



**Catalina Espino  
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Marketing Business Unit

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

**RECEIVED**

*By Alameda County Environmental Health at 8:38 am, May 15, 2013*

Re: Chevron Service Station No. 90121  
3026 Lakeshore Avenue  
Oakland, CA

I have reviewed the attached report entitled First Semi-Annual 2013 Groundwater Monitoring and Sampling Report.

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,

A handwritten signature in blue ink, appearing to read "Catalina Espino Devine".

Catalina Espino Devine  
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>

May 13, 2013

Reference No. 311973

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

Re: First Semi-Annual 2013  
Groundwater Monitoring and Sampling Report  
Former Chevron Service Station 90121  
3026 Lakeshore Avenue  
Oakland, California  
Fuel Leak Case RO0000284

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Dear Mr. Detterman:

Conestoga-Rovers & Associates (CRA) is submitting this *First Semi-Annual 2013 Groundwater Monitoring and Sampling Report* for the site referenced above (Figure 1) on behalf of Chevron Environmental Management Company. Groundwater monitoring and sampling was performed by Blaine Tech Services (BTS) of San Jose, California. BTS's *First Quarter 2013* monitoring and sampling data package is included as Attachment A. Current and historical groundwater monitoring and sampling data are presented in Table 1 and current data are shown on Figure 2. Eurofins Lancaster Laboratories' *Analytical Results* report is included as Attachment B.

### **RESULTS OF FIRST SEMI-ANNUAL 2013 EVENT**

On March 19 and 20, 2013, Blaine Tech monitored and sampled the site wells per the established schedule.

Results of the current monitoring event indicate the following:

- General Groundwater Flow Direction Southwest
- Hydraulic Gradient 0.04
- Approximate Depth to Water 4.5 to 11 feet below grade

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Results of the current sampling event are presented below in Table A:

TABLE A: GROUNDWATER ANALYTICAL DATA								
Well ID	TPH <sub>mo</sub> (µg/L)	TPH <sub>d</sub> (µg/L)	TPH <sub>g</sub> (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)
<i>ESLs</i>	<b>100</b>	<b>100</b>	<b>100</b>	<b>1.0</b>	<b>40</b>	<b>30</b>	<b>20</b>	<b>5</b>
MW-1	<38	69 J	<b>270</b>	<0.5	<0.5	<0.5	<0.5	<b>24</b>
MW-2A	<38	<50	<b>310</b>	<0.5	<0.5	<0.5	<0.5	<b>130</b>
MW-3A	<38	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-4A	<38	78 J	<b>410</b>	<b>2</b>	0.8 J	0.7 J	0.7 J	<b>120</b>
MW-5	<38	<50	<50	<0.5	<0.5	<0.5	<0.5	0.9 J
MW-6	<38	<50	62 J	<3	<3	<3	<3	<3
MW-8	<38	<50	<50	<0.5	<0.5	<0.5	<0.5	0.7 J
MW-9	<38	<b>240</b>	<b>1,800</b>	<0.5	0.8 J	<0.5	0.5 J	<b>25</b>
Sump	<38	<50	<b>120</b>	<0.5	<0.5	<0.5	<0.5	<b>6</b>
µg/L	Micrograms per liter							
J	Estimated value between method detection limit and laboratory reporting limit							
<x	Indicates constituent was not detected at or above laboratory reporting limit							
ESL	Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Prepared by California Regional Water Quality Control Board San Francisco Bay Region, Interim Final - November 2007, (Revised May 2008), Table F-1a-Groundwater Screening Levels-Current or Potential Drinking Water Resource.							

## CONCLUSIONS AND RECOMMENDATIONS

The results of ongoing groundwater monitoring and sampling at the site indicate the following:

- Dissolved hydrocarbon concentrations are within historical ranges, seasonal fluctuations, and are stable or decreasing

CRA will continue semi-annual monitoring and sampling to verify decreasing concentration trends over time.

## ANTICIPATED FUTURE ACTIVITIES

### *Groundwater Monitoring*

Blaine Tech will monitor and sample site wells per the established schedule. CRA will submit a groundwater monitoring and sampling report.



**CONESTOGA-ROVERS  
& ASSOCIATES**

May 13, 2013

Reference No. 311973

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*Additional Assessment*

CRA is awaiting ACEH approval to conduct the additional assessment as outlined in CRA's *Work Plan Addendum for Additional Assessment* dated April 30, 2013.

Please contact Nathan Lee at (925) 849-1003 if you have any questions or require additional information.

Regards,

CONESTOGA-ROVERS & ASSOCIATES



*Nathan Lee*

Nathan Lee, PG 8486

CH/cw/16

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: Catalina Espino Devine, Chevron (*electronic copy*)  
Diocese of Oakland  
Michael E. Delehunt Foley & Lardner LLP  
William Spencer, FWS Highland LLC

## FIGURES

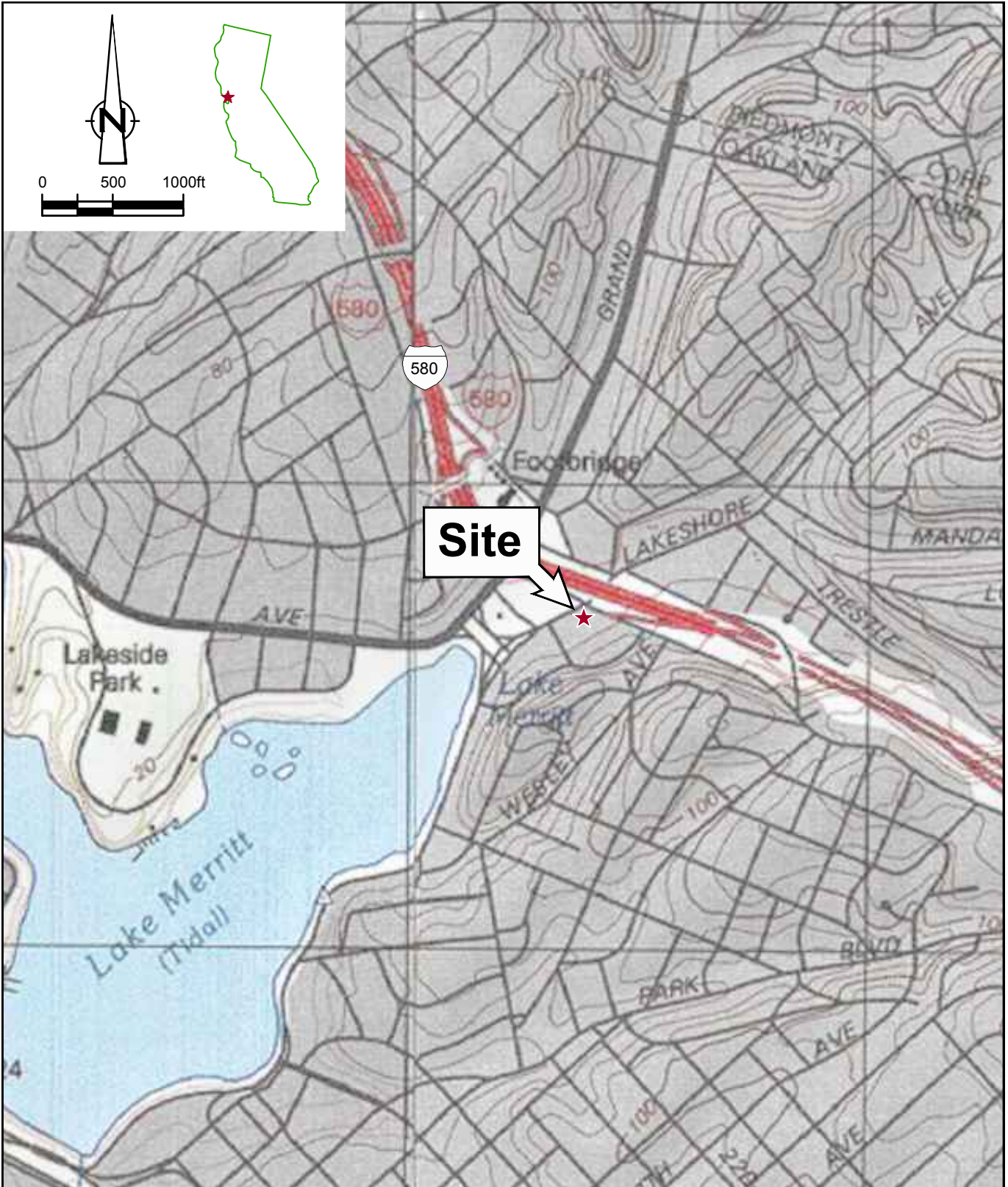
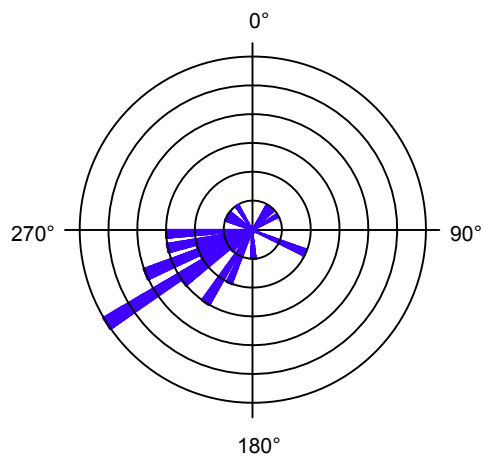
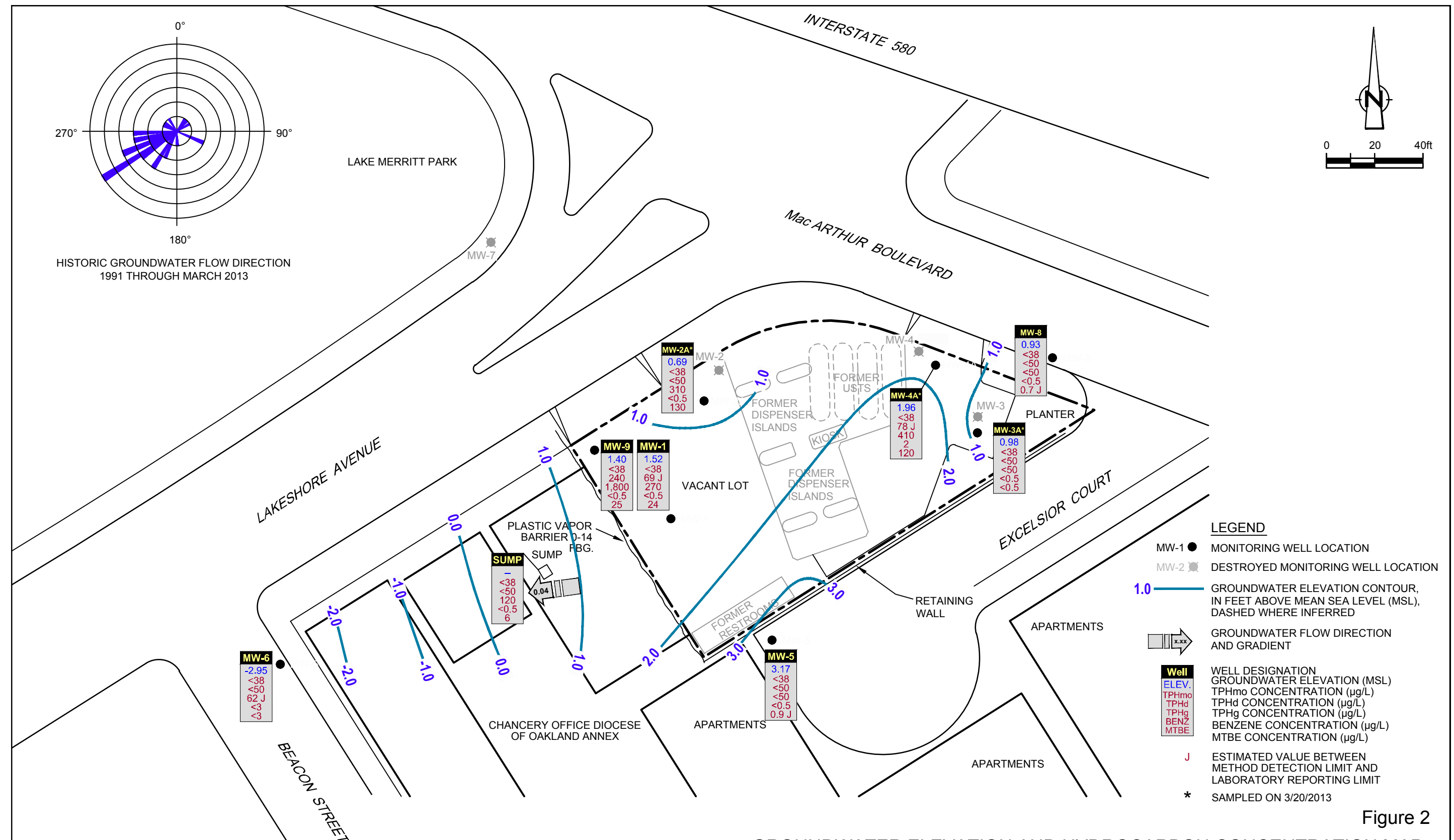
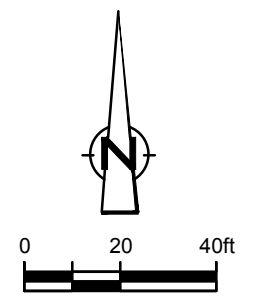


Figure 1  
 VICINITY MAP  
 FORMER CHEVRON SERVICE STATION 90121  
 3026 LAKESHORE AVENUE  
 Oakland, California





HISTORIC GROUNDWATER FLOW DIRECTION  
1991 THROUGH MARCH 2013



- LEGEND**
- MW-1 ● MONITORING WELL LOCATION
  - MW-2 ☼ DESTROYED MONITORING WELL LOCATION
  - 1.0 — GROUNDWATER ELEVATION CONTOUR, IN FEET ABOVE MEAN SEA LEVEL (MSL), DASHED WHERE INFERRED
  - x.xx GROUNDWATER FLOW DIRECTION AND GRADIENT
  - Well**  
ELEV. GROUNDWATER ELEVATION (MSL)  
TPHmo TPHmo CONCENTRATION (µg/L)  
TPHd TPHd CONCENTRATION (µg/L)  
TPHg TPHg CONCENTRATION (µg/L)  
BENZ BENZENE CONCENTRATION (µg/L)  
MTBE MTBE CONCENTRATION (µg/L)
  - J ESTIMATED VALUE BETWEEN METHOD DETECTION LIMIT AND LABORATORY REPORTING LIMIT
  - \* SAMPLED ON 3/20/2013

Figure 2  
GROUNDWATER ELEVATION AND HYDROCARBON CONCENTRATION MAP  
FORMER CHEVRON SERVICE STATION 90121  
3026 LAKESHORE AVENUE  
Oakland, California  
March 19, 2013



## TABLE



TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 FORMER CHEVRON SERVICE STATION 90121  
 3026 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	GENERAL CHEMISTRY					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE by SW8260		Ethanol	Ferrous Iron	Nitrate	Total Alkalinity	Sulfate	Total Dissolved Solids
Units	ft	ft	ft-amsl	ft	gal	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	µg/L	µg/L	µg/L	
MW-1	08/20/1991	6.82	5.20	1.62	0.00	0.00	-	-	260	-	5,100	1,700	21	220	34	-	-	-	-	-	-	-	-
MW-1	09/30/1991	6.82	5.67	1.15	Sheen	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	10/28/1991	6.82	5.30	1.50	0.03	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	01/08/1992	6.82	5.15	1.67	Sheen	0.00	-	-	4,400	-	5,400	770	13	95	31	-	-	-	-	-	-	-	-
MW-1	01/13/1992	6.82	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	06/23/1992	6.89	5.41	1.48	0.00	0.00	-	-	2,000	-	7,700	1,500	40	230	100	-	-	-	-	-	-	-	-
MW-1	08/24/1992	6.89	5.77	1.12	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	09/21/1992	6.89	5.89	1.00	0.00	0.00	-	-	<50	-	3,500	1,700	28	190	78	-	-	-	-	-	-	-	-
MW-1	10/26/1992	6.89	5.94	0.95	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	12/23/1992	6.89	4.71	2.18	0.00	0.00	-	-	5,500	-	60,000	7,100	240	2,000	1,300	-	-	-	-	-	-	-	-
MW-1	01/08/1993	6.89	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	03/25/1993	6.89	4.72	2.17	0.00	0.00	-	-	<10	-	530	1,100	41	67	79	-	-	-	-	-	-	-	-
MW-1	06/11/1993	6.89	5.07	5.37	0.00	0.00	-	-	-	-	7,000	1,900	33	120	69	9,600	-	-	-	-	-	-	840
MW-1	09/29/1993	6.89	5.76	1.13	0.00	0.00	-	-	<10	-	6,600	1,600	28	43	74	-	-	-	-	-	-	-	-
MW-1	12/20/1993	6.89	5.15	1.74	0.00	0.00	-	-	<10	-	6,300	1,900	36	82	65	-	-	-	-	-	-	-	-
MW-1	03/07/1994	6.89	4.68	2.21	0.00	0.00	-	-	<10	-	7,700	1,100	55	66	38	12,000	-	-	-	-	-	-	-
MW-1	06/17/1994	6.89	5.06	1.83	0.00	0.00	-	-	2,200	-	4,300	710	12	90	38	-	-	-	-	-	-	-	-
MW-1	09/12/1994	6.89	5.65	1.24	0.00	0.00	-	-	2,500	-	6,400	1,500	<25	180	<25	12,000	-	-	-	-	-	-	-
MW-1	11/30/1994	6.89	4.57	2.32	0.00	0.00	-	-	2,300 <sup>1</sup>	-	4,900	690	26	97	60	3,900	-	-	-	-	-	-	-
MW-1	03/24/1995	6.89	2.98	3.91	0.00	0.00	-	-	1,400 <sup>2</sup>	-	1,800	160	7.3	11	14	1,300	-	-	-	-	-	-	-
MW-1	06/27/1995	6.89	5.02	1.87	0.00	0.00	-	-	2,300 <sup>2</sup>	-	4,600	1,300	11	97	13	5,100	-	-	-	-	-	-	-
MW-1	09/28/1995	6.89	5.30	1.59	0.00	0.00	-	-	3,900 <sup>2</sup>	-	6,600	1,500	<20	<20	<20	5,800	-	-	-	-	-	-	-
MW-1	12/19/1995	6.89	4.68	2.21	0.00	0.00	-	-	2,600 <sup>2</sup>	-	3,800	930	<10	100	<10	6,300	-	-	-	-	-	-	-
MW-1	02/28/1996	6.89	3.62	3.27	0.00	0.00	-	-	1,800 <sup>2</sup>	-	3,600	280	<5.0	18	5.5	2,200	-	-	-	-	-	-	-
MW-1	06/25/1996	6.89	5.02	1.87	0.00	0.00	-	-	3,000	-	4,700	1,600	36	150	31	3,000	-	-	-	-	-	-	-
MW-1	12/17/1996	6.89	4.66	2.23	0.00	0.00	-	-	2,700 <sup>3</sup>	-	7,800	1,000	28	340	63	1,200	-	-	-	-	-	-	-
MW-1	03/31/1997	6.89	4.88	2.01	0.00	0.00	-	-	2,200 <sup>2</sup>	-	5,300	590	55	210	53	950	-	-	-	-	-	-	-
MW-1	06/30/1997	6.89	5.57	1.32	0.00	0.00	-	-	2,200 <sup>2</sup>	-	4,400	350	<10	<10	11	580	-	-	-	-	-	-	-
MW-1	09/12/1997	6.89	5.33	1.56	0.00	0.00	-	-	2,300 <sup>2</sup>	-	3,400	220	9.5	15	11	460	-	-	-	-	-	-	-
MW-1	12/05/1997	6.89	4.45	2.44	0.00	0.00	-	-	1,900 <sup>2</sup>	-	4,700	870	21	120	18	750	-	-	-	-	-	-	-
MW-1	02/16/1998	6.89	3.37	3.52	0.00	0.00	-	-	1,600 <sup>2</sup>	-	4,400	120	12	11	7.7	270	-	-	-	-	-	-	-
MW-1	06/17/1998	6.89	4.65	2.24	0.00	0.00	-	-	1,300 <sup>2</sup>	-	7,800	<25	50	34	650	650	-	-	-	-	-	-	-
MW-1	08/31/1998	6.89	5.19	1.70	0.00	0.00	-	-	2,400 <sup>2</sup>	-	3,700	620	17	120	31	380	-	-	-	-	-	-	-

