Construction/Retail Job

Chevron Consultant: CRA  
 Address: 5900 Hollis St. Suite A Emeryville.  
 CA Consultant Contact: Charlotte Evans  
 Consultant Phone No. 510-420-3351  
 Consultant Project No. 10 0921-FSI  
 Sampling Company: Blaine Tech Services  
 Sampled By (Print): F. SRIWONGTONG  
 Sampler Signature:

Charge Code: NWR TB-0090020-0-OML  
 NWR TB 00SITE NUMBER-0- WB5

**(WBS ELEMENTS:**  
 SITE ASSESSMENT: A1L REMEDIATION IMPLEMENTATION: R5L  
 SITE MONITORING: OML OPERATION MAINTENANCE & MONITORING: M1L

THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.

**Lancaster Laboratories**  
 Lancaster, PA  
 Lab Contact: Jill Parker  
 2425 New Holland Pike,  
 Lancaster, PA 17601  
 Phone No:  
 (717)656-2300

Other Lab \_\_\_\_\_  
 Temp. Blank Check Time \_\_\_\_\_ Temp. \_\_\_\_\_  
 800 0.1°C  
 930 0.0  
 1100 0.1

**ANALYSES REQUIRED**

EPA 8260B/GC/MS	<input checked="" type="checkbox"/>	EPA 8015B	<input checked="" type="checkbox"/>	EPA 8021B	<input type="checkbox"/>	EPA 6010 Ca, Fe, K, Mg, Mn, Na	<input type="checkbox"/>	EPA 6010/7000 TITLE 22 METALS	<input type="checkbox"/>	EPA 150.1 PH	<input type="checkbox"/>	SM2510B SPECIFIC CONDUCTIVITY	<input type="checkbox"/>	EPA 418.1 TRPH	<input type="checkbox"/>	EPA 413.1 OIL & GREASE	<input type="checkbox"/>	STHANOL 8260	
TPH-G	<input type="checkbox"/>	BTEX	<input checked="" type="checkbox"/>	MTBE	<input checked="" type="checkbox"/>			TITLE 22 METALS	<input type="checkbox"/>	ALKALINITY	<input type="checkbox"/>								

Preservation Codes  
 H = HCL T = Thiosulfate  
 N = HNO<sub>3</sub> B = NaOH  
 S = H<sub>2</sub>SO<sub>4</sub> O = Other  
 6091931-35  
 6091931-35  
 6091931-35

Special Instructions  
 Must meet lowest detection limits possible for 8260 Compounds

SAMPLE ID				Sample Time	# of Containers	Container Type	ANALYSES REQUIRED										Notes/Comments			
Field Point Name	Matrix	Top Depth	Date (yyymmdd)				EPA 8260B/GC/MS	TPH-G	BTEX	MTBE	GRO	DRO	ORO	HC SCREEN	MTBE	TITLE 22 METALS		ALKALINITY	SPECIFIC CONDUCTIVITY	TRPH
MW-9	W		100921	1000	6	VOA	X	X											X	
MW-13	↓		↓	1010	6	↓	X	X											X	
MW-15	↓		↓	915	6	↓	X	X											X	
MW-16	↓		↓	1040	6	↓	X	X											X	
QA	T		↓	800	2	↓	X	X												

Relinquished By:	Company: BTS	Date/Time: 9-21-10/1115	Relinquished To:	Company: LLI	Date/Time: 9-21-10/1115	Turnaround Time: Standard <input checked="" type="checkbox"/> 24 Hours <input type="checkbox"/> 48 hours <input type="checkbox"/> 72 Hours <input type="checkbox"/> Other <input type="checkbox"/>
Relinquished By:	Company: LLI	Date/Time: 21 SEP 10 1636	Relinquished To:	Company: FEDEX	Date/Time:	Sample Integrity: (Check by lab on arrival)
Relinquished By:	Company: LLI	Date/Time:	Relinquished To:	Company: LLI	Date/Time: 9/21/10 0945	Intact: <input checked="" type="checkbox"/> On Ice: <input checked="" type="checkbox"/> Temp: 11-1.5 COC #

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>RL</b>	Reporting Limit	<b>BMQL</b>	Below Minimum Quantitation Level
<b>N.D.</b>	none detected	<b>MPN</b>	Most Probable Number
<b>TNTC</b>	Too Numerous To Count	<b>CP Units</b>	cobalt-chloroplatinate units
<b>IU</b>	International Units	<b>NTU</b>	nephelometric turbidity units
<b>umhos/cm</b>	micromhos/cm	<b>ng</b>	nanogram(s)
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>ug</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>ml</b>	milliliter(s)	<b>l</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers	Inorganic Qualifiers
<b>A</b> TIC is a possible aldol-condensation product	<b>B</b> Value is $<$ CRDL, but $\geq$ IDL
<b>B</b> Analyte was also detected in the blank	<b>E</b> Estimated due to interference
<b>C</b> Pesticide result confirmed by GC/MS	<b>M</b> Duplicate injection precision not met
<b>D</b> Compound quantitated on a diluted sample	<b>N</b> Spike sample not within control limits
<b>E</b> Concentration exceeds the calibration range of the instrument	<b>S</b> Method of standard additions (MSA) used for calculation
<b>N</b> Presumptive evidence of a compound (TICs only)	<b>U</b> Compound was not detected
<b>P</b> Concentration difference between primary and confirmation columns $>$ 25%	<b>W</b> Post digestion spike out of control limits
<b>U</b> Compound was not detected	<b>*</b> Duplicate analysis not within control limits
<b>X,Y,Z</b> Defined in case narrative	<b>+</b> Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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