TABLE 1

**GROUNDWATER MONITORING AND SAMPLING DATA  
FORMER CHEVRON SERVICE STATION 90121  
3026 LAKESHORE AVENUE  
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	GENERAL CHEMISTRY					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE by SW8260		Ethanol	Ferrous Iron	Nitrate	Total Alkalinity	Sulfate	Total Dissolved Solids
	Units	ft	ft	ft-amsl	ft	gal	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	µg/L	µg/L	µg/L
MW-1	12/28/1998	6.89	4.95	1.94	0.00	0.00	-	-	1,500 <sup>2</sup>	-	3,800	250	14	28	15	330	-	4900	<1,000	390000	<1,000	-	
MW-1	03/04/1999	6.89	3.65	3.24	0.00	0.00	-	-	1,070 <sup>2</sup>	-	1,560	17.9	<0.5	4.17	1.05	70.4	-	-	-	-	-	-	
MW-1	06/14/1999	6.89	5.00	1.89	0.00	0.00	-	-	2,500 <sup>2</sup>	-	<10,000	820	240	320	640	<500	-	-	-	-	-	-	
MW-1	09/17/1999	6.89	6.59	0.30	0.00	0.00	-	-	2,110 <sup>2</sup>	-	3,300	141	12.3	<10	<10	238	-	-	-	-	-	-	
MW-1	12/20/1999	6.89	4.97	1.92	0.00	0.00	-	-	1,840 <sup>2</sup>	-	2,990	218	16.3	20	<10	232	-	-	-	-	-	-	
MW-1	03/20/2000	6.89	3.78	3.11	0.00	0.00	-	-	938 <sup>2</sup>	-	1,340	20	3.07	1.87	1.87	29.1	-	-	-	-	-	-	
MW-1	06/24/2000	6.89	4.44	2.45	0.00	0.00	-	-	1,680 <sup>9</sup>	-	1,500 <sup>7</sup>	12	5.3	<2.5	7.9	190	-	-	-	-	-	-	
MW-1	09/07/2000	6.89	5.15	1.74	0.00	0.00	-	-	1,500 <sup>9</sup>	-	3,100 <sup>7</sup>	190	13	14	<10	210	-	-	-	-	-	-	
MW-1	12/05/2000	6.89	4.73	2.16	0.00	0.00	-	-	970 <sup>13</sup>	-	2,140 <sup>14</sup>	248	<5.00	20.5	<5.00	<25.0	-	-	-	-	-	-	
MW-1	03/01/2001	6.89	3.56	3.33	0.00	0.00	-	-	610 <sup>9</sup>	-	1,000 <sup>7</sup>	21	<10	<10	<10	280	-	-	-	-	-	-	
MW-1	06/04/2001	6.89	4.76	2.13	0.00	0.00	-	-	1,100 <sup>9</sup>	-	2,800 <sup>7</sup>	310	23	11	15	470	-	-	-	-	-	-	
MW-1	09/10/2001	6.89	5.61	1.28	0.00	0.00	-	-	2,600	-	2,500 <sup>16</sup>	<20	26	<20	<20	310	-	-	-	-	-	-	
MW-1	12/03/2001	6.89	3.58	3.31	0.00	0.00	-	-	2,700	-	2,400	30	7.3	7.0	6.5	160	-	-	-	-	-	-	
MW-1	03/04/2002	6.89	4.53	2.36	0.00	0.00	-	-	2,700	-	3,300	120	17	22	9.0	110	-	-	-	-	-	-	
MW-1	05/30/2002	6.89	4.48	2.41	0.00	0.00	-	-	2,700	-	4,100	110	9.3	22	11	100	-	-	-	-	-	-	
MW-1	09/03/2002	6.89	5.47	1.42	0.00	0.00	-	-	2,900	-	3,700	<5.0	7.8	3.2	10	130	-	-	-	-	-	-	
MW-1	12/09/2002	6.89	5.28	1.61	0.00	0.00	-	-	3,000	-	2,900	35	5.1	5.5	8.3	170	-	-	-	-	-	-	
MW-1	03/10/2003	6.89	4.39	2.50	0.00	0.00	-	-	1,600	-	3,000	42	5.0	8.2	8.7	110	-	-	-	-	-	-	
MW-1	06/09/2003 <sup>5,18</sup>	6.89	4.36	2.53	0.00	0.00	-	-	2,000	-	5,200	140	16	20	15	100	-	-	-	-	-	-	
MW-1	09/08/2003 <sup>5,18</sup>	6.89	5.37	1.52	0.00	0.00	-	-	2,100	-	3,500	4	10	2	11	200	<50	-	-	-	-	-	
MW-1	12/08/2003 <sup>5,18</sup>	6.89	4.45	2.44	0.00	0.00	-	-	3,400	-	2,200	8	4	3	8	160	<50	-	-	-	-	-	
MW-1	03/09/2004 <sup>18,20</sup>	6.89	4.03	2.86	0.00	0.00	-	-	3,300	-	1,500	16	3	5	4	99	<130	-	-	-	-	-	
MW-1	06/17/2004 <sup>18</sup>	6.89	5.48	1.41	0.00	0.00	-	-	2,700	-	3,400	180	13	27	13	160	<50	-	-	-	-	-	
MW-1	09/15/2004 <sup>18</sup>	6.89	7.80	-0.91	0.00	0.00	-	-	2,600	-	1,700	2	1	0.8	5	180	<50	-	-	-	-	-	
MW-1	12/23/2004 <sup>18</sup>	6.89	5.54	1.35	0.00	0.00	-	-	3,000	-	1,800	120	3	5	5	120	<50	-	-	-	-	-	
MW-1	03/24/2005 <sup>18</sup>	6.89	3.40	3.49	0.00	0.00	-	-	950	-	1,100	45	2	5	2	16	<50	-	-	-	-	-	
MW-1	09/16/2005 <sup>18</sup>	6.89	5.79	1.10	0.00	0.00	-	-	2,200	-	3,700	74	9	21	14	150	<50	-	-	-	-	-	
MW-1	12/21/2005 <sup>18</sup>	6.89	3.78	3.11	0.00	0.00	-	-	1,600 <sup>22</sup>	-	1,400	53	2	4	4	62	<50	-	-	-	-	-	
MW-1	03/23/2006 <sup>18</sup>	6.89	3.56	3.33	0.00	0.00	-	-	1,400	-	1,100	3	2	2	3	26	<50	-	-	-	-	-	
MW-1	06/09/2006 <sup>18</sup>	6.89	4.78	2.11	0.00	0.00	-	-	1,300	-	5,200	160	13	42	20	77	<50	-	-	-	-	-	
MW-1	09/05/2006 <sup>18</sup>	6.89	6.00	0.89	0.00	0.00	-	-	1,600	-	2,000	0.8	<0.5	<0.5	0.8	1,500	<50	-	-	-	-	-	
MW-1	12/15/2006 <sup>18</sup>	6.89	4.05	2.84	0.00	0.00	-	-	1,800	-	1,400	3	0.9	1	5	47	<50	-	-	-	-	-	
MW-1	03/01/2007 <sup>18</sup>	6.89	3.93	2.96	0.00	0.00	-	-	1,500	-	1,000	23	3	3	3	16	<50	-	-	-	-	-	

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 FORMER CHEVRON SERVICE STATION 90121  
 3026 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	GENERAL CHEMISTRY					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE by SW8260		Ethanol	Ferrous Iron	Nitrate	Total Alkalinity	Sulfate	Total Dissolved Solids
							μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L							
MW-1	06/05/2007 <sup>18</sup>	6.89	4.81	2.08	0.00	0.00	-	-	1,200	-	4,000	90	9	21	12	68	<50	-	-	-	-	-	
MW-1	09/05/2007 <sup>18</sup>	6.89	5.71	1.18	0.00	0.00	-	-	1,800	-	2,000	3	2	1	6	66	<50	-	-	-	-	-	
MW-1	12/05/2007 <sup>18</sup>	6.89	5.02	1.87	0.00	0.00	-	-	1,200	-	2,400	58	6	7	7	97	150	-	-	-	-	-	
MW-1	03/03/2008 <sup>18</sup>	6.89	4.53	2.36	0.00	0.00	-	-	1,400	-	1,500	13	2	2	3	36	<50	-	-	-	-	-	
MW-1	06/02/2008 <sup>18</sup>	6.89	5.77	1.12	0.00	0.00	-	-	1,000	-	1,100	1	1	<0.5	3	59	<50	-	-	-	-	-	
MW-1	09/04/2008 <sup>18</sup>	6.89	6.11	0.78	0.00	0.00	-	-	1,000	-	1,200	0.6	<0.5	<0.5	2	20	<50	-	-	-	-	-	
MW-1	12/04/2008 <sup>18</sup>	6.89	6.11	0.78	0.00	0.00	-	-	2,400	-	810	1	0.8	<0.5	1	91	<50	-	-	-	-	-	
MW-1	02/26/2009 <sup>18</sup>	6.89	4.31	2.58	0.00	0.00	-	-	1,300	-	460	2	2	<0.5	<0.5	39	-	-	-	-	-	-	
MW-1	06/30/2009 <sup>18</sup>	6.89	5.42	1.47	0.00	0.00	-	-	1,700	-	2,900	14	4	3	6	70	<50	-	-	-	-	-	
MW-1	09/29/2009 <sup>18</sup>	6.89	5.81	1.08	0.00	0.00	-	-	1,600	-	1,000	<0.5	<0.5	<0.5	1	37	<50	-	-	-	-	-	
MW-1	03/10/2010 <sup>18</sup>	6.89	3.80	3.09	0.00	0.00	-	-	570	-	450	0.9 J	<0.5	<0.5	<0.5	18	<50	-	-	-	-	-	
MW-1	09/15/2010	6.89	6.42	0.47	0.00	0.00	-	-	1,400	-	1,600	<0.5	0.6 J	<0.5	3	25	<50	-	-	-	-	-	
MW-1	03/14/2011	6.89	4.05	2.84	0.00	0.00	94 J	-	56 J	-	220	<0.5	<0.5	<0.5	<0.5	10	<50	-	-	-	-	-	
MW-1	09/26/2011	6.89	6.42	0.47	0.00	0.00	-	160	-	200	260	<0.5	<0.5	<0.5	<0.5	11	<50	-	-	-	-	-	
MW-1	03/30/2012	6.89	3.31	3.58	0.00	0.00	-	<38	-	<50	100	<0.5	<0.5	<0.5	<0.5	4	<50	-	-	-	-	-	
MW-1	09/22/2012	6.89	6.48	0.41	0.00	0.00	-	<38	-	73 J	320	<0.5	<0.5	<0.5	<0.5	16	<50	-	-	-	-	-	
<b>MW-1</b>	<b>03/19/2013</b>	<b>6.89</b>	<b>5.37</b>	<b>1.52</b>	<b>0.00</b>	<b>0.00</b>	-	<b>&lt;38</b>	-	<b>69 J</b>	<b>270</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>24</b>	<b>&lt;50</b>	-	-	-	-	-	
MW-2	08/20/1991	6.27	4.35	1.92	0.00	0.00	-	-	600	-	9,300	3,700	55	530	75	-	-	-	-	-	-	-	
MW-2	09/30/1991	6.27	4.99	1.28	0.00	0.00	-	-	-	-	3,500	2,600	47	440	68	-	-	-	-	-	-	-	
MW-2	10/28/1991	6.27	4.91	1.36	0.00	0.00	-	-	-	-	4,600	1,800	29	290	53	-	-	-	-	-	-	-	
MW-2	01/08/1992	6.27	4.64	1.63	Sheen	0.00	-	-	-	-	14,000	4,300	70	<25	130	-	-	-	-	-	-	-	
MW-2	01/13/1992	6.27	-	-	0.00	0.00	-	-	38,000	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-2	06/23/1992	6.27	4.64	1.63	0.02	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-2	08/24/1992	6.27	4.94	1.34	0.02	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-2	09/21/1992	6.27	5.08	1.20	0.01	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-2	10/26/1992	6.27	5.93	0.34	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-2	12/23/1992	6.27	-	-	0.00	0.00	-	-	160,000	-	21,000	5,400	59	1,300	160	-	-	-	-	-	-	-	
MW-2	01/08/1993	6.27	3.70	2.57	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-2	03/25/1993	6.27	3.38	2.89	Sheen	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-2	06/11/1993	6.27	4.18	2.09	0.00	0.00	-	-	-	-	5,900	1,100	23	240	51	-	-	-	-	-	-	2,300	
MW-2	09/29/1993	6.27	6.20	0.07	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
MW-2	12/20/1993	6.27	4.35	1.94	0.02	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 FORMER CHEVRON SERVICE STATION 90121  
 3026 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	GENERAL CHEMISTRY					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE by SW8260		Ethanol	Ferrous Iron	Nitrate	Total Alkalinity	Sulfate	Total Dissolved Solids
Units	ft	ft	ft-amsl	ft	gal	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	µg/L	µg/L	µg/L	
MW-2	03/07/1994	6.27	3.67	2.60	0.00	0.00	-	-	<10	-	26,000	5,700	170	1,000	150	-	-	-	-	-	-	-	-
MW-2	06/17/1994	6.27	4.02	2.25	Sheen	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	09/12/1994	6.27	4.83	1.45	0.01	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/30/1994 <sup>26</sup>	6.27	4.00	2.27	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	03/24/1995	6.27	4.01	2.73	0.59	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	06/27/1995	6.27	4.96	1.71	0.50	0.013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	09/28/1995	6.27	4.25	2.62	0.75	0.013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/19/1995	6.27	4.76	1.99	0.60	0.010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	02/28/1996	6.27	4.58	1.99	0.38	0.008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	06/25/1996	6.27	4.29	2.36	0.47	0.030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/17/1996	6.27	4.16	2.22	0.14	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	03/31/1997	6.27	4.07	2.34	0.18	0.030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	06/30/1997	6.27	4.32	2.06	0.14	0.030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	09/12/1997	6.27	4.38	2.00	0.14	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/05/1997	6.27	3.78	2.51	0.02	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	02/16/1998	6.27	3.29	3.08	0.12	0.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	06/17/1998	6.27	4.00	2.35	0.10	0.010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	08/31/1998	6.27	5.71	0.65	0.11	0.008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/28/1998	6.27	4.60	1.75	0.10	0.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	03/04/1999	6.27	3.73	2.58	0.05	0.200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2A	04/19/1999	6.53	4.86	1.67	0.00	0.00	-	-	820 <sup>2</sup>	-	<2,000	<20	<20	<20	<20	9,200	-	-	-	-	-	-	-
MW-2A	06/14/1999	6.53	5.30	1.23	0.00	0.00	-	-	2,000 <sup>2</sup>	-	<5,000	89	<50	66	<50	10,000	-	-	-	-	-	-	-
MW-2A	09/17/1999	6.53	5.84	0.69	0.00	0.00	-	-	1,050 <sup>2</sup>	-	903	42	1.63	22.8	7.74	11,400	-	-	-	-	-	-	-
MW-2A	12/20/1999	6.53	6.60	-0.07	0.00	0.00	-	-	2,820 <sup>2</sup>	-	2,280	115	<10	87.2	27.2	14,000	-	-	-	-	-	-	-
MW-2A	03/20/2000	6.53	4.79	1.74	0.00	0.00	-	-	1,220 <sup>2</sup>	-	1,040	54.3	<5.0	33.8	12.1	10,900 <sup>2</sup>	-	-	-	-	-	-	-
MW-2A	06/24/2000	6.53	5.25	1.28	0.00	0.00	-	-	1,300 <sup>9</sup>	-	690 <sup>7</sup>	50	2.5	18	9.5	15,000 <sup>8</sup>	-	-	-	-	-	-	-
MW-2A	09/07/2000	6.53	5.44	1.09	0.00	0.00	-	-	770 <sup>9</sup>	-	310 <sup>7</sup>	6.7	1.4	1.6	3.8	16,000	-	-	-	-	-	-	-
MW-2A	12/05/2000	6.53	5.37	1.16	0.00	0.00	-	-	810 <sup>13</sup>	-	414 <sup>14</sup>	32.4	<0.500	7.49	5.96	8,910 <sup>8</sup>	-	-	-	-	-	-	-
MW-2A	03/01/2001	6.53	4.50	2.03	0.00	0.00	-	-	590 <sup>9</sup>	-	370 <sup>7</sup>	30	4.0	12	9.2	8,200	-	-	-	-	-	-	-
MW-2A	06/04/2001	6.53	5.17	1.36	0.00	0.00	-	-	930 <sup>9</sup>	-	<500	19	<5.0	<5.0	<5.0	7,800	-	-	-	-	-	-	-
MW-2A	09/10/2001	6.53	5.74	0.79	0.00	0.00	-	-	2,400	-	<5,000	<50	<50	<50	<50	9,700	-	-	-	-	-	-	-
MW-2A	12/03/2001	6.53	5.07	1.46	0.00	0.00	-	-	2,500	-	480	4.5	<1.0	1.1	<3.0	10,000	-	-	-	-	-	-	-

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GROUNDWATER MONITORING AND SAMPLING DATA  
 FORMER CHEVRON SERVICE STATION 90121  
 3026 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCs				MTBE by SW8260	Ethanol	GENERAL CHEMISTRY				
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X			Ferrous Iron	Nitrate	Total Alkalinity	Sulfate	Total Dissolved Solids
Units	ft	ft	ft-amsl	ft	gal	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	µg/L	µg/L	µg/L
MW-2A	03/04/2002	6.53	5.01	1.52	0.00	0.00	-	-	2,300	-	630	5.4	1.5	2.9	2.3	7,000	-	-	-	-	-	-
MW-2A	05/30/2002	6.53	4.87	1.66	0.00	0.00	-	-	2,100	-	520	6.1	<1.0	2.6	5.4	7,100	-	-	-	-	-	-
MW-2A	09/03/2002	6.53	5.50	1.03	0.00	0.00	-	-	2,600	-	590	7.8	0.98	2.9	7.8	7,800	-	-	-	-	-	-
MW-2A	12/09/2002	6.53	5.47	1.06	0.00	0.00	-	-	1,900	-	670	7.9	0.88	2.1	5.0	8,300	-	-	-	-	-	-
MW-2A	03/10/2003	6.53	5.01	1.52	0.00	0.00	-	-	1,700	-	640	8.0	0.76	2.6	4.1	7,500	-	-	-	-	-	-
MW-2A	06/09/2003 <sup>18</sup>	6.53	4.76	1.77	0.00	0.00	-	-	1,900	-	540	3	<3	<3	<3	6,800	-	-	-	-	-	-
MW-2A	09/08/2003 <sup>18</sup>	6.53	5.37	1.16	0.00	0.00	-	-	2,000	-	540	3	0.7	0.7	3	7,000	<50	-	-	-	-	-
MW-2A	12/08/2003 <sup>18</sup>	6.53	5.19	1.34	0.00	0.00	-	-	3,100	-	480	<5	<5	<5	<5	6,500	<500	-	-	-	-	-
MW-2A	03/09/2004 <sup>18</sup>	6.53	4.72	1.81	0.00	0.00	-	-	1,200	-	1,300	44	2	15	10	2,900	<130	-	-	-	-	-
MW-2A	06/17/2004 <sup>18</sup>	6.53	6.60	-0.07	0.00	0.00	-	-	2,300	-	920	23	2	6	12	1,700	<100	-	-	-	-	-
MW-2A	09/15/2004 <sup>18</sup>	6.53	8.87	-2.34	0.00	0.00	-	-	1,900	-	880	6	2	<1	7	2,100	<100	-	-	-	-	-
MW-2A	12/23/2004 <sup>18</sup>	6.53	5.85	0.68	0.00	0.00	-	-	2,200	-	430	6	<3	<3	<3	5,100	<250	-	-	-	-	-
MW-2A	03/24/2005 <sup>18</sup>	6.53	4.75	1.78	0.00	0.00	-	-	810	-	390	<5	<5	<5	<5	5,200	<500	-	-	-	-	-
MW-2A	06/16/2005 <sup>18</sup>	6.53	5.23	1.30	0.00	0.00	-	-	3,000	-	380	<5	<5	<5	<5	5,500	<500	-	-	-	-	-
MW-2A	09/16/2005 <sup>18</sup>	6.53	6.08	0.45	0.00	0.00	-	-	2,600	-	380	<5	<5	<5	<5	5,900	<500	-	-	-	-	-
MW-2A	12/21/2005 <sup>18</sup>	6.53	4.98	1.55	0.00	0.00	-	-	4,000 <sup>23</sup>	-	450	1	0.6	<0.5	2	4,800	<50	-	-	-	-	-
MW-2A	03/23/2006 <sup>18</sup>	6.53	4.56	1.97	0.00	0.00	-	-	2,600	-	330	1	0.8	<0.5	2	4,500	-	-	-	-	-	-
MW-2A	06/09/2006 <sup>18</sup>	6.53	5.16	1.37	0.00	0.00	-	-	2,800	-	500	<1	<1	<1	<1	4,500	<100	-	-	-	-	-
MW-2A	09/05/2006 <sup>18</sup>	6.53	5.81	0.72	0.00	0.00	-	-	3,000	-	510	<5	<5	<5	<5	3,600	<500	-	-	-	-	-
MW-2A	12/15/2006 <sup>18</sup>	6.53	5.05	1.48	0.00	0.00	-	-	2,800	-	600	4	<1	<1	1	4,000	<100	-	-	-	-	-
MW-2A	03/01/2007 <sup>18</sup>	6.53	5.03	1.50	0.00	0.00	-	-	1,800	-	230	<3	<3	<3	<3	3,700	<250	-	-	-	-	-
MW-2A	06/05/2007 <sup>18</sup>	6.53	4.81	1.72	0.00	0.00	-	-	1,700	-	480	0.9	0.6	<0.5	2	3,500	<50	-	-	-	-	-
MW-2A	09/05/2007 <sup>18</sup>	6.53	5.25	1.28	0.00	0.00	-	-	2,400	-	430	1	1	<0.5	2	1,700	<50	-	-	-	-	-
MW-2A	12/05/2007 <sup>18</sup>	6.53	5.28	1.25	0.00	0.00	-	-	2,000	-	530	2	<1	<1	2	3,400	<100	-	-	-	-	-
MW-2A	03/03/2008 <sup>18</sup>	6.53	5.13	1.40	0.00	0.00	-	-	2,100	-	960	85	3	3	5	520	<50	-	-	-	-	-
MW-2A	06/02/2008 <sup>18</sup>	6.53	5.60	0.93	0.00	0.00	-	-	2,300	-	600	10	1	0.7	5	1,300	<50	-	-	-	-	-
MW-2A	09/04/2008 <sup>18</sup>	6.53	5.72	0.81	0.00	0.00	-	-	2,600	-	440	<1	<1	<1	1	2,500	<100	-	-	-	-	-
MW-2A	12/04/2008 <sup>18</sup>	6.53	6.20	0.33	0.00	0.00	-	-	4,000	-	480	<1	<1	<1	1	2,400	<100	-	-	-	-	-
MW-2A	02/26/2009 <sup>18</sup>	6.53	4.39	2.14	0.00	0.00	-	-	860	-	420	44	4	3	3	18	<50	-	-	-	-	-
MW-2A	06/30/2009 <sup>18</sup>	6.53	5.38	1.15	0.00	0.00	-	-	2,900	-	500	1	13	2	22	1,900	<50	-	-	-	-	-
MW-2A	09/29/2009 <sup>18</sup>	6.53	5.70	0.83	0.00	0.00	-	-	4,200	-	500	2	1	<0.5	5	900	<50	-	-	-	-	-
MW-2A	03/10/2010 <sup>18</sup>	6.53	3.77	2.76	0.00	0.00	-	-	1,100	-	900	90	4	2	2	27	<50	-	-	-	-	-
MW-2A	09/15/2010	6.53	5.80	0.73	0.00	0.00	-	-	2,800	-	360	<0.5	<0.5	<0.5	2	24	<50	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 FORMER CHEVRON SERVICE STATION 90121  
 3026 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	GENERAL CHEMISTRY				
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE by SW8260		Ethanol	Ferrous Iron	Nitrate	Total Alkalinity	Sulfate
Units	ft	ft	ft-amsl	ft	gal	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	µg/L	µg/L	µg/L
MW-2A	03/14/2011	6.53	4.72	1.81	0.00	0.00	540	-	670	-	960	34	4	1	4	39	<50	-	-	-	-	-
MW-2A	09/26/2011	6.53	5.95	0.58	0.00	0.00	-	<39	-	120	340	<0.5	<0.5	<0.5	0.7 J	80	<50	-	-	-	-	-
MW-2A	03/30/2012	6.53	4.18	2.35	0.00	0.00	-	<38	-	82 J	360	<0.5	<0.5	<0.5	2	200	<50	-	-	-	-	-
MW-2A	09/22/2012	6.53	6.23	0.30	0.00	0.00	-	<38	-	50 J	350	<0.5	<0.5	<0.5	1	86	<50	-	-	-	-	-
<b>MW-2A</b>	<b>03/20/2013</b>	<b>6.53</b>	<b>5.84</b>	<b>0.69</b>	<b>0.00</b>	<b>0.00</b>	-	<b>&lt;38</b>	-	<b>&lt;50</b>	<b>310</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>&lt;0.5</b>	<b>130</b>	<b>&lt;50</b>	-	-	-	-	-
MW-3	08/20/1991	8.71	8.45	0.26	0.00	0.00	-	-	200	-	3,100	200	13	15	12	-	-	-	-	-	-	-
MW-3	09/30/1991	8.71	8.74	-0.03	0.00	0.00	-	-	-	-	1,000	150	8.3	13	6.7	-	-	-	-	-	-	-
MW-3	10/28/1991	8.71	8.76	-0.05	0.00	0.00	-	-	-	-	1,200	120	6.7	11	7.5	-	-	-	-	-	-	-
MW-3	01/08/1992	8.71	8.77	-0.06	0.00	0.00	-	-	-	-	410	120	0.9	4.1	3.4	-	-	-	-	-	-	-
MW-3	01/13/1992	8.71	-	-	0.00	0.00	-	-	220	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	06/23/1992	8.71	8.68	0.03	0.00	0.00	-	-	<50	-	630	43	0.8	8.2	3.4	-	-	-	-	-	-	-
MW-3	08/24/1992	8.71	8.85	-0.14	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	09/21/1992	8.71	8.94	-0.23	0.00	0.00	-	-	<50	-	1,800	730	1.4	66	39	-	-	-	-	-	-	-
MW-3	10/26/1992	8.71	9.07	-0.36	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	12/23/1992	8.71	-	-	0.00	0.00	-	-	850	-	840	270	3.4	15	4.2	-	-	-	-	-	-	-
MW-3	01/08/1993	8.71	7.69	1.02	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	03/25/1993	8.71	7.74	0.97	0.00	0.00	-	-	<10	-	760	270	4.0	10	5.0	-	-	-	-	-	-	-
MW-3	06/11/1993	8.71	8.52	0.19	0.00	0.00	-	-	-	-	200	32	1.0	5.0	2.0	-	-	-	-	-	-	5,600
MW-3	09/29/1993	8.71	6.05	2.66	0.00	0.00	-	-	-	-	9,300	2,800	60	270	62	-	-	-	-	-	-	-
MW-3	12/20/1993	8.71	8.83	-0.12	0.00	0.00	-	-	<10	-	460	250	4.0	8.0	4.0	-	-	-	-	-	-	-
MW-3	03/07/1994	8.71	8.07	0.64	0.00	0.00	-	-	<10	-	2,400	260	13	35	18	-	-	-	-	-	-	-
MW-3	06/17/1994	8.71	8.52	0.19	0.00	0.00	-	-	<50	-	1,000	200	4.0	6.6	6.7	-	-	-	-	-	-	-
MW-3	09/12/1994	8.71	8.92	-0.21	0.00	0.00	-	-	<50	-	360	130	3.4	4.8	3.3	130	-	-	-	-	-	-
MW-3	11/30/1994 <sup>26</sup>	8.71	8.13	0.58	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	03/24/1995	8.71	6.78	1.93	0.00	0.00	-	-	1,200 <sup>2</sup>	-	4,100	920	<10	23	<10	70	-	-	-	-	-	-
MW-3	06/27/1995	8.71	8.22	0.49	0.00	0.00	-	-	1,000 <sup>2</sup>	-	3,100	640	16	31	<10	<50	-	-	-	-	-	-
MW-3	09/28/1995	8.71	8.85	-0.14	0.00	0.00	-	-	460 <sup>2</sup>	-	490	78	3.4	4.4	2.4	38	-	-	-	-	-	-
MW-3	12/19/1995	8.71	8.02	0.69	0.00	0.00	-	-	650 <sup>2</sup>	-	2,600	580	<10	25	<10	<50	-	-	-	-	-	-
MW-3	02/28/1996	8.71	7.55	1.16	0.00	0.00	-	-	780 <sup>2</sup>	-	1,500	510	<5.0	9.9	<5.0	<25	-	-	-	-	-	-
MW-3	06/25/1996	8.71	8.37	0.34	0.00	0.00	-	-	1,200 <sup>2</sup>	-	1,300	390	7.8	14	6.5	31	-	-	-	-	-	-
MW-3	12/17/1996	8.71	8.30	0.41	0.00	0.00	-	-	1,100 <sup>2</sup>	-	760	85	<1.2	5.9	5.1	<6.2	-	-	-	-	-	-
MW-3	03/31/1997	8.71	8.19	0.52	0.00	0.00	-	-	1,300 <sup>2</sup>	-	2,000	380	12	24	12	<25	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 FORMER CHEVRON SERVICE STATION 90121  
 3026 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	GENERAL CHEMISTRY					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE by SW8260		Ethanol	Ferrous Iron	Nitrate	Total Alkalinity	Sulfate	Total Dissolved Solids
	Units	ft	ft	ft-amsl	ft	gal	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	µg/L	µg/L	µg/L
MW-3	06/30/1997	8.71	8.71	0.00	0.00	0.00	-	-	620 <sup>2</sup>	-	1,900	340	9.9	23	6.1	<25	-	-	-	-	-	-	-
MW-3	09/12/1997	8.71	7.64	1.07	0.00	0.00	-	-	400 <sup>2</sup>	-	1,200	200	4.6	14	4.8	3.9	-	-	-	-	-	-	-
MW-3	12/05/1997	8.71	8.25	0.46	0.00	0.00	-	-	190 <sup>2</sup>	-	460	72	2.7	5.2	1.7	<5.0	-	-	-	-	-	-	-
MW-3	02/16/1998	8.71	7.00	1.71	0.00	0.00	-	-	1,000 <sup>2</sup>	-	6,200	1,100	20	34	12	<50	-	-	-	-	-	-	-
MW-3	06/17/1998	8.71	8.00	0.71	0.00	0.00	-	-	1,100 <sup>2</sup>	-	3,000	350	<10	<10	<10	120	-	-	-	-	-	-	-
MW-3	08/31/1998	8.71	8.63	0.08	0.00	0.00	-	-	790 <sup>2</sup>	-	430	100	2.6	8.6	6.0	<12	-	-	-	-	-	-	-
MW-3	12/28/1998	8.71	8.73	-0.02	0.00	0.00	-	-	180 <sup>2</sup>	-	1,400	220	<10	12	<10	<50	-	4500	<1,000	980000	390000	-	-
MW-3	03/04/1999	8.71	7.65	1.06	0.00	0.00	-	-	763 <sup>2</sup>	-	2,880	355	9.15	19	<5.0	<20	-	-	-	-	-	-	-
MW-3A	04/19/1999	8.70	7.70	1.00	0.00	0.00	-	-	93 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	3.1	-	-	-	-	-	-	-
MW-3A	06/14/1999	8.70	8.20	0.50	0.00	0.00	-	-	160 <sup>2</sup>	-	148	4.55	0.82	0.53	1.1	3.7	-	-	-	-	-	-	-
MW-3A	09/17/1999	8.70	8.72	-0.02	0.00	0.00	-	-	101 <sup>2</sup>	-	169	6.02	0.806	0.515	0.786	4.68	-	-	-	-	-	-	-
MW-3A	12/20/1999	8.70	8.92	-0.22	0.00	0.00	-	-	153 <sup>2</sup>	-	<50	1.82	<0.5	<0.5	<0.5	11	-	-	-	-	-	-	-
MW-3A	03/20/2000	8.70	7.64	1.06	0.00	0.00	-	-	223 <sup>2</sup>	-	140	5.08	0.695	<0.5	<0.5	10.1	-	-	-	-	-	-	-
MW-3A	06/24/2000	8.70	8.38	0.32	0.00	0.00	-	-	128 <sup>9</sup>	-	<50	0.74	<0.50	<0.50	<0.50	34	-	-	-	-	-	-	-
MW-3A	09/07/2000	8.70	8.79	-0.09	0.00	0.00	-	-	<50	-	<50	1.4	<0.50	<0.50	<0.50	15	-	-	-	-	-	-	-
MW-3A	12/05/2000	8.70	8.68	0.02	0.00	0.00	-	-	<50	-	<50.0	1.39	<0.500	<0.500	<0.500	12.9	-	-	-	-	-	-	-
MW-3A	03/01/2001	8.70	7.82	0.88	0.00	0.00	-	-	66 <sup>11</sup>	-	<50	1.0	<0.50	<0.50	<0.50	19	-	-	-	-	-	-	-
MW-3A	06/04/2001	8.70	8.45	0.25	0.00	0.00	-	-	69 <sup>9</sup>	-	<50	2.0	<0.50	<0.50	<0.50	37	-	-	-	-	-	-	-
MW-3A	09/10/2001	8.70	9.10	-0.40	0.00	0.00	-	-	<50	-	<50	3.9	<0.50	<0.50	<0.50	19	-	-	-	-	-	-	-
MW-3A	12/03/2001	8.70	8.08	0.62	0.00	0.00	-	-	56	-	<50	<0.50	<0.50	<0.50	<1.5	19	-	-	-	-	-	-	-
MW-3A	03/04/2002	8.70	8.94	-0.24	0.00	0.00	-	-	85	-	<50	<0.50	<0.50	<0.50	<1.5	26	-	-	-	-	-	-	-
MW-3A	05/30/2002	8.70	8.78	-0.08	0.00	0.00	-	-	210	-	<50	<0.50	<0.50	<0.50	<1.5	22	-	-	-	-	-	-	-
MW-3A	09/03/2002	8.70	8.98	-0.28	0.00	0.00	-	-	89	-	<50	<0.50	<0.50	<0.50	<1.5	24	-	-	-	-	-	-	-
MW-3A	12/09/2002	8.70	8.90	-0.20	0.00	0.00	-	-	110	-	<50	<0.50	<0.50	<0.50	<1.5	22	-	-	-	-	-	-	-
MW-3A	03/10/2003	8.70	8.12	0.58	0.00	0.00	-	-	66	-	<50	<0.50	<0.50	<0.50	<1.5	40	-	-	-	-	-	-	-
MW-3A	06/09/2003 <sup>18</sup>	8.70	8.23	0.47	0.00	0.00	-	-	82	-	<50	<0.5	0.5	<0.5	<0.5	35	-	-	-	-	-	-	-
MW-3A	09/08/2003 <sup>18</sup>	8.70	8.76	-0.06	0.00	0.00	-	-	110	-	<50	<0.5	<0.5	<0.5	<0.5	27	<50	-	-	-	-	-	-
MW-3A	12/08/2003 <sup>18</sup>	8.70	8.50	0.20	0.00	0.00	-	-	74 <sup>19</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	23	<50	-	-	-	-	-	-
MW-3A	03/09/2004 <sup>18</sup>	8.70	7.71	0.99	0.00	0.00	-	-	410	-	53	1	<0.5	<0.5	<0.5	28	<50	-	-	-	-	-	-
MW-3A	06/17/2004 <sup>18</sup>	8.70	8.52	0.18	0.00	0.00	-	-	430	-	180	1	<0.5	<0.5	<0.5	3	<50	-	-	-	-	-	-
MW-3A	09/15/2004 <sup>18</sup>	8.70	9.12	-0.42	0.00	0.00	-	-	280	-	92	<0.5	<0.5	<0.5	<0.5	63	<50	-	-	-	-	-	-
MW-3A	12/23/2004 <sup>18</sup>	8.70	8.76	-0.06	0.00	0.00	-	-	330	-	76	<0.5	<0.5	<0.5	<0.5	5	<50	-	-	-	-	-	-

TABLE 1

**GROUNDWATER MONITORING AND SAMPLING DATA  
FORMER CHEVRON SERVICE STATION 90121  
3026 LAKESHORE AVENUE  
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	GENERAL CHEMISTRY					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE by SW8260		Ethanol	Ferrous Iron	Nitrate	Total Alkalinity	Sulfate	Total Dissolved Solids
Units	ft	ft	ft-amsl	ft	gal	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	µg/L	µg/L	µg/L	
MW-3A	03/24/2005 <sup>18</sup>	8.70	6.28	2.42	0.00	0.00	-	-	210	-	<50	<0.5	<0.5	<0.5	<0.5	0.6	360	-	-	-	-	-	-
MW-3A	06/16/2005 <sup>18</sup>	8.70	8.18	0.52	0.00	0.00	-	-	590	-	<50	<0.5	<0.5	<0.5	<0.5	2	<50	-	-	-	-	-	-
MW-3A	09/16/2005 <sup>18</sup>	8.70	8.78	-0.08	0.00	0.00	-	-	160 <sup>21</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	5	<50	-	-	-	-	-	-
MW-3A	12/21/2005 <sup>18</sup>	8.70	8.30	0.40	0.00	0.00	-	-	220 <sup>23</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	10	<50	-	-	-	-	-	-
MW-3A	03/23/2006 <sup>18</sup>	8.70	7.10	1.60	0.00	0.00	-	-	150	-	<50	<0.5	<0.5	<0.5	<0.5	0.5	<50	-	-	-	-	-	-
MW-3A	06/09/2006 <sup>18</sup>	8.70	8.30	0.40	0.00	0.00	-	-	390	-	<50	<0.5	<0.5	<0.5	<0.5	2	<50	-	-	-	-	-	-
MW-3A	09/05/2006 <sup>18</sup>	8.70	9.00	-0.30	0.00	0.00	-	-	140	-	<50	<0.5	<0.5	<0.5	<0.5	5	<50	-	-	-	-	-	-
MW-3A	12/15/2006 <sup>18</sup>	8.70	8.53	0.17	0.00	0.00	-	-	250	-	<50	<0.5	0.8	<0.5	2	9	<50	-	-	-	-	-	-
MW-3A	03/01/2007 <sup>18</sup>	8.70	8.07	0.63	0.00	0.00	-	-	140	-	<50	2	4	1	5	10	<50	-	-	-	-	-	-
MW-3A	06/05/2007 <sup>18</sup>	8.70	8.44	0.26	0.00	0.00	-	-	2,900	-	<50	<0.5	<0.5	<0.5	<0.5	7	<50	-	-	-	-	-	-
MW-3A	09/05/2007 <sup>18</sup>	8.70	9.05	-0.35	0.00	0.00	-	-	520	-	<50	<0.5	<0.5	<0.5	<0.5	8	<50	-	-	-	-	-	-
MW-3A	12/05/2007 <sup>18</sup>	8.70	8.71	-0.01	0.00	0.00	-	-	110	-	<50	<0.5	<0.5	<0.5	<0.5	30	<50	-	-	-	-	-	-
MW-3A	03/03/2008 <sup>18</sup>	8.70	8.22	0.48	0.00	0.00	-	-	240	-	<50	<0.5	<0.5	<0.5	<0.5	9	<50	-	-	-	-	-	-
MW-3A	06/02/2008 <sup>18</sup>	8.70	8.68	0.02	0.00	0.00	-	-	160	-	<50	<0.5	<0.5	<0.5	<0.5	25	<50	-	-	-	-	-	-
MW-3A	09/04/2008 <sup>18</sup>	8.70	9.17	-0.47	0.00	0.00	-	-	220	-	<50	<0.5	<0.5	<0.5	<0.5	54	<50	-	-	-	-	-	-
MW-3A	12/04/2008 <sup>18</sup>	8.70	8.95	-0.25	0.00	0.00	-	-	150	-	<50	<0.5	<0.5	<0.5	<0.5	29	<50	-	-	-	-	-	-
MW-3A	02/26/2009 <sup>18</sup>	8.70	7.77	0.93	0.00	0.00	-	-	440	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-
MW-3A	06/30/2009 <sup>18</sup>	8.70	5.73	2.97	0.00	0.00	-	-	52 <sup>J</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	25	<50	-	-	-	-	-	-
MW-3A	09/29/2009 <sup>18,25</sup>	8.70	6.30	2.40	0.00	0.00	-	-	400	-	<50	<0.5	<0.5	<0.5	<0.5	39	<50	-	-	-	-	-	-
MW-3A	03/10/2010 <sup>18</sup>	8.70	4.43	4.27	0.00	0.00	-	-	1,200	-	<50	<0.5	<0.5	<0.5	<0.5	2	<50	-	-	-	-	-	-
MW-3A	09/15/2010	8.70	8.95	-0.25	0.00	0.00	-	-	360	-	<50	<0.5	<0.5	<0.5	<0.5	8	<50	-	-	-	-	-	-
MW-3A	03/14/2011	8.70	5.50	3.20	0.00	0.00	<38	-	<33	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-
MW-3A	09/26/2011	8.70	8.78	-0.08	0.00	0.00	-	<38	-	<50	<50	<0.5	<0.5	<0.5	<0.5	1	<50	-	-	-	-	-	-
MW-3A	03/30/2012	8.70	6.17	2.53	0.00	0.00	-	<38	-	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-
MW-3A	09/22/2012	8.70	8.69	0.01	0.00	0.00	-	<38	-	<50	<50	<0.5	<0.5	<0.5	<0.5	2	<50	-	-	-	-	-	-
<b>MW-3A</b>	<b>03/20/2013</b>	<b>8.70</b>	<b>7.72</b>	<b>0.98</b>	<b>0.00</b>	<b>0.00</b>	-	<b>&lt;38</b>	-	<b>&lt;50</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-4	08/20/1991	7.37	5.05	1.32	0.00	0.00	-	-	160	-	1,800	870	4.0	3.0	9.0	-	-	-	-	-	-	-	-
MW-4	09/30/1991	7.37	5.67	1.70	0.00	0.00	-	-	-	-	670	830	5.5	2.7	12	-	-	-	-	-	-	-	-
MW-4	10/28/1991	7.37	5.81	1.56	0.00	0.00	-	-	-	-	2,800	990	5.8	4.8	19	-	-	-	-	-	-	-	-
MW-4	01/08/1992	7.37	5.34	2.03	0.00	0.00	-	-	-	-	2,900	1,200	10	7.0	18	-	-	-	-	-	-	-	-
MW-4	01/13/1992	7.37	-	-	0.00	0.00	-	-	1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	06/23/1992	7.37	5.37	2.00	0.00	0.00	-	-	<50	-	1,600	380	6.5	3.0	12	-	-	-	-	-	-	-	-



TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 FORMER CHEVRON SERVICE STATION 90121  
 3026 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS				ADDITIONAL VOCS	GENERAL CHEMISTRY						
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X		MTBE by SW8260	Ethanol	Ferrous Iron	Nitrate	Total Alkalinity	Sulfate	Total Dissolved Solids
	Units	ft	ft	ft-amsl	ft	gal	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	µg/L	µg/L	µg/L
MW-4	08/24/1992	7.37	5.75	1.62	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	09/21/1992	7.37	5.95	1.42	0.00	0.00	-	-	<50	1,200	480	5.6	3.7	11	-	-	-	-	-	-	-	-	-
MW-4	10/26/1992	7.37	5.96	1.41	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	12/23/1992	7.37	-	-	0.00	0.00	-	-	1,800	-	1,500	700	3.6	3.2	11	-	-	-	-	-	-	-	-
MW-4	01/08/1993	7.37	4.64	2.73	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	03/25/1993	7.37	4.42	2.95	0.00	0.00	-	-	<10	-	520	160	3.0	1.0	4.0	-	-	-	-	-	-	-	-
MW-4	06/11/1993	7.37	5.12	2.25	0.00	0.00	-	-	-	-	1,200	430	5.0	6.0	11	-	-	-	-	-	-	-	2,600
MW-4	09/29/1993	7.37	5.80	1.57	0.00	0.00	-	-	-	-	1,300	210	8.0	2.0	14	-	-	-	-	-	-	-	-
MW-4	12/20/1993	7.37	5.10	2.27	0.00	0.00	-	-	3,900	-	570	230	5.0	4.0	8.0	-	-	-	-	-	-	-	-
MW-4	03/07/1994	7.37	5.01	2.36	0.00	0.00	-	-	2,600	-	2,200	290	18	2.5	11	22,000	-	-	-	-	-	-	-
MW-4	06/17/1994	7.37	5.82	1.55	0.00	0.00	-	-	2,800	-	2,100	480	11	4.3	9.5	-	-	-	-	-	-	-	-
MW-4	09/12/1994	7.37	5.64	1.73	0.00	0.00	-	-	3,000	-	1,700	340	6.1	2.7	9.7	63,000	-	-	-	-	-	-	-
MW-4	11/30/1994 <sup>26</sup>	7.37	5.58	1.79	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	03/24/1995	7.37	4.95	2.42	0.00	0.00	-	-	3,000 <sup>2</sup>	-	1,500	280	<5.0	<5.0	6.9	12,000	-	-	-	-	-	-	-
MW-4	06/27/1995	7.37	8.79	-1.42	0.00	0.00	-	-	3,100 <sup>2</sup>	-	<10,000	310	<100	<100	<100	32,000	-	-	-	-	-	-	-
MW-4	09/28/1995	7.37	5.85	1.52	0.00	0.00	-	-	6,300 <sup>2</sup>	-	330	64	1.1	<0.5	<0.5	630	-	-	-	-	-	-	-
MW-4	12/19/1995	7.37	5.50	1.87	0.00	0.00	-	-	3,400 <sup>2</sup>	-	3,000	520	<25	<25	<25	44,000	-	-	-	-	-	-	-
MW-4	02/28/1996	7.37	5.10	2.27	0.00	0.00	-	-	4,700 <sup>2</sup>	-	<10,000	230	<100	<100	<100	32,000	-	-	-	-	-	-	-
MW-4	06/25/1996	7.37	5.78	1.59	0.00	0.00	-	-	3,100	-	<10,000	160	<100	<100	<100	31,000	-	-	-	-	-	-	-
MW-4	12/17/1996	7.37	5.95	1.42	0.00	0.00	-	-	3,600 <sup>3</sup>	-	<5,000	110	<50	<50	<50	22,000	-	-	-	-	-	-	-
MW-4	03/31/1997	7.37	5.62	1.75	0.00	0.00	-	-	2,700 <sup>2</sup>	-	<2,500	130	<25	<25	<25	16,000	-	-	-	-	-	-	-
MW-4	06/30/1997	7.37	6.03	1.34	0.00	0.00	-	-	2,700 <sup>2</sup>	-	<2,500	130	<25	<25	<25	14,000	-	-	-	-	-	-	-
MW-4	09/12/1997	7.37	5.69	1.68	0.00	0.00	-	-	2,100 <sup>2</sup>	-	<5,000	63	<50	<50	<50	15,000	-	-	-	-	-	-	-
MW-4	12/05/1997	7.37	5.15	2.22	0.00	0.00	-	-	2,600 <sup>2</sup>	-	1,300	120	<5.0	<5.0	8.5	15,000	-	-	-	-	-	-	-
MW-4	02/16/1998	7.37	6.26	1.11	0.00	0.00	-	-	1,300 <sup>2</sup>	-	1,200	57	4.5	<2.5	7.0	12,000	-	-	-	-	-	-	-
MW-4	06/17/1998	7.37	4.96	2.41	0.00	0.00	-	-	530 <sup>2</sup>	-	5,300	390	290	28	150	17,000	-	-	-	-	-	-	-
MW-4	08/31/1998	7.37	5.91	1.46	0.00	0.00	-	-	2,400 <sup>2</sup>	-	<50	89	<0.5	<0.5	<0.5	14,000/16,000 <sup>4</sup>	-	-	-	-	-	-	-
MW-4	12/28/1998	7.37	5.41	1.96	0.00	0.00	-	-	2,900 <sup>2</sup>	-	1,000	52	5.6	4.6	9.1	8,400	-	3500	<1,000	670000	6800	-	-
MW-4	03/04/1999	7.37	5.20	2.17	0.00	0.00	-	-	4,490 <sup>2</sup>	-	<2,500	85.5	40.9	<25	<25	11,400	-	-	-	-	-	-	-
MW-4A	03/20/1999	7.69	5.62	2.07	0.00	0.00	-	-	1,280 <sup>2</sup>	-	1,370	129	8.6	18.3	7.3	2,110	-	-	-	-	-	-	-
MW-4A	04/19/1999	7.69	4.91	2.78	0.00	0.00	-	-	370 <sup>2</sup>	-	<500	<5.0	<5.0	<5.0	<5.0	1,600	-	-	-	-	-	-	-
MW-4A	06/14/1999	7.69	5.25	2.44	0.00	0.00	-	-	2,500 <sup>2</sup>	-	5,360	312	<20	44	<20	2,880	-	-	-	-	-	-	-

TABLE 1

**GROUNDWATER MONITORING AND SAMPLING DATA  
FORMER CHEVRON SERVICE STATION 90121  
3026 LAKESHORE AVENUE  
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	GENERAL CHEMISTRY					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE by SW8260		Ethanol	Ferrous Iron	Nitrate	Total Alkalinity	Sulfate	Total Dissolved Solids
	Units	ft	ft	ft-amsl	ft	gal	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	µg/L	µg/L	µg/L
MW-4A	09/17/1999	7.69	7.37	0.32	0.00	0.00	-	-	1,430 <sup>2</sup>	-	1,290	38.6	<5.0	7.01	<5.0	1,780	-	-	-	-	-	-	-
MW-4A	12/20/1999	7.69	6.30	1.39	0.00	0.00	-	-	7,480 <sup>2</sup>	-	852	43.5	4.63	9.18	4.36	1,070	-	-	-	-	-	-	-
MW-4A	06/24/2000	7.69	6.12	1.57	0.00	0.00	-	-	1,190 <sup>9</sup>	-	190 <sup>7</sup>	1.4	1.7	1.7	3.3	3,900 <sup>7</sup>	-	-	-	-	-	-	-
MW-4A	09/07/2000	7.69	6.26	1.43	0.00	0.00	-	-	740 <sup>9</sup>	-	490 <sup>7</sup>	15	1.9	1.1	3.9	3,300	-	-	-	-	-	-	-
MW-4A	12/05/2000	7.69	5.99	1.70	0.00	0.00	-	-	560 <sup>12</sup>	-	<500	<5.00	<5.00	<5.00	<5.00	3,380 <sup>8</sup>	-	-	-	-	-	-	-
MW-4A	03/01/2001	7.69	5.68	2.01	0.00	0.00	-	-	600 <sup>9</sup>	-	<1,000	10	<10	<10	<10	4,600	-	-	-	-	-	-	-
MW-4A	06/04/2001	7.69	6.60	1.09	0.00	0.00	-	-	770 <sup>9</sup>	-	390 <sup>15</sup>	8.4	3.8	<2.5	3.0	3,800	-	-	-	-	-	-	-
MW-4A	09/10/2001	7.69	6.57	1.12	0.00	0.00	-	-	810	-	<500	13	<5.0	22	<5.0	4,900	-	-	-	-	-	-	-
MW-4A	12/03/2001	7.69	5.95	1.74	0.00	0.00	-	-	2,100	-	<250	1.5	<1.0	<1.0	<3.0	3,800	-	-	-	-	-	-	-
MW-4A	03/04/2002	7.69	8.88	-1.19	0.00	0.00	-	-	2,400	-	2,500	49	6.8	21	9.5	2,600	-	-	-	-	-	-	-
MW-4A	05/30/2002	7.69	6.20	1.49	0.00	0.00	-	-	2,600	-	430	4.6	<1.0	2.0	<3.0	3,700	-	-	-	-	-	-	-
MW-4A	09/03/2002	7.69	6.49	1.20	0.00	0.00	-	-	3,200	-	<500	4.5	<2.0	3.5	7.5	3,800	-	-	-	-	-	-	-
MW-4A	12/09/2002	7.69	6.26	1.43	0.00	0.00	-	-	1,600	-	440	1.1	<0.50	0.71	<5.0	4,000	-	-	-	-	-	-	-
MW-4A	03/10/2003	7.69	5.83	1.86	0.00	0.00	-	-	1,700	-	710	14	2.2	4.2	<10	4,100	-	-	-	-	-	-	-
MW-4A	06/09/2003 <sup>18</sup>	7.69	6.44	1.25	0.00	0.00	-	-	3,200	-	400	3	<1	2	<1	4,100	-	-	-	-	-	-	-
MW-4A	09/08/2003 <sup>18</sup>	7.69	5.86	1.83	0.00	0.00	-	-	3,900	-	1,300	28	4	4	<3	2,900	<250	-	-	-	-	-	-
MW-4A	12/08/2003 <sup>18</sup>	7.69	6.12	1.57	0.00	0.00	-	-	2,500	-	360	3	<3	<3	<3	3,200	<250	-	-	-	-	-	-
MW-4A	03/09/2004 <sup>18</sup>	7.69	5.37	2.32	0.00	0.00	-	-	4,300	-	1,400	28	5	10	3	3,200	<250	-	-	-	-	-	-
MW-4A	06/17/2004 <sup>18</sup>	7.69	6.05	1.64	0.00	0.00	-	-	7,900	-	6,000	140	20	52	16	1,500	<50	-	-	-	-	-	-
MW-4A	09/15/2004 <sup>18</sup>	7.69	7.40	0.29	0.00	0.00	-	-	4,200	-	3,300	14	5	4	6	2,400	<100	-	-	-	-	-	-
MW-4A	12/23/2004 <sup>18</sup>	7.69	6.26	1.43	0.00	0.00	-	-	2,800	-	1,500	7	3	4	4	3,000	<100	-	-	-	-	-	-
MW-4A	03/24/2005 <sup>18</sup>	7.69	5.01	2.68	0.00	0.00	-	-	900	-	2,700	28	7	9	4	2,300	<250	-	-	-	-	-	-
MW-4A	06/16/2005 <sup>18</sup>	7.69	6.03	1.66	0.00	0.00	-	-	3,600	-	1,000	3	5	3	6	3,200	<250	-	-	-	-	-	-
MW-4A	09/16/2005 <sup>18</sup>	7.69	6.62	1.07	0.00	0.00	-	-	2,400	-	380	<5	<5	<5	<5	3,700	<500	-	-	-	-	-	-
MW-4A	12/21/2005 <sup>18</sup>	7.69	5.86	1.83	0.00	0.00	-	-	2,900 <sup>23</sup>	-	580	2	0.7	1	2	3,000	<50	-	-	-	-	-	-
MW-4A	03/23/2006 <sup>18</sup>	7.69	5.14	2.55	0.00	0.00	-	-	1,900	-	1,400	16	5	9	<3	2,800	<250	-	-	-	-	-	-
MW-4A	06/09/2006 <sup>18</sup>	7.69	5.93	1.76	0.00	0.00	-	-	3,900	-	1,200	4	2	3	3	3,000	<50	-	-	-	-	-	-
MW-4A	09/05/2006 <sup>18</sup>	7.69	6.62	1.07	0.00	0.00	-	-	3,800	-	650	<5	<5	<5	<5	1,600	<500	-	-	-	-	-	-
MW-4A	12/15/2006 <sup>18</sup>	7.69	6.00	1.69	0.00	0.00	-	-	3,500	-	1,000	2	1	0.8	3	520	<50	-	-	-	-	-	-
MW-4A	03/01/2007 <sup>18</sup>	7.69	5.83	1.86	0.00	0.00	-	-	1,600	-	1,200	11	5	6	5	1,100	<50	-	-	-	-	-	-
MW-4A	06/05/2007 <sup>18</sup>	7.69	5.36	2.33	0.00	0.00	-	-	3,000	-	3,300	34	9	7	8	330	<100	-	-	-	-	-	-
MW-4A	09/05/2007 <sup>18</sup>	7.69	5.72	1.97	0.00	0.00	-	-	3,800	-	1,700	11	4	2	4	130	<50	-	-	-	-	-	-
MW-4A	12/05/2007 <sup>18</sup>	7.69	6.12	1.57	0.00	0.00	-	-	2,100	-	1,300	3	3	1	3	82	<50	-	-	-	-	-	-

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**GROUNDWATER MONITORING AND SAMPLING DATA  
FORMER CHEVRON SERVICE STATION 90121  
3026 LAKESHORE AVENUE  
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	GENERAL CHEMISTRY				
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE by SW8260		Ethanol	Ferrous Iron	Nitrate	Total Alkalinity	Sulfate
Units	ft	ft	ft-amsl	ft	gal	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	µg/L	µg/L	µg/L
MW-4A	03/03/2008 <sup>18</sup>	7.69	5.83	1.86	0.00	0.00	-	-	4,900	-	2,700	13	6	9	7	700	<50	-	-	-	-	-
MW-4A	06/02/2008 <sup>18</sup>	7.69	5.69	2.00	0.00	0.00	-	-	6,500	-	6,200	60	17	17	16	1,100	<50	-	-	-	-	-
MW-4A	09/04/2008 <sup>18</sup>	7.69	6.23	1.46	0.00	0.00	-	-	3,000	-	1,800	11	2	1	3	58	<50	-	-	-	-	-
MW-4A	12/04/2008 <sup>18</sup>	7.69	6.27	1.42	0.00	0.00	-	-	3,800	-	470	<0.5	<0.5	<0.5	<0.5	58	<50	-	-	-	-	-
MW-4A	02/26/2009 <sup>18</sup>	7.69	5.46	2.23	0.00	0.00	-	-	4,000	-	1,900	4	3	5	6	140	<50	-	-	-	-	-
MW-4A	06/30/2009 <sup>18</sup>	7.69	8.70	-1.01	0.00	0.00	-	-	6,100	-	7,400	33	16	13	17	920	<50	-	-	-	-	-
MW-4A	09/29/2009 <sup>18</sup>	7.69	6.60	1.09	0.00	0.00	-	-	4,700	-	250	3	3	1 J	6	36	<50	-	-	-	-	-
MW-4A	03/10/2010 <sup>18</sup>	7.69	4.67	3.02	0.00	0.00	-	-	3,700	-	5,100	22	11	12	12	690	<50	-	-	-	-	-
MW-4A	09/15/2010	7.69	7.07	0.62	0.00	0.00	-	-	5,700	-	3,500	6	2	3	10	18	<50	-	-	-	-	-
MW-4A	03/14/2011	7.69	4.90	2.79	0.00	0.00	590	-	2,800	-	6,200	24	12	14	14	870	<50	-	-	-	-	-
MW-4A	09/26/2011	7.69	6.51	1.18	0.00	0.00	-	<39	-	1,000	5,000	9	3	2	10	43	<50	-	-	-	-	-
MW-4A	03/30/2012	7.69	4.43	3.26	0.00	0.00	-	<38	-	430	1,300	5	2	2	3	130	<50	-	-	-	-	-
MW-4A	09/22/2012	7.69	6.53	1.16	0.00	0.00	-	<38	-	210	990	2	<0.5	<0.5	0.7 J	51	<50	-	-	-	-	-
<b>MW-4A</b>	<b>03/20/2013</b>	<b>7.69</b>	<b>5.73</b>	<b>1.96</b>	<b>0.00</b>	<b>0.00</b>	-	<b>&lt;38</b>	-	<b>78 J</b>	<b>410</b>	<b>2</b>	<b>0.8 J</b>	<b>0.7 J</b>	<b>0.7 J</b>	<b>120</b>	<b>&lt;50</b>	-	-	-	-	-
MW-5	06/23/1992	14.14	12.24	1.90	0.00	0.00	-	-	<50	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-5	08/24/1992	14.14	12.29	1.85	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/21/1992	14.14	12.46	1.68	0.00	0.00	-	-	60	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-5	10/26/1992	14.14	12.52	1.62	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	12/23/1992	14.14	11.12	3.02	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	01/08/1993	14.14	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	03/25/1993	14.14	9.74	4.40	0.00	0.00	-	-	<10	-	<50	<0.5	<0.5	<0.5	0.9	-	-	-	-	-	-	-
MW-5	06/11/1993	14.14	10.44	3.70	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	770
MW-5	09/29/1993	14.14	11.92	2.22	0.00	0.00	-	-	<10	-	<50	<0.5	0.6	<0.5	0.6	-	-	-	-	-	-	-
MW-5	12/20/1993	14.14	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	03/07/1994	14.14	11.34	2.80	0.00	0.00	-	-	<10	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-5	06/17/1994	14.14	11.27	2.87	0.00	0.00	-	-	<50	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-5	09/12/1994	14.14	12.86	1.28	0.00	0.00	-	-	<50	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-
MW-5	11/30/1994	14.14	11.91	2.23	0.00	0.00	-	-	99 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-5	03/24/1995	14.14	9.76	4.38	0.00	0.00	-	-	<50	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-5	06/27/1995	14.14	11.40	2.74	0.00	0.00	-	-	55 <sup>3</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-5	09/28/1995	14.14	11.90	2.24	0.00	0.00	-	-	300 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
MW-5	12/19/1995	14.14	12.58	1.56	0.00	0.00	-	-	53 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	3.1	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 FORMER CHEVRON SERVICE STATION 90121  
 3026 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	GENERAL CHEMISTRY						
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE by SW8260		Ethanol	Ferrous Iron	Nitrate	Total Alkalinity	Sulfate	Total Dissolved Solids	
Units	ft	ft	ft-amsl	ft	gal	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	µg/L	µg/L	µg/L	µg/L	
MW-5	02/28/1996	14.14	11.70	2.44	0.00	0.00	-	-	<50	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-
MW-5	06/25/1996	14.14	11.43	2.71	0.00	0.00	-	-	120 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	36	-	-	-	-	-	-	-	-
MW-5	12/17/1996	14.14	11.40	2.74	0.00	0.00	-	-	89 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-
MW-5	03/31/1997	14.14	12.10	2.04	0.00	0.00	-	-	150 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-
MW-5	06/30/1997 <sup>25</sup>	14.14	12.78	1.36	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/12/1997	14.14	13.68	0.46	0.00	0.00	-	-	<50	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-
MW-5	12/05/1997	14.14	13.03	1.11	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/16/1998	14.14	9.97	4.17	0.00	0.00	-	-	62 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-
MW-5	06/17/1998	14.14	11.85	2.29	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/31/1998	14.14	12.82	1.32	0.00	0.00	-	-	<50	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-
MW-5	12/28/1998	14.14	13.43	0.71	0.00	0.00	-	-	-	-	-	-	-	-	-	-	15	<1,000	480000	51000	-	-	-	-
MW-5	03/04/1999	14.14	13.75	0.39	0.00	0.00	-	-	70.5	-	<50	<0.5	<0.5	<0.5	<0.5	3.34	-	-	-	-	-	-	-	-
MW-5	06/14/1999	14.14	14.10	0.04	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/17/1999	14.14	14.18	-0.04	0.00	0.00	-	-	<50	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-
MW-5	12/20/1999	14.14	13.70	0.44	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	03/20/2000	14.14	12.64	1.50	0.00	0.00	-	-	115 <sup>3</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-
MW-5	06/24/2000	14.14	13.04	1.10	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/07/2000	14.14	13.17	0.97	0.00	0.00	-	-	<50	-	<50	<0.50	<0.50	<0.50	<0.50	5.0	-	-	-	-	-	-	-	-
MW-5	12/05/2000	14.14	11.28	2.86	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	03/01/2001	14.14	10.30	3.84	0.00	0.00	-	-	<50	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-	-
MW-5	06/04/2001 <sup>25</sup>	14.14	11.31	2.83	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/10/2001	14.14	12.16	1.98	0.00	0.00	-	-	<50	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-	-
MW-5	12/03/2001 <sup>25</sup>	14.14	8.62	5.52	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	03/04/2002	14.14	9.85	4.29	0.00	0.00	-	-	78	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-	-
MW-5	05/30/2002 <sup>25</sup>	14.14	10.83	3.31	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/03/2002 <sup>26</sup>	14.14	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	12/09/2002 <sup>25</sup>	14.14	11.36	2.78	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	03/10/2003	14.14	11.19	2.95	0.00	0.00	-	-	100	-	<50	<0.50	<0.50	<0.50	<1.5	8.2	-	-	-	-	-	-	-	-
MW-5	06/09/2003 <sup>25</sup>	14.14	12.57	1.57	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/08/2003 <sup>18</sup>	14.14	12.01	2.13	0.00	0.00	-	-	65	-	<50	<0.5	<0.5	<0.5	<0.5	8	<50	-	-	-	-	-	-	-
MW-5	12/08/2003 <sup>25</sup>	14.14	11.13	3.01	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	03/09/2004 <sup>18</sup>	14.14	10.58	3.56	0.00	0.00	-	-	110	-	<50	<0.5	<0.5	<0.5	<0.5	4	<50	-	-	-	-	-	-	-
MW-5	06/17/2004 <sup>25</sup>	14.14	12.10	2.04	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 FORMER CHEVRON SERVICE STATION 90121  
 3026 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	GENERAL CHEMISTRY				
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE by SW8260		Ethanol	Ferrous Iron	Nitrate	Total Alkalinity	Sulfate
Units	ft	ft	ft-amsl	ft	gal	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	µg/L	µg/L	µg/L
MW-5	09/15/2004 <sup>18</sup>	14.14	12.58	1.56	0.00	0.00	-	-	92	-	<50	<0.5	<0.5	<0.5	<0.5	7	<50	-	-	-	-	-
MW-5	12/23/2004 <sup>25</sup>	14.14	12.20	1.94	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	03/24/2005 <sup>18</sup>	14.14	7.70	6.44	0.00	0.00	-	-	85	-	<50	<0.5	<0.5	<0.5	3	6	<50	-	-	-	-	-
MW-5	06/16/2005 <sup>25</sup>	14.14	11.55	2.59	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/16/2005 <sup>18</sup>	14.14	11.78	2.36	0.00	0.00	-	-	<50	-	<50	<0.5	<0.5	<0.5	<0.5	6	<50	-	-	-	-	-
MW-5	12/21/2005 <sup>25</sup>	14.14	9.70	4.44	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	03/23/2006 <sup>18</sup>	14.14	9.20	4.94	0.00	0.00	-	-	<50	-	<50	<0.5	<0.5	<0.5	<0.5	4	<50	-	-	-	-	-
MW-5	06/09/2006 <sup>25</sup>	14.14	10.67	3.47	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/05/2006 <sup>18</sup>	14.14	11.80	2.34	0.00	0.00	-	-	120	-	<50	<0.5	<0.5	<0.5	<0.5	4	<50	-	-	-	-	-
MW-5	12/15/2006 <sup>25</sup>	14.14	11.50	2.64	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	03/01/2007 <sup>18</sup>	14.14	9.22	4.92	0.00	0.00	-	-	150	-	<50	1	3	0.7	3	2	<50	-	-	-	-	-
MW-5	06/05/2007 <sup>25</sup>	14.14	11.02	3.12	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/05/2007 <sup>18</sup>	14.14	12.50	1.64	0.00	0.00	-	-	68	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-
MW-5	12/05/2007 <sup>25</sup>	14.14	10.65	3.49	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	03/03/2008 <sup>18</sup>	14.14	10.51	3.63	0.00	0.00	-	-	89	-	<50	<0.5	<0.5	<0.5	<0.5	1	<50	-	-	-	-	-
MW-5	06/02/2008 <sup>25</sup>	14.14	12.57	1.57	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/04/2008 <sup>18</sup>	14.14	12.48	1.66	0.00	0.00	-	-	<50	-	<50	<0.5	<0.5	<0.5	<0.5	2	<50	-	-	-	-	-
MW-5	12/04/2008 <sup>25</sup>	14.14	12.10	2.04	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	02/26/2009 <sup>18</sup>	14.14	10.35	3.79	0.00	0.00	-	-	320	-	<50	<0.5	<0.5	<0.5	<0.5	1	<50	-	-	-	-	-
MW-5	06/30/2009 <sup>18</sup>	14.14	10.93	3.21	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/29/2009 <sup>18,25</sup>	14.14	12.27	1.87	0.00	0.00	-	-	270	-	<500	<0.5	<0.5	<0.5	<0.5	2	<50	-	-	-	-	-
MW-5	03/10/2010 <sup>18</sup>	14.14	10.21	3.93	0.00	0.00	-	-	540	-	<50	<0.5	<0.5	<0.5	<0.5	1	<50	-	-	-	-	-
MW-5	09/15/2010	14.14	11.25	2.89	0.00	0.00	-	-	<32	-	<50	<0.5	<0.5	<0.5	<0.5	1	<50	-	-	-	-	-
MW-5	03/14/2011	14.14	10.30	3.84	0.00	0.00	<38	-	<33	-	<50	<0.5	<0.5	<0.5	<0.5	1	<50	-	-	-	-	-
MW-5	09/26/2011	14.14	10.34	3.80	0.00	0.00	-	<39	-	<50	<50	<0.5	<0.5	<0.5	<0.5	1	<50	-	-	-	-	-
MW-5	03/30/2012	14.14	10.91	3.23	0.00	0.00	-	48 J	-	<50	<50	<0.5	<0.5	<0.5	<0.5	1 J	<50	-	-	-	-	-
MW-5	09/21/2012	14.14	12.48	1.66	0.00	0.00	-	<38	-	<50	<50	<0.5	<0.5	<0.5	<0.5	1	<50	-	-	-	-	-
<b>MW-5</b>	<b>03/19/2013</b>	<b>14.14</b>	<b>10.97</b>	<b>3.17</b>	<b>0.00</b>	<b>0.00</b>	-	<b>&lt;38</b>	-	<b>&lt;50</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>0.9 J</b>	<b>&lt;50</b>	-	-	-	-	-
MW-6	06/23/1992	4.46	5.14	-0.68	0.00	0.00	-	-	120	-	<50	4.3	<0.5	0.8	0.9	-	-	-	-	-	-	-
MW-6	08/24/1992	4.46	4.95	-0.49	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/21/1992	4.46	4.90	-0.44	0.00	0.00	-	-	<50	-	<250	<2.5	<2.5	<2.5	<2.5	-	-	-	-	-	-	-
MW-6	10/26/1992	4.46	5.52	-1.06	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 FORMER CHEVRON SERVICE STATION 90121  
 3026 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS				ADDITIONAL VOCS	GENERAL CHEMISTRY							
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X		MTBE by SW8260	Ethanol	Ferrous Iron	Nitrate	Total Alkalinity	Sulfate	Total Dissolved Solids	
	Units	ft	ft	ft-amsl	ft	gal	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	µg/L	µg/L	µg/L	
MW-6	12/23/1992	4.46	5.40	-0.94	0.00	0.00	-	-	81	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
MW-6	01/08/1993	4.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	03/25/1993	4.46	6.10	-1.64	0.00	0.00	-	-	<10	-	<50	<0.5	<0.5	<0.5	0.7	-	-	-	-	-	-	-	-	-
MW-6	06/11/1993	4.46	6.56	-2.10	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	15,000
MW-6	09/29/1993	4.46	5.17	-0.71	0.00	0.00	-	-	<10	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
MW-6	12/20/1993	4.46	5.93	-1.47	0.00	0.00	-	-	<10	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
MW-6	03/07/1994	4.46	5.27	-0.81	0.00	0.00	-	-	<10	-	54	<0.5	<0.5	<0.5	0.6	-	-	-	-	-	-	-	-	-
MW-6	06/17/1994	4.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/12/1994	4.46	5.10	-0.64	0.00	0.00	-	-	<50	-	<50	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-	-	-
MW-6	11/30/1994	4.46	5.58	-1.12	0.00	0.00	-	-	800 <sup>1</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
MW-6	03/24/1995	4.46	6.33	-1.87	0.00	0.00	-	-	490 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
MW-6	06/27/1995	4.46	8.20	-3.74	0.00	0.00	-	-	300 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
MW-6	09/28/1995	4.46	4.65	-0.19	0.00	0.00	-	-	1,200 <sup>2</sup>	-	120	1.1	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-
MW-6	12/19/1995	4.46	6.04	-1.58	0.00	0.00	-	-	820 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-
MW-6	02/28/1996	4.46	6.00	-1.54	0.00	0.00	-	-	270 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-
MW-6	06/25/1996	4.46	6.17	-1.71	0.00	0.00	-	-	750 <sup>2</sup>	-	97	<0.5	<0.5	<0.5	0.71	<2.5	-	-	-	-	-	-	-	-
MW-6	12/17/1996	4.46	6.13	-1.67	0.00	0.00	-	-	540 <sup>2</sup>	-	65	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-
MW-6	03/31/1997	4.46	6.69	-2.23	0.00	0.00	-	-	780 <sup>2</sup>	-	65	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-
MW-6	06/30/1997 <sup>25</sup>	4.46	7.08	-2.62	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/12/1997	4.46	5.41	-0.95	0.00	0.00	-	-	270 <sup>2</sup>	-	65	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-
MW-6	12/05/1997	4.46	6.42	-1.96	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	02/16/1998	4.46	4.76	-0.30	0.00	0.00	-	-	3302	-	140	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-
MW-6	06/17/1998	4.46	6.00	-1.54	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	08/31/1998	4.46	5.10	-0.64	0.00	0.00	-	-	2701	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-
MW-6	12/28/1998	4.46	6.50	-2.04	0.00	0.00	-	-	-	-	-	-	-	-	-	-	810	<1,000	2400000	110000	-	-	-	-
MW-6	03/04/1999	4.46	5.81	-1.35	0.00	0.00	-	-	638 <sup>1</sup>	-	95.5	<0.5	<0.5	<0.5	<0.5	<2.0	-	-	-	-	-	-	-	-
MW-6	06/14/1999	4.46	5.43	-0.97	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/17/1999	4.46	6.20	-1.74	0.00	0.00	-	-	258 <sup>1</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-
MW-6	12/20/1999	4.46	6.77	-2.31	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	03/20/2000	4.46	6.58	-2.12	0.00	0.00	-	-	257 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-	-
MW-6	06/24/2000 <sup>25</sup>	4.46	6.98	-2.52	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/07/2000	4.46	4.92	-0.46	0.00	0.00	-	-	98 <sup>11</sup>	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-	-
MW-6	12/05/2000	4.46	5.10	-0.64	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 FORMER CHEVRON SERVICE STATION 90121  
 3026 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS				MTBE by SW8260	ADDITIONAL VOCS	GENERAL CHEMISTRY					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X			Ethanol	Ferrous Iron	Nitrate	Total Alkalinity	Sulfate	Total Dissolved Solids
Units	ft	ft	ft-amsl	ft	gal	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	µg/L	µg/L	µg/L	
MW-6	03/01/2001	4.46	4.89	-0.43	0.00	0.00	-	-	190 <sup>9</sup>	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-
MW-6	06/04/2001 <sup>25</sup>	4.46	5.21	-0.75	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/10/2001	4.46	5.11	-0.65	0.00	0.00	-	-	140 <sup>17</sup>	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-
MW-6	12/03/2001 <sup>25</sup>	4.46	5.03	-0.57	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	03/04/2002 <sup>26</sup>	4.46	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	05/30/2002 <sup>25</sup>	4.46	6.11	-1.65	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/03/2002	4.46	5.28	-0.82	0.00	0.00	-	-	340	-	<500	<2.0	<2.0	<2.0	<6.0	<3.0	-	-	-	-	-	-	-
MW-6	12/09/2002 <sup>25</sup>	4.46	5.12	-0.66	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	03/10/2003	4.46	6.26	-1.80	0.00	0.00	-	-	420	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-
MW-6	06/09/2003 <sup>25</sup>	4.46	5.91	-1.45	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/08/2003 <sup>18</sup>	4.46	4.65	-0.19	0.00	0.00	-	-	230	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-
MW-6	12/08/2003 <sup>25</sup>	4.46	5.24	-0.78	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	03/09/2004 <sup>18</sup>	4.46	5.85	-1.39	0.00	0.00	-	-	1,500	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-
MW-6	06/17/2004 <sup>25</sup>	4.46	6.08	-1.62	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/15/2004 <sup>18</sup>	4.46	6.74	-2.28	0.00	0.00	-	-	1,200	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-
MW-6	12/23/2004 <sup>25</sup>	4.46	5.76	-1.30	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	03/24/2005 <sup>18</sup>	4.46	4.65	-0.19	0.00	0.00	-	-	290	-	60	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-
MW-6	06/16/2005 <sup>25</sup>	4.46	5.50	-1.04	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/16/2005 <sup>18</sup>	4.46	5.09	-0.63	0.00	0.00	-	-	640	-	<50	<3	<3	<3	<3	<3	<250	-	-	-	-	-	-
MW-6	12/21/2005 <sup>25</sup>	4.46	5.00	-0.54	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	03/23/2006 <sup>18</sup>	4.46	4.63	-0.17	0.00	0.00	-	-	1,500	-	50	<3	<3	<3	<3	<3	<250	-	-	-	-	-	-
MW-6	06/09/2006 <sup>25</sup>	4.46	4.95	-0.49	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/05/2006 <sup>18</sup>	4.46	4.85	-0.39	0.00	0.00	-	-	820	-	<250	<3	<3	<3	<3	<3	<250	-	-	-	-	-	-
MW-6	12/15/2006 <sup>25</sup>	4.46	5.40	-0.94	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	03/01/2007 <sup>18</sup>	4.46	5.42	-0.96	0.00	0.00	-	-	1,600	-	<250	0.9	3	0.7	4	<0.5	<50	-	-	-	-	-	-
MW-6	06/05/2007 <sup>25</sup>	4.46	5.87	-1.41	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/05/2007 <sup>18</sup>	4.46	4.75	-0.29	0.00	0.00	-	-	850	-	58	<5	<5	<5	<5	<5	<500	-	-	-	-	-	-
MW-6	12/05/2007 <sup>25</sup>	4.46	5.58	-1.12	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	03/03/2008 <sup>18</sup>	4.46	5.86	-1.40	0.00	0.00	-	-	1,800	-	82	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-
MW-6	06/02/2008 <sup>25</sup>	4.46	5.24	-0.78	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/04/2008 <sup>18</sup>	4.46	4.71	-0.25	0.00	0.00	-	-	770	-	<50	<5 <sup>24</sup>	<5 <sup>24</sup>	<5 <sup>24</sup>	<5 <sup>24</sup>	<5 <sup>24</sup>	<500	-	-	-	-	-	-
MW-6	12/04/2008 <sup>25</sup>	4.46	4.80	-0.34	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	02/26/2009 <sup>18,26</sup>	4.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 FORMER CHEVRON SERVICE STATION 90121  
 3026 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	GENERAL CHEMISTRY					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE by SW8260		Ethanol	Ferrous Iron	Nitrate	Total Alkalinity	Sulfate	Total Dissolved Solids
Units	ft	ft	ft-amsl	ft	gal	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	µg/L	µg/L	µg/L	
MW-6	06/30/2009 <sup>18</sup>	4.46	5.29	-0.83	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/29/2009 <sup>18,24</sup>	4.46	4.82	-0.36	0.00	0.00	-	-	1,500	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-
MW-6	03/10/2010 <sup>18</sup>	4.46	2.91	1.55	0.00	0.00	-	-	2,500	-	120	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-
MW-6	09/15/2010	4.46	5.00	-0.54	0.00	0.00	-	-	1,300	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-
MW-6	03/14/2011	4.46	7.15	-2.69	0.00	0.00	72 J	-	710	-	89 J	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-
MW-6	09/26/2011	4.46	4.79	-0.33	0.00	0.00	-	<38	-	<50	<50	<1	<1	<1	<1	<1	<100	-	-	-	-	-	-
MW-6	03/30/2012	4.46	6.87	-2.41	0.00	0.00	-	<38	-	<50	<50	<5	<5	<5	<5	<5	<500	-	-	-	-	-	-
MW-6	09/22/2012	4.46	6.88	-2.42	0.00	0.00	-	<38	-	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-
<b>MW-6</b>	<b>03/19/2013</b>	<b>4.46</b>	<b>7.41</b>	<b>-2.95</b>	<b>0.00</b>	<b>0.00</b>	-	<b>&lt;38</b>	-	<b>&lt;50</b>	<b>62 J</b>	<b>&lt;3</b>	<b>&lt;3</b>	<b>&lt;3</b>	<b>&lt;3</b>	<b>&lt;3</b>	<b>&lt;250</b>	-	-	-	-	-	-
MW-7	08/24/1992	5.26	5.55	-0.29	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/21/1992	5.26	5.65	-0.39	0.00	0.00	-	-	<50	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-7	10/26/1992	5.26	5.51	-0.25	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	12/23/1992	5.26	3.95	1.31	0.00	0.00	-	-	60	-	<50	2.9	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-7	01/08/1993	5.26	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/25/1993	5.26	2.50	2.76	0.00	0.00	-	-	<10	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-7	06/11/1993	5.26	3.46	1.80	0.00	0.00	-	-	-	-	<50	0.6	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	2,200
MW-7	09/29/1993	5.26	5.52	-0.26	0.00	0.00	-	-	<10	-	<50	2.0	1.0	1.0	7.0	-	-	-	-	-	-	-	-
MW-7	12/20/1993	5.26	4.41	0.85	0.00	0.00	-	-	<10	-	<50	2.0	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-7	03/07/1994	5.26	2.62	2.64	0.00	0.00	-	-	<10	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-7	06/17/1994	5.26	3.27	1.99	0.00	0.00	-	-	<50	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-7	09/12/1994	5.26	4.11	1.15	0.00	0.00	-	-	<50	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-	-
MW-7	11/30/1994	5.26	2.76	2.50	0.00	0.00	-	-	92 <sup>1</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-7	03/24/1995	5.26	2.20	3.06	0.00	0.00	-	-	<50	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-7	06/27/1995	5.26	3.90	1.36	0.00	0.00	-	-	69 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-7	09/28/1995	5.26	4.85	0.41	0.00	0.00	-	-	84 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-7	12/19/1995	5.26	3.02	2.24	0.00	0.00	-	-	84 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
MW-7	02/28/1996	5.26	1.43	3.83	0.00	0.00	-	-	99 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
MW-7	06/25/1996	5.26	4.29	0.97	0.00	0.00	-	-	110 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
MW-7	12/17/1996	5.26	2.18	3.08	0.00	0.00	-	-	54 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
MW-7	03/31/1997	5.26	2.94	2.32	0.00	0.00	-	-	100 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
MW-7	06/30/1997 <sup>27</sup>	5.26	3.58	1.68	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/12/1997	5.26	3.41	1.85	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-



TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 FORMER CHEVRON SERVICE STATION 90121  
 3026 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS				ADDITIONAL VOCS	GENERAL CHEMISTRY					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X		MTBE by SW8260	Ethanol	Ferrous Iron	Nitrate	Total Alkalinity	Sulfate
Units	ft	ft	ft-amsl	ft	gal	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	µg/L	µg/L	µg/L
MW-7	12/05/1997	5.26	1.89	3.37	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	02/16/1998	5.26	1.83	3.43	0.00	0.00	-	-	77 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-
MW-7	06/17/1998	5.26	1.94	3.32	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	08/31/1998	5.26	4.19	1.07	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	12/28/1998	5.26	4.47	0.79	0.00	0.00	-	-	-	-	-	-	-	-	-	-	12000	<1,000	350000	79000	-	-
MW-7	03/04/1999	5.26	1.75	3.51	0.00	0.00	-	-	73.4	-	<50	<0.5	<0.5	<0.5	<0.5	<2.0	-	-	-	-	-	-
MW-7	06/14/1999	5.26	1.62	3.64	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/17/1999	5.26	4.84	0.42	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	12/20/1999	5.26	4.81	0.45	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/20/2000	5.26	1.85	3.41	0.00	0.00	-	-	<50	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-
MW-7	06/24/2000	5.26	2.21	3.05	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/07/2000	5.26	3.65	1.61	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	12/05/2000	5.26	2.95	2.31	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/01/2001	5.26	0.65	4.61	0.00	0.00	-	-	<50	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-
MW-7	06/04/2001	5.26	1.52	3.74	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/10/2001 <sup>27</sup>	5.26	4.18	1.08	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	12/03/2001 <sup>27</sup>	5.26	1.06	4.20	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/04/2002	5.26	1.50	3.76	0.00	0.00	-	-	<50	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
MW-7	05/30/2002 <sup>27</sup>	5.26	2.75	2.51	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/03/2002 <sup>27</sup>	5.26	3.02	2.24	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	12/09/2002 <sup>27</sup>	5.26	2.85	2.41	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/10/2003	5.26	1.94	3.32	0.00	0.00	-	-	85	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
MW-7	06/09/2003 <sup>27</sup>	5.26	2.54	2.72	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/08/2003 <sup>27</sup>	5.26	2.60	2.66	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	12/08/2003 <sup>27</sup>	5.26	2.45	2.81	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/09/2004 <sup>18</sup>	5.26	0.73	4.53	0.00	0.00	-	-	230	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-
MW-7	06/17/2004 <sup>26</sup>	5.26	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/15/2004 <sup>26</sup>	5.26	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	12/23/2004 <sup>28</sup>	5.26	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/24/2005 <sup>28</sup>	5.26	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	06/16/2005 <sup>28</sup>	5.26	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/16/2005 <sup>28</sup>	5.26	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	12/21/2005 <sup>28</sup>	5.26	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 FORMER CHEVRON SERVICE STATION 90121  
 3026 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS				ADDITIONAL VOCS	GENERAL CHEMISTRY						
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X		MTBE by SW8260	Ethanol	Ferrous Iron	Nitrate	Total Alkalinity	Sulfate	Total Dissolved Solids
Units	ft	ft	ft-amsl	ft	gal	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	µg/L	µg/L	µg/L	
MW-7	03/23/2006 <sup>28</sup>	5.26	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	06/09/2006 <sup>28</sup>	5.26	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/05/2006 <sup>28</sup>	5.26	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	12/15/2006 <sup>28</sup>	5.26	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	06/23/1992	8.94	24.14	-15.20	0.00	0.00	-	-	<50	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-8	08/24/1992	8.94	8.60	0.34	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	09/21/1992	8.94	8.39	0.55	0.00	0.00	-	-	<50	-	94	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-8	10/26/1992	8.94	9.12	-0.18	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	12/23/1992	8.94	8.11	0.83	0.00	0.00	-	-	79	-	<50	0.7	5.0	0.7	2.9	-	-	-	-	-	-	-	-
MW-8	01/08/1993	8.94	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	03/25/1993	8.94	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	06/11/1993	8.94	8.39	0.55	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	3,500
MW-8	09/29/1993	8.94	8.25	0.69	0.00	0.00	-	-	<10	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-8	12/20/1993	8.94	8.46	0.48	0.00	0.00	-	-	<10	-	<50	<0.5	0.6	<0.5	1.0	-	-	-	-	-	-	-	-
MW-8	03/07/1994	8.94	8.66	0.28	0.00	0.00	-	-	<10	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-8	06/17/1994	8.94	8.82	0.12	0.00	0.00	-	-	<50	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-8	09/12/1994	8.94	8.83	0.11	0.00	0.00	-	-	<50	-	<50	<0.5	<0.5	<0.5	0.8	<5.0	-	-	-	-	-	-	-
MW-8	11/30/1994	8.94	8.63	0.31	0.00	0.00	-	-	120 <sup>1</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-8	03/24/1995	8.94	8.51	0.43	0.00	0.00	-	-	110 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-8	06/27/1995	8.94	8.97	-0.03	0.00	0.00	-	-	67 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-8	09/28/1995	8.94	8.90	0.04	0.00	0.00	-	-	91 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-8	12/19/1995	8.94	8.40	0.54	0.00	0.00	-	-	76 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
MW-8	02/28/1996	8.94	8.44	0.50	0.00	0.00	-	-	<50	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
MW-8	06/25/1996	8.94	8.89	0.05	0.00	0.00	-	-	80 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
MW-8	12/17/1996	8.94	8.45	0.49	0.00	0.00	-	-	79 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
MW-8	03/31/1997	8.94	8.76	0.18	0.00	0.00	-	-	72 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	3.6	-	-	-	-	-	-	-
MW-8	06/30/1997	8.94	9.12	-0.18	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	09/12/1997	8.94	8.81	0.13	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	12/05/1997	8.94	8.35	0.59	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	02/16/1998	8.94	7.94	1.00	0.00	0.00	-	-	68 <sup>2</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	4.3	-	-	-	-	-	-	-
MW-8	06/17/1998	8.94	8.43	0.51	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	08/31/1998	8.94	8.88	0.06	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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GROUNDWATER MONITORING AND SAMPLING DATA  
 FORMER CHEVRON SERVICE STATION 90121  
 3026 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS				MTBE by SW8260	ADDITIONAL VOCS	GENERAL CHEMISTRY				
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X			Ethanol	Ferrous Iron	Nitrate	Total Alkalinity	Sulfate
Units	ft	ft	ft-amsl	ft	gal	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	µg/L	µg/L	µg/L
MW-8	12/28/1998	8.94	8.30	0.64	0.00	0.00	-	-	-	-	-	-	-	-	-	-	45	<1,000	1100000	87000	-	-
MW-8	03/04/1999	8.94	8.65	0.29	0.00	0.00	-	-	106	-	<50	<0.5	<0.5	<0.5	<0.5	3.83	-	-	-	-	-	-
MW-8	06/14/1999	8.94	8.42	0.52	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	09/17/1999	8.94	9.87	-0.93	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	12/20/1999	8.94	8.40	0.54	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	03/20/2000	8.94	8.12	0.82	0.00	0.00	-	-	82.2 <sup>5</sup>	-	<50	<0.5	<0.5	<0.5	<0.5	3.46	-	-	-	-	-	-
MW-8	06/24/2000 <sup>27</sup>	8.94	8.63	0.31	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	09/07/2000	8.94	8.68	0.26	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	12/05/2000	8.94	8.13	0.81	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	03/01/2001	8.94	7.90	1.04	0.00	0.00	-	-	51 <sup>11</sup>	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-
MW-8	06/04/2001	8.94	9.21	-0.27	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	09/10/2001 <sup>27</sup>	8.94	8.68	0.26	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	12/03/2001 <sup>27</sup>	8.94	7.82	1.12	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	03/04/2002	8.94	7.68	1.26	0.00	0.00	-	-	82	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
MW-8	05/30/2002 <sup>26</sup>	8.94	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	09/03/2002 <sup>27</sup>	8.94	9.15	-0.21	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	12/09/2002 <sup>27</sup>	8.94	8.73	0.21	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	03/10/2003	8.94	8.39	0.55	0.00	0.00	-	-	110	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
MW-8	06/09/2003 <sup>27</sup>	8.94	8.97	-0.03	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	09/08/2003 <sup>27</sup>	8.94	8.42	0.52	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	12/08/2003 <sup>27</sup>	8.94	8.17	0.77	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	03/09/2004 <sup>18</sup>	8.94	7.91	1.03	0.00	0.00	-	-	300	-	<50	<0.5	<0.5	<0.5	<0.5	3	<50	-	-	-	-	-
MW-8	06/17/2004 <sup>27</sup>	8.94	8.93	0.01	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	09/15/2004 <sup>27</sup>	8.94	9.91	-0.97	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	12/23/2004 <sup>27</sup>	8.94	5.74	3.20	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	03/24/2005 <sup>18</sup>	8.94	8.44	0.50	0.00	0.00	-	-	240	-	<50	<0.5	<0.5	<0.5	<0.5	1	<50	-	-	-	-	-
MW-8	06/16/2005 <sup>27</sup>	8.94	8.78	0.16	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	09/16/2005 <sup>27</sup>	8.94	8.68	0.26	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	12/21/2005 <sup>27</sup>	8.94	8.21	0.73	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	03/23/2006 <sup>18</sup>	8.94	7.91	1.03	0.00	0.00	-	-	120	-	<50	<0.5	<0.5	<0.5	<0.5	0.8	<50	-	-	-	-	-
MW-8	06/09/2006 <sup>27</sup>	8.94	8.91	0.03	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	09/05/2006 <sup>27</sup>	8.94	8.55	0.39	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	12/15/2006 <sup>27</sup>	8.94	8.26	0.68	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 FORMER CHEVRON SERVICE STATION 90121  
 3026 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	GENERAL CHEMISTRY				
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE by SW8260		Ethanol	Ferrous Iron	Nitrate	Total Alkalinity	Sulfate
Units	ft	ft	ft-amsl	ft	gal	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	µg/L	µg/L	µg/L
MW-8	03/01/2007 <sup>18</sup>	8.94	8.08	0.86	0.00	0.00	-	-	150	-	63	2	5	1	7	1	<50	-	-	-	-	-
MW-8	06/05/2007 <sup>27</sup>	8.94	8.35	0.59	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	09/05/2007 <sup>27</sup>	8.94	7.21	1.73	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	12/05/2007 <sup>27</sup>	8.94	7.17	1.77	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	03/03/2008 <sup>18</sup>	8.94	7.13	1.81	0.00	0.00	-	-	510	-	<50	<0.5	<0.5	<0.5	<0.5	0.9	<50	-	-	-	-	-
MW-8	06/02/2008 <sup>27</sup>	8.94	7.74	1.20	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	09/04/2008 <sup>27</sup>	8.94	7.88	1.06	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	12/04/2008 <sup>27</sup>	8.94	7.22	1.72	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	02/26/2009 <sup>18</sup>	8.94	6.44	2.50	0.00	0.00	-	-	580	-	<50	<0.5	<0.5	<0.5	<0.5	2	<50	-	-	-	-	-
MW-8	06/30/2009 <sup>27</sup>	8.94	7.62	1.32	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	09/29/2009 <sup>18,27</sup>	8.94	7.22	1.72	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	03/10/2010 <sup>18</sup>	8.94	5.18	3.76	0.00	0.00	-	-	460	-	<50	<0.5	<0.5	<0.5	<0.5	2	<50	-	-	-	-	-
MW-8	09/15/2010 <sup>27</sup>	8.94	8.77	0.17	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	03/14/2011 <sup>29</sup>	8.94	7.75	1.19	0.00	0.00	<38	-	<33	-	<50	<0.5	<0.5	<0.5	<0.5	1	<50	-	-	-	-	-
MW-8	09/26/2011 <sup>29</sup>	8.94	8.52	0.42	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	03/30/2012	8.94	7.56	1.38	0.00	0.00	-	<38	-	<50	<50	<0.5	<0.5	<0.5	<0.5	1	<50	-	-	-	-	-
MW-8	09/22/2012 <sup>29</sup>	8.94	8.55	0.39	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>MW-8</b>	<b>03/19/2013</b>	<b>8.94</b>	<b>8.01</b>	<b>0.93</b>	<b>0.00</b>	<b>0.00</b>	-	<b>&lt;38</b>	-	<b>&lt;50</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>0.7 J</b>	<b>&lt;50</b>	-	-	-	-	-
MW-9	04/19/1999	5.87	3.16	2.71	0.00	0.00	-	-	2,600 <sup>2</sup>	-	3,900 <sup>6</sup>	14	6.9	14	24	140	-	-	-	-	-	-
MW-9	06/14/1999	5.87	4.81	1.06	0.00	0.00	-	-	2,800 <sup>2</sup>	-	2,880	12.6	<10	<10	<10	138	-	-	-	-	-	-
MW-9	09/17/1999	5.87	4.85	1.02	0.00	0.00	-	-	1,770 <sup>2</sup>	-	3,370	33.1	14.4	<5.0	<5.0	202	-	-	-	-	-	-
MW-9	12/20/1999	5.87	4.00	1.87	0.00	0.00	-	-	996 <sup>2</sup>	-	3,970	42.2	13.5	<10	<10	311	-	-	-	-	-	-
MW-9	03/20/2000	5.87	3.00	2.87	0.00	0.00	-	-	2,710 <sup>2</sup>	-	5,920	22.1	<5.0	6.8	<5.0	106.0	-	-	-	-	-	-
MW-9	06/24/2000	5.87	3.91	1.96	0.00	0.00	-	-	1,940 <sup>9</sup>	-	2,500 <sup>7</sup>	12	<10	11	<10	120	-	-	-	-	-	-
MW-9	09/07/2000	5.87	4.28	1.59	0.00	0.00	-	-	1,500 <sup>9</sup>	-	3,700 <sup>7</sup>	<25	<25	<25	<25	330	-	-	-	-	-	-
MW-9	12/05/2000	5.87	3.80	2.07	0.00	0.00	-	-	1,300 <sup>12</sup>	-	3,470 <sup>2</sup>	<5.00	7.64	<5.00	<5.00	177	-	-	-	-	-	-
MW-9	03/01/2001	5.87	2.68	3.19	0.00	0.00	-	-	960 <sup>9</sup>	-	2,400 <sup>7</sup>	11	18.0	<10	<10	250	-	-	-	-	-	-
MW-9	06/04/2001	5.87	3.91	1.96	0.00	0.00	-	-	1,200 <sup>9</sup>	-	3,200 <sup>7</sup>	45	17	6.1	8.9	300	-	-	-	-	-	-
MW-9	09/10/2001	5.87	4.69	1.18	0.00	0.00	-	-	2,000 <sup>17</sup>	-	2,300	5.7	7.3	10	<5.0	200	-	-	-	-	-	-
MW-9	12/03/2001	5.87	2.99	2.88	0.00	0.00	-	-	2,600	-	3,600	14	5.4	8.2	8.5	210	-	-	-	-	-	-
MW-9	03/04/2002	5.87	3.55	2.32	0.00	0.00	-	-	3,700	-	4,400	17	<5.0	9.2	6.4	79	-	-	-	-	-	-
MW-9	05/30/2002	5.87	3.65	2.22	0.00	0.00	-	-	4,600	-	4,300	15	3.7	5.8	6.1	110	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 FORMER CHEVRON SERVICE STATION 90121  
 3026 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS				MTBE by SW8260	Ethanol	GENERAL CHEMISTRY					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X			Ferrous Iron	Nitrate	Total Alkalinity	Sulfate	Total Dissolved Solids	
	Units	ft	ft	ft-amsl	ft	gal	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	µg/L	µg/L	µg/L
MW-9	09/03/2002	5.87	4.56	1.31	0.00	0.00	-	-	2,500	-	3,200	5.8	2.6	3.5	5.6	84	-	-	-	-	-	-	-
MW-9	12/09/2002	5.87	4.36	1.51	0.00	0.00	-	-	2,600	-	3,000	6.3	3.2	3.9	6.1	110	-	-	-	-	-	-	-
MW-9	03/10/2003	5.87	3.61	2.26	0.00	0.00	-	-	1,500	-	3,300	11	3.7	5.4	<7.5	150	-	-	-	-	-	-	-
MW-9	06/09/2003 <sup>18</sup>	5.87	3.58	2.29	0.00	0.00	-	-	2,700	-	3,500	2	2	3	2	46	-	-	-	-	-	-	-
MW-9	09/08/2003 <sup>18</sup>	5.87	4.44	1.43	0.00	0.00	-	-	3,000	-	3,000	3	2	2	3	120	<50	-	-	-	-	-	-
MW-9	12/08/2003 <sup>18</sup>	5.87	3.66	2.21	0.00	0.00	-	-	2,500	-	2,400	3	3	3	4	560	<50	-	-	-	-	-	-
MW-9	03/09/2004 <sup>18</sup>	5.87	3.18	2.69	0.00	0.00	-	-	2,500	-	3,700	2	1	2	2	120	<50	-	-	-	-	-	-
MW-9	06/17/2004 <sup>18</sup>	5.87	4.82	1.05	0.00	0.00	-	-	2,700	-	3,100	2	1	2	3	96	<50	-	-	-	-	-	-
MW-9	09/15/2004 <sup>18</sup>	5.87	9.03	-3.16	0.00	0.00	-	-	2,600	-	1,200	1	<0.5	<0.5	2	190	<50	-	-	-	-	-	-
MW-9	12/23/2004 <sup>18</sup>	5.87	4.49	1.38	0.00	0.00	-	-	3,400	-	2,900	4	4	4	4	93	<50	-	-	-	-	-	-
MW-9	03/24/2005 <sup>18</sup>	5.87	2.52	3.35	0.00	0.00	-	-	1,500	-	3,200	16	2	3	3	23	<50	-	-	-	-	-	-
MW-9	06/16/2005 <sup>18</sup>	5.87	3.62	2.25	0.00	0.00	-	-	1,600	-	2,300	30	2	2	3	28	<50	-	-	-	-	-	-
MW-9	09/16/2005 <sup>18</sup>	5.87	4.78	1.09	0.00	0.00	-	-	1,500	-	1,400	2	0.9	1	2	50	<50	-	-	-	-	-	-
MW-9	12/21/2005 <sup>18</sup>	5.87	2.90	2.97	0.00	0.00	-	-	1,400 <sup>22</sup>	-	2,300	2	2	3	3	40	<50	-	-	-	-	-	-
MW-9	03/23/2006 <sup>18</sup>	5.87	2.62	3.25	0.00	0.00	-	-	1,600	-	2,900	1	9	6	160	24	<50	-	-	-	-	-	-
MW-9	06/09/2006 <sup>18</sup>	5.87	3.81	2.06	0.00	0.00	-	-	1,500	-	1,900	5	1	1	34	32	<50	-	-	-	-	-	-
MW-9	09/05/2006 <sup>18</sup>	5.87	4.93	0.94	0.00	0.00	-	-	1,700	-	1,300	1	1	0.9	14	53	<50	-	-	-	-	-	-
MW-9	12/15/2006 <sup>18</sup>	5.87	3.19	2.68	0.00	0.00	-	-	2,000	-	2,300	1	1	1	5	43	<50	-	-	-	-	-	-
MW-9	03/01/2007 <sup>18</sup>	5.87	3.07	2.80	0.00	0.00	-	-	1,700	-	3,000	1	1	1	4	36	<50	-	-	-	-	-	-
MW-9	06/05/2007 <sup>18</sup>	5.87	3.85	2.02	0.00	0.00	-	-	1,200	-	1,900	1	0.6	0.8	2	35	<50	-	-	-	-	-	-
MW-9	09/05/2007 <sup>18</sup>	5.87	4.98	0.89	0.00	0.00	-	-	1,800	-	1,400	1	0.8	0.8	3	56	<50	-	-	-	-	-	-
MW-9	12/05/2007 <sup>18</sup>	5.87	4.05	1.82	0.00	0.00	-	-	1,800	-	2,100	1	0.8	1	3	65	93	-	-	-	-	-	-
MW-9	03/03/2008 <sup>18</sup>	5.87	3.59	2.28	0.00	0.00	-	-	1,000	-	2,500	0.6	0.6	1	2	26	<50	-	-	-	-	-	-
MW-9	06/02/2008 <sup>18</sup>	5.87	4.78	1.09	0.00	0.00	-	-	1,700	-	2,400	1	0.8	0.8	2	50	<50	-	-	-	-	-	-
MW-9	09/04/2008 <sup>18</sup>	5.87	5.10	0.77	0.00	0.00	-	-	1,400	-	2,000	2	1	0.5	3	92	<50	-	-	-	-	-	-
MW-9	12/04/2008 <sup>18</sup>	5.87	4.73	1.14	0.00	0.00	-	-	2,300	-	1,700	1	2	1	3	50	<50	-	-	-	-	-	-
MW-9	02/26/2009 <sup>18</sup>	5.87	2.57	3.30	0.00	0.00	-	-	3,000	-	3,100	0.9	1	1	2	29	<50	-	-	-	-	-	-
MW-9	06/30/2009	5.87	4.63	1.24	0.00	0.00	-	-	1,700	-	2,600	0.9 J	0.9 J	0.8 J	4	49	<50	-	-	-	-	-	-
MW-9	09/29/2009	5.87	5.20	0.67	0.00	0.00	-	-	2,300	-	3,100	2	1	0.9 J	3	52	<50	-	-	-	-	-	-
MW-9	03/10/2010	5.87	3.00	2.87	0.00	0.00	-	-	5,000	-	4,100	0.6 J	0.8 J	1	2	19	<50	-	-	-	-	-	-
MW-9	09/15/2010	5.87	5.12	0.75	0.00	0.00	-	-	1,900	-	1,700	<0.5	<0.5	<0.5	<0.5	69	<50	-	-	-	-	-	-
MW-9	03/14/2011	5.87	3.53	2.34	0.00	0.00	430	-	1,100	-	2,600	0.6 J	5	0.9 J	1	14	<50	-	-	-	-	-	-
MW-9	09/26/2011	5.87	5.00	0.87	0.00	0.00	-	120	-	400	1,100	<0.5	<0.5	<0.5	<0.5	84	<50	-	-	-	-	-	-

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GROUNDWATER MONITORING AND SAMPLING DATA  
 FORMER CHEVRON SERVICE STATION 90121  
 3026 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	GENERAL CHEMISTRY					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE by SW8260		Ethanol	Ferrous Iron	Nitrate	Total Alkalinity	Sulfate	Total Dissolved Solids
	Units	ft	ft	ft-amsl	ft	gal	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	µg/L	µg/L	µg/L
MW-9	03/30/2012	5.87	2.32	3.55	0.00	0.00	-	310	-	790	1,200	0.5 J	3	1 J	0.9 J	19	<50	-	-	-	-	-	-
MW-9	09/22/2012	5.87	5.09	0.78	0.00	0.00	-	160	-	490	950	<0.5	0.6 J	<0.5	<0.5	68	<50	-	-	-	-	-	-
MW-9	03/19/2013	5.87	4.47	1.40	0.00	0.00	-	<38	-	240	1,800	<0.5	0.8 J	<0.5	0.5 J	25	<50	-	-	-	-	-	-
SUMP	05/30/2007	-	-	-	0.00	0.00	-	-	830	-	1,300	1	1	2	4	28	130	-	-	-	-	-	-
SUMP	03/05/2009	-	-	-	0.00	0.00	-	-	670	-	1,100	2	1	1	2	23	<50	-	-	-	-	-	-
SUMP	07/13/2009	-	-	-	0.00	0.00	-	-	270	-	120	<0.5	<0.5	<0.5	<0.5	5	<50	-	-	-	-	-	-
SUMP	03/19/2010	-	-	-	0.00	0.00	-	-	5,200	-	3,200	7	3	3	5	35	<50	-	-	-	-	-	-
SUMP	09/15/2010 <sup>26</sup>	-	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUMP	03/14/2011	-	-	-	0.00	0.00	<38	-	610	-	990	1	2	1	2	16	<50	-	-	-	-	-	-
SUMP	09/26/2011	-	-	-	0.00	0.00	-	4,200	-	1,000	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-
SUMP	03/30/2012	-	-	-	0.00	0.00	-	39 J	-	580	1,600	1	3	2	2	21	<50	-	-	-	-	-	-
SUMP	09/21/2012	-	-	-	0.00	0.00	-	<38	-	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-
SUMP	03/19/2013	-	-	-	0.00	0.00	-	<38	-	<50	120	<0.5	<0.5	<0.5	<0.5	6	<50	-	-	-	-	-	-
QA	12/03/2001	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-
QA	03/04/2002	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-
QA	05/30/2002	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-
QA	09/03/2002	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-
QA	12/09/2002	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-
QA	03/10/2003	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-
QA	06/09/2003 <sup>18</sup>	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	09/08/2003 <sup>18</sup>	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	12/08/2003 <sup>18</sup>	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	03/09/2004 <sup>18</sup>	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-

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 FORMER CHEVRON SERVICE STATION 90121  
 3026 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS	GENERAL CHEMISTRY					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE by SW8260		Ethanol	Ferrous Iron	Nitrate	Total Alkalinity	Sulfate	Total Dissolved Solids
	Units	ft	ft	ft-amsl	ft	gal	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	µg/L	µg/L	µg/L
QA	06/17/2004 <sup>18</sup>	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	09/15/2004 <sup>18</sup>	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	12/23/2004 <sup>18</sup>	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	03/24/2005 <sup>18</sup>	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	06/16/2005 <sup>18</sup>	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	09/16/2005 <sup>18</sup>	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	12/21/2005 <sup>18</sup>	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	03/23/2006 <sup>18</sup>	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	06/09/2006 <sup>18</sup>	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	09/05/2006 <sup>18</sup>	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	12/15/2006 <sup>18</sup>	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	03/01/2007 <sup>18</sup>	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	06/05/2007 <sup>18</sup>	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	09/05/2007 <sup>18</sup>	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	12/05/2007 <sup>18</sup>	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	03/03/2008 <sup>18</sup>	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	06/02/2008 <sup>18</sup>	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	09/04/2008 <sup>18</sup>	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	12/04/2008 <sup>18</sup>	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	02/26/2009 <sup>18</sup>	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	06/30/2009 <sup>18</sup>	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	09/29/2009 <sup>18</sup>	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	03/10/2010 <sup>18</sup>	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	09/15/2010	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-
QA	03/14/2011	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	09/26/2011	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	03/30/2012	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	09/21/2012	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	03/19/2013	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 FORMER CHEVRON SERVICE STATION 90121  
 3026 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS				MTBE by SW8260	ADDITIONAL VOCS	GENERAL CHEMISTRY					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X			Ethanol	Ferrous Iron	Nitrate	Total Alkalinity	Sulfate	Total Dissolved Solids
	Units	ft	ft	ft-amsl	ft	gal	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	µg/L	µg/L	µg/L
Trip Blank	09/21/1992	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	12/23/1992	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	03/25/1993	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	06/11/1993	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	09/29/1993	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	12/20/1993	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	03/07/1994	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	06/17/1994	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	09/12/1994	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	1.0	-	-	-	-	-	-	-	-
Trip Blank	11/30/1994	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	03/24/1995	-	-	-	-	-	-	-	-	-	<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	-	-	-	-	-	-	-	-
Trip Blank	12/19/1995	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	02/28/1996	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	06/25/1996	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
Trip Blank	12/17/1996	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
Trip Blank	03/31/1997	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
Trip Blank	06/30/1997	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
Trip Blank	09/12/1997	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
Trip Blank	12/05/1997	-	-	-	-	-	-	-	-	-	<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	06/17/1998	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
Trip Blank	08/31/1998	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
Trip Blank	12/28/1998	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
Trip Blank	03/04/1999	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.0	-	-	-	-	-	-	-
Trip Blank	06/14/1999	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
Trip Blank	09/17/1999	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-



TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA  
 FORMER CHEVRON SERVICE STATION 90121  
 3026 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS				ADDITIONAL VOCS	GENERAL CHEMISTRY						
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X		MTBE by SW8260	Ethanol	Ferrous Iron	Nitrate	Total Alkalinity	Sulfate	Total Dissolved Solids
Units	ft	ft	ft-amsl	ft	gal	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	µg/L	µg/L	µg/L	
Trip Blank	12/20/1999	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
Trip Blank	03/20/2000	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
Trip Blank	06/24/2000	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-
Trip Blank	09/07/2000	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-
Trip Blank	12/05/2000	-	-	-	-	-	-	-	-	-	<50	<0.500	<0.500	<0.500	<0.500	<2.5	-	-	-	-	-	-	-
Trip Blank	03/01/2001	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-
Trip Blank	06/04/2001	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-
Trip Blank	09/10/2001	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-

**Abbreviations and Notes:**

- TOC = Top of casing
- DTW = Depth to water
- GWE = Groundwater elevation
- LNAPLT = Light non-aqueous phase liquid thickness
- (ft-amsl) = Feet above mean sea level
- ft = Feet
- µg/L = Micrograms per liter
- TPH-DRO = Total petroleum hydrocarbons - diesel range organics
- TPH-GRO = Total petroleum hydrocarbons - gasoline range organics
- VOCS = Volatile organic compounds
- B = Benzene
- T = Toluene
- E = Ethylbenzene
- X = Xylenes (Total)
- MTBE = Methyl tert butyl ether
- = Not available / not applicable
- <x = Not detected at or above laboratory method detection limit
- J = Estimated value between method detection limit and laboratory reporting limit.

TABLE 1

**GROUNDWATER MONITORING AND SAMPLING DATA  
FORMER CHEVRON SERVICE STATION 90121  
3026 LAKESHORE AVENUE  
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS				ADDITIONAL VOCS	GENERAL CHEMISTRY					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X		MTBE by SW8260	Ethanol	Ferrous Iron	Nitrate	Total Alkalinity	Sulfate
Units	ft	ft	ft-amsl	ft	gal	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	µg/L	µg/L	µg/L

- 1 Chromatogram pattern indicates a non-diesel mix.
- 2 Chromatogram pattern indicates an unidentified hydrocarbon.
- 3 Chromatogram pattern indicates an unidentified hydrocarbon and weathered diesel.
- 4 Confirmation run.
- 5 ORC present in well.
- 6 Laboratory report indicates gasoline and unidentified hydrocarbons >10.
- 7 Laboratory report indicates gasoline C6-C12.
- 8 Laboratory report indicates this sample was analyzed outside of the EPA recommended holding time.
- 9 Laboratory report indicates unidentified hydrocarbons C9-C24.
- 10 Laboratory report indicates unidentified hydrocarbons C10-C24.
- 11 Laboratory report indicates unidentified hydrocarbons >C16.
- 12 Laboratory report indicates unidentified hydrocarbons C9-C40.
- 13 Laboratory report indicates diesel C9-C24 + unidentified hydrocarbons <C16.
- 14 Laboratory report indicates weathered gasoline C6-C12.
- 15 Laboratory report indicates unidentified hydrocarbons C6-C12.
- 16 Laboratory report indicates hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel.
- 17 Laboratory report indicates hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel. The pattern more closely resembles that of a heavier hydrocarbon mix.
- 18 BTEX and MTBE by EPA Method 8260.
- 19 Laboratory report indicates the observed sample pattern is not typical of diesel/#2 fuel oil.
- 20 ORC removed from well.
- 21 Laboratory report indicates the observed sample pattern is not typical of diesel/#2 fuel oil. It elutes in the DRO range later than #2 fuel and also has individual peaks eluting in the DRO range.
- 22 Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. It contains two patterns in the DRO range, one earlier and one later than #2 fuel.
- 23 Laboratory report indicates the observed sample pattern includes #2 fuel/diesel and an additional pattern which elutes later in the DRO range.
- 24 Laboratory report indicates the preservation requirements were not met. The vial submitted for volatile analysis did not have a pH <2 at the time of analysis. Due to the volital nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH=6
- 24 Laboratory report indicates reporting limits for the GC/MS volatile compounds were raised due to sample foaming.
- 25 Sampled semi-annually
- 26 Inaccessible
- 27 Sampled annually
- 28 Unable to locate
- 29 Well Not Sampled

ATTACHMENT A

MONITORING DATA PACKAGE



March 29, 2013

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

First Quarter 2013 Monitoring at  
Chevron Service Station 90121  
3026 Lakeshore Ave.  
Oakland, CA

Monitoring performed on March 19 and 20, 2013

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**Blaine Tech Services, Inc. Groundwater Monitoring Event 130319-BW2**

This submission covers the routine monitoring of groundwater wells conducted on March 19 and 20, 2013 at this location. Eight monitoring wells were measured for depth to groundwater (DTW). Eight monitoring wells were sampled. A sump sample was also collected from the adjacent Oakland Catholic Diocese Office. 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. 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.

First Quarter Groundwater Monitoring at Chevron 90121, 3026 Lakeshore Ave., 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 Blaine Tech 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

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

First Quarter Groundwater Monitoring at Chevron 90121, 3026 Lakeshore Ave., Oakland, CA

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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 product.

### **TRADITIONAL PURGING & SAMPLING**

#### **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.

## **Sample Collection**

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.

## **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.

## **Dissolved Oxygen Measurements**

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

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.

### **Oxidation Reduction Potential Measurements (ORP)**

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

## **LOW FLOW SAMPLING USING SAMPLE-PRO BLADDER PUMP**

### **Calibration**

Calibrate YSI Flow Cell as per manufacturer's specifications. Thoroughly rinse probe and cup between parameters. Calibration order as follows:

1. pH (use 3-point calibration of 7, 4, 10)
2. Oxygen Reduction Potential (ORP)
3. Specific Conductance
4. Dissolved Oxygen (DO) (calibrate simulating 100% oxygen saturation)

### **Purging & Sampling Collection**

1. Insert new bladder into Sample-Pro pump housing.
2. Remove dedicated PE tubing from the well or start with new PE tubing cut to the required length.
3. Attach the PE tubing to the Sample-Pro Bladder Pump.
4. Gently lower the Sample-Pro Bladder Pump, and PE tubing into the well, placing the Sample-Pro Bladder Pump intake at the center of the screened interval. Take care to minimize disturbance to the water column.
5. Direct effluent line into YSI 556 Flow Cell.
6. Set Sample-Pro Bladder Pump speed at 100 - 500 ml/min.
7. Collect water quality parameter measurements for temperature, pH, conductivity, turbidity, DO and ORP every 3-5 minutes.
8. Monitor drawdown during purging with electronic water level meter. Record water level with each parameter measurement. **MAXIMUM DRAWDOWN IS 0.33 FEET.**
9. Collect parameter measurements until stability is achieved. Stability is defined as three consecutive measurements where:

Temp	± 1 ° Celsius
pH	± 0.1
Conductivity	± 3%
Turbidity	± 10% NTU
DO	± 0.3 mg/l
ORP	± 10 Mv

10. Sample may be collected once stability is achieved and at least one system volume of water removed from the well.
11. Disconnect effluent line from YSI 556 Flow Cell.
12. Sample through effluent line while maintaining constant flow rate.
13. Remove Sample-Pro Bladder Pump, and PE tubing from well.
14. Detach and reinstall dedicated PE tubing in well.



## **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 or Non-Hazardous Waste Manifest to a Blaine Tech Services, Inc. facility before being transported to a Chevron approved disposal facility

## **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.

## **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. Field documentation is contemporaneous.

## **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 such as hose reels, pumps and bailers 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.

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.

## **FERROUS IRON MEASUREMENTS**

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

## WELL GAUGING DATA

Project # 130379-BWZ Date 3/19/13 Client Chevron

Site 3026 Lakeshore Ave Oakland.

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	1245	4					5.37	19.17		
MW-2A	1254	2					5.84	16.41		
MW-3A	0806	2					7.72	17.95		
MW-4A	1258	2					5.73	18.33		
MW-5	1232	2					10.97	32.58		
MW-6	1241	2					7.41	18.13		
MW-8	1237	2					8.01	24.97		
MW-9	1250	2					4.47	14.05	✓	
* MW-3A parked over on 3/19/13, Graded 3/20/13										

## CHEVRON WELL MONITORING DATA SHEET

Project #: 130319-BWZ	Station #: 9-0121
Sampler: BW	Date: 3/19/13
Weather: Clear	Ambient Air Temperature: 60°F
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 19.17	Depth to Water: 5.37
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]: 8.13	

Purge Method:  Bailer  Waterra  Disposable Bailer  Extraction Port  Dedicated Tubing  
 Electric Submersible  Peristaltic  Other: \_\_\_\_\_

Sampling Method: Bailer

9.0 (Gals.) X 3 = 27 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 μS)	Turbidity (NTUs)	Gals. Removed	Observations
1425	61.9	7.48	821	52	9.0	
1430	61.4	7.39	797	26	18.0	
1434	61.2	7.33	784	21	27.0	

Did well dewater? Yes  No  Gallons actually evacuated: 27.0

Sampling Date: 3/19/13 Sampling Time: 1440 Depth to Water: 6.21

Sample I.D.: MW-1 Laboratory: (Lancaster) Other: \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE OXYS Other: See COC

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:

## CHEVRON WELL MONITORING DATA SHEET

Project #: 130319-BWZ	Station #: 9-0121
Sampler: BW	Date: 3/20/13
Weather: Overcast	Ambient Air Temperature: 54°F
Well I.D.: MW-ZA	Well Diameter: (2) 3 4 6 8
Total Well Depth: 16.41	Depth to Water: 5.84
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]: 7.95	

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: \_\_\_\_\_

1.7	(Gals.) X	3	=	5.1	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 (μS))	Turbidity (NTUs)	Gals. Removed	Observations
0850	62.4	7.14	4571	71000	2.0	
0852	62.3	7.03	4491	17	4.0	
0854	62.1	6.94	4483	14	5.5	

Did well dewater? Yes  No  Gallons actually evacuated: 5.5

Sampling Date: 3/20/12 Sampling Time: 0900 Depth to Water: 6.21

Sample I.D.: MW-ZA Laboratory: (Lancaster) Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE OXYS Other: See Col

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:

## CHEVRON WELL MONITORING DATA SHEET

Project #: 1303A-BWZ	Station #: 9-0121
Sampler: BW	Date: 3/20/13
Weather: Overcast	Ambient Air Temperature: 54°F
Well I.D.: MW-3A	Well Diameter: (2) 3 4 6 8
Total Well Depth: <del>7.72</del> 17.95	Depth to Water: <del>17.95</del> 7.72
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]: 20.00	

Purge Method: Bailer Watterra Disposible Bailer  
Disposible Bailer Peristaltic Extraction Port  
Positive Air Displacement Extraction Pump Dedicated Tubing  
Electric Submersible Other: Check Valve Other: new tubing

1.6 (Gals.) X	3	= 4.8 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 μS)	Turbidity (NTUs)	Gals. Removed	Observations
0821	61.4	6.93	6581	61	20	
0827	61.6	6.84	6602	52	3.5	
0835	61.7	6.80	6597	63	5.0	

Did well dewater? Yes  No  Gallons actually evacuated: 5.0

Sampling Date: 3/20/13 Sampling Time: 0840 Depth to Water: 18.63

Sample I.D.: MW-3A Laboratory: (Lancaster) Other: \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE OXYS Other: See COC

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 #: 130319-BW2	Station #: 9-0121
Sampler: BW	Date: 3/20/13
Weather: Overcast	Ambient Air Temperature: 54°F
Well I.D.: MW-4A	Well Diameter: (2) 3 4 6 8
Total Well Depth: 18.33	Depth to Water: 5.73
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]: 8.25	

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: \_\_\_\_\_

2.0 (Gals.) X	3	= 6.0 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 μS)	Turbidity (NTUs)	Gals. Removed	Observations
0912	62.3	7.28	3681	77	2.0	
0914	62.8	7.21	3703	51	4.0	
0916	63.1	7.20	3721	46	6.0	

Did well dewater? Yes  No  Gallons actually evacuated: 6.0

Sampling Date: 3/20/13 Sampling Time: 0920 Depth to Water: 6.03

Sample I.D.: MW-4A Laboratory: (Lancaster) Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE OXYS Other: See COC

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:

## CHEVRON WELL MONITORING DATA SHEET

Project #: 130319-BWZ	Station #: 9-0121
Sampler: BW	Date: 3/19/13
Weather: Clear	Ambient Air Temperature: 60°F
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 _____
Total Well Depth: 32.58	Depth to Water: 10.97
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]: 15.29	

Purge Method:  Bailer  Waterra  Disposable Bailer  
 Disposable Bailer  Peristaltic  Extraction Port  
 Positive Air Displacement  Extraction Pump  Dedicated Tubing  
 Electric Submersible  Other \_\_\_\_\_ Other: \_\_\_\_\_

3.5 (Gals.) X 3 = 10.5 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 <u>µS</u> )	Turbidity (NTUs)	Gals. Removed	Observations
1310	63.3	7.23	1242	11	3.5	
1312	63.5	6.94	1263	10	7.0	
1315	63.9	6.91	1270	7	10.5	

Did well dewater? Yes  No Gallons actually evacuated: 10.5

Sampling Date: 3/19/13 Sampling Time: 1320 Depth to Water: 12.07

Sample I.D.: MW-5 Laboratory: Lancaster Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE OXYS Other: See COL

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 #: 130319-BW2	Station #: 9-0121
Sampler: BW	Date: 3/19/13
Weather: Clear	Ambient Air Temperature: 60°F
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8
Total Well Depth: 18.13	Depth to Water: 7.41
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]: 9.55	

Purge Method:  Bailer  Waterra  Disposable Bailer  Extraction Port  Dedicated Tubing  
 Electric Submersible  Peristaltic  Extraction Pump  Other: \_\_\_\_\_  
 Sampling Method: Bailer

1.7	(Gals.) X	3	=	5.1	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 µS)	Turbidity (NTUs)	Gals. Removed	Observations
1358	63.8	6.92	16.01	71000	2.0	
1402	64.2	6.84	15.92	768	3.5	
1405	64.3	6.79	15.90	413	5.5	

Did well dewater? Yes  No  Gallons actually evacuated: 5.5

Sampling Date: 3/19/13 Sampling Time: 1410 Depth to Water: 7.92

Sample I.D.: MW-6 Laboratory: (Lancaster) Other: \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE OXYS Other: See LOC

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 #: 130319-BW2	Station #: 9-0121
Sampler: BW	Date: 3/19/13
Weather: Clear	Ambient Air Temperature: 60°F
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8
Total Well Depth: 24.97	Depth to Water: 8.01
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]: 11.40	

Purge Method:  Bailer  Waterra  Disposable Bailer  Extraction Port  Dedicated Tubing  
 Electric Submersible  Peristaltic  Extraction Pump  Other: \_\_\_\_\_  
 Sampling Method: Bailer

2.7 (Gals.) X 3 = 8.1 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 μS)	Turbidity (NTUs)	Gals. Removed	Observations
1335	64.5	6.97	1301	16	2.7	
1337	64.6	6.89	1281	11	5.5	
1340	64.7	6.87	1274	10	8.5	

Did well dewater? Yes  No  Gallons actually evacuated: 8.5

Sampling Date: 3/19/13 Sampling Time: 1345 Depth to Water: 9.46

Sample I.D.: MW-8 Laboratory: (Lancaster) Other: \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE OXYS Other: See COC

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 #: 130319-BW2	Station #: 9-0121
Sampler: BW	Date: 3/19/13
Weather: Overcast	Ambient Air Temperature: 58°F
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8
Total Well Depth: 14.05	Depth to Water: 4.47
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]: 6.39	

Purge Method:  Bailer  Waterra  Disposable Bailer  Extraction Port  Dedicated Tubing  
 Electric Submersible  Peristaltic  Other \_\_\_\_\_

Sampling Method:  Bailer  Extraction Port  Dedicated Tubing

1.5 (Gals.) X 3 = 4.5 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
1320	63.4	7.30	829	10	1.5	
1322	63.1	7.14	847	7	3.0	
1324	62.9	7.08	860	5	4.5	

Did well dewater? Yes  No  Gallons actually evacuated: 4.5

Sampling Date: 3/19/13 Sampling Time: 1330 Depth to Water: 4.89

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

Analyzed for: TPH-G BTEX MTBE OXYS Other: See COC

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 #: 130319-BWZ	Station #: 9-0121
Sampler: BW	Date: 3/19/13
Weather: Clear	Ambient Air Temperature: 58°F
Well I.D.: Samp Sample	Well Diameter: 2 3 4 6 8 _____
Total Well Depth:	Depth to Water:
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]:	

Purge Method:

<input checked="" type="checkbox"/> Bailer	<input checked="" type="checkbox"/> Waterra
<input checked="" type="checkbox"/> Disposable Bailer	<input checked="" type="checkbox"/> Peristaltic
<input checked="" type="checkbox"/> Positive Air Displacement	<input checked="" type="checkbox"/> Extraction Pump
<input checked="" type="checkbox"/> Electric Submersible	<input checked="" type="checkbox"/> Other _____

Sampling Method: Bailer

Disposable Bailer

Extraction Port

Dedicated Tubing

Other: \_\_\_\_\_

\_\_\_\_\_ (Gals.) X \_\_\_\_\_ = \_\_\_\_\_ 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
1500	60.9	7.04	1381	77	—	

Did well dewater?      Yes      No      Gallons actually evacuated: \_\_\_\_\_

Sampling Date: 3/19/13      Sampling Time: 1500      Depth to Water: \_\_\_\_\_

Sample I.D.: Samp Sample      Laboratory: Lancaster Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE OXYS Other: See COC

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

CHAIN OF CUSTODY FORM

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

COC # of 1

Chevron Site Number: 90121 Chevron Site Global ID: TO600100328 Chevron Site Address: 3026 Lakeshore Ave., Oakland, CA Chevron PM: CATALINA DEVINE Chevron PM Phone No.: (925)790-3949 <input checked="" type="checkbox"/> Retail and Terminal Business Unit (RTBU) Job <input checked="" type="checkbox"/> Construction/Retail Job			Chevron Consultant: CRA Address: 5900 Hollis St. Suite A Emeryville, CA CA Consultant Contact: Nathan Lee Consultant Phone No. 510-420-3333 Consultant Project No. 130319-BLWZ Sampling Company: Blaine Tech Services Sampled By (Print): Brian Weeks Sampler Signature: <i>Brian Weeks</i>			ANALYSES REQUIRED												
Charge Code: NWRTB-0090121-0-OML NWRTB 00SITE NUMBER-0- WBS <b>(WBS ELEMENTS:</b> 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 <input checked="" type="checkbox"/> 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. 1200 20C 1500 20C 0800 20C 1000 20C _____ _____		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, Silica gel cleanup required for TPH-D and TPHm Notes/Comments									
SAMPLE ID																		
Field Point Name	Matrix	Top Depth	Date (yyymmdd)	Sample Time	# of Containers	Container Type	EPA 8260B/GC/MS TPH LG	EPA 8015B GRO	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	EPA 8260 ETHANOL	EPA 8015 TPH-D	TPHm 8015	Notes/Comments
MW-1	W		130319	1440	10	MIX	X	X							X		X	
MW-2A			130320	0900	10		X	X							X		X	
MW-3A			130320	0840	10		X	X							X		X	
MW-4A			130320	0920	10		X	X							X		X	
MW-5			130319	1320	10		X	X							X		X	
MW-6			130319	1410	10		X	X							X		X	
MW-8				1345	10		X	X							X		X	
MW-9				1330	10		X	X							X		X	
Sump Sample				1500	10		X	X							X		X	
QA	TB			1115	2	UOA	X	X										No DRO
Relinquished By: <i>[Signature]</i> Company: BTS Date/Time: 3/20/13 @ 1705			Relinquished To: <i>[Signature]</i> Company: BTS Date/Time: 3/20/13 @ 1705			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: <i>[Signature]</i> Company: BB Date/Time: 3/21/13 1005			Relinquished To: <i>[Signature]</i> Company: LLI Date/Time: 3/21/13 1005			Sample Integrity: (Check by lab on arrival)												
Relinquished By: _____ Company: _____ Date/Time: _____			Relinquished To: _____ Company: _____ Date/Time: _____			Intact: _____ On Ice: _____ Temp: _____ COC # _____												

# WELLHEAD INSPECTION CHECKLIST

Page 1 of 1

Client Chevron Date 3/19/13  
 Site Address 3026 Lakeshore Ave Oakland  
 Job Number 130319-BWZ Technician BL

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12" or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12" or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-1	X	X	X							
MW-2A	X	X	X							
MW-3A	X	X	X							
MW-4A	X	X	X							
MW-5	X	X	X							
MW-6		X	X							X
MW-8	X	X	X							
MW-9	X	X	X							

NOTES: MW-6 : 2 1/2 Tabs Stripped  
MW-9 : Below grade

SOURCE RECORD **BILL OF LADING**

FOR PURGEWATER RECOVERED FROM GROUNDWATER WELLS AT CHEVRON FACILITIES IN THE STATE OF CALIFORNIA. THE PURGE- WATER WHICH HAS BEEN RECOVERED FROM GROUND- WATER WELLS IS COLLECTED BY THE CONTRACTOR AND HAULED TO THEIR FACILITY IN SAN JOSE, CALIFORNIA FOR TEMPORARILY HOLDING PENDING TRANSPORT BY OTHERS TO FINAL DESTINATION.

The contractor performing this work is BLAINE TECH SERVICES, INC. (BLAINE TECH), 1680 Rogers Ave. San Jose CA (408) 573-0555). BLAINE TECH. is authorized by Chevron Environmental Management Company (CHEVRON EMC) to recover, collect, apportion into loads, and haul the purgewater that is drawn from wells at the CHEVRON EMC facility indicated below and to deliver that purgewater to BLAINE TECH for temporarily holding. Transport routing of the purgewater may be direct from one CHEVRON EMC facility to BLAINE TECH; from one CHEVRON EMC facility to BLAINE TECH via another CHEVRON EMC facility; or any combination thereof. The well purgewater is and remains the property of CHEVRON EMC.

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:

9-0121 Catalina Devine  
 CHEVRON #                      Chevron Engineer  
3026 Lakeshore Ave Oakland, CA  
 street number street name city state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-1	1 27.0		
MW-2A	1 6		
MW-3A	1 5		
MW-4A	1 6		
MW-5	1 11		
MW-6	1 6		
MW-8	1 9		
MW-9	1 5		
added equip.		any other	
rinse water	1 8	adjustments	/
<b>TOTAL GALS. RECOVERED</b>	<u>83</u>	loaded onto	
		BTS vehicle #	<u>29</u>
BTS event #	time	date	
<u>130319-BWZ</u>	<u>1600</u>	<u>3 20 1 13</u>	
Transporter signature <u>[Signature]</u>			
*****			
<b>REC'D AT</b>	time	date	
<u>BTS-55</u>		<u>3 120 113</u>	
Unloaded/received 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

April 02, 2013

Project: 90121

Submittal Date: 03/22/2013

Group Number: 1377445

PO Number: 0015119899

Release Number: ESPINO DEVINE

State of Sample Origin: CA

Client Sample Description

MW-1-W-130319 NA Water  
MW-2A-W-130320 NA Water  
MW-3A-W-130320 NA Water  
MW-4A-W-130320 NA Water  
MW-5-W-130319 NA Water  
MW-6-W-130319 NA Water  
MW-8-W-130319 NA Water  
MW-9-W-130319 NA Water  
Sump Sample-W-130319 NA Water  
QA-T-130319 NA Water

Lancaster Labs (LLI) #

6993552  
6993553  
6993554  
6993555  
6993556  
6993557  
6993558  
6993559  
6993560  
6993561

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	Chevron	Attn: Anna Avina
ELECTRONIC COPY TO	CRA	Attn: Nathan Lee
ELECTRONIC COPY TO	CRA	Attn: Ian Hull

Respectfully Submitted,



Jill M. Parker  
Senior Specialist

(717) 556-7262

**Sample Description:** MW-1-W-130319 NA Water  
**Facility#** 90121 BTST  
**3026 Lakeshore-Oakland T0600100328**

**LLI Sample #** WW 6993552  
**LLI Group #** 1377445  
**Account #** 10991

**Project Name:** 90121

Collected: 03/19/2013 14:40 by BW

Chevron

6001 Bollinger Canyon Rd L4310

Submitted: 03/22/2013 16:30

San Ramon CA 94583

Reported: 04/02/2013 19:54

LAO01

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	24	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.	270	50	100	1
<b>GC Petroleum SW-846 8015B</b>						
<b>Hydrocarbons w/Si</b>						
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	69	J 50	100	1
The reverse surrogate, capric acid, is present at <1%.						
<b>GC Petroleum SW-846 8015B modified</b>						
<b>Hydrocarbons w/Si</b>						
10006	Motor Oil C16-C36 w/Si Gel	n.a.	N.D.	38	110	1
10006	Total TPH w/Si Gel	n.a.	N.D.	38	110	1
TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
The reverse surrogate, capric acid, is present at <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	P130881AA	03/29/2013 14:22	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130881AA	03/29/2013 14:22	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13084B20A	03/25/2013 21:44	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13084B20A	03/25/2013 21:44	Catherine J Schwarz	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130820006A	03/29/2013 08:56	Lisa A Reinert	1
10006	TPH Fuels water w/Si Gel modified	SW-846 8015B modified	1	130840012A	03/28/2013 19:57	Heather E Williams	1

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

**Sample Description:** MW-1-W-130319 NA Water  
 Facility# 90121 BTST  
 3026 Lakeshore-Oakland T0600100328

LLI Sample # WW 6993552  
 LLI Group # 1377445  
 Account # 10991

**Project Name:** 90121

Collected: 03/19/2013 14:40 by BW

Chevron

6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

Submitted: 03/22/2013 16:30

Reported: 04/02/2013 19:54

LAO01

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	130820006A	03/24/2013 01:00	Karen L Beyer	1
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	130840012A	03/25/2013 23:00	Elaine F Stoltzfus	1

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

**Sample Description: MW-2A-W-130320 NA Water**  
**Facility# 90121 BTST**  
**3026 Lakeshore-Oakland T0600100328**

**LLI Sample # WW 6993553**  
**LLI Group # 1377445**  
**Account # 10991**

**Project Name: 90121**

Collected: 03/20/2013 09:00 by BW

Chevron

6001 Bollinger Canyon Rd L4310

Submitted: 03/22/2013 16:30

San Ramon CA 94583

Reported: 04/02/2013 19:54

LAO02

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	130	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.	310	50	100	1
<b>GC Petroleum SW-846 8015B</b>						
<b>Hydrocarbons w/Si</b>						
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	100	1
The reverse surrogate, capric acid, is present at <1%.						
<b>GC Petroleum SW-846 8015B modified</b>						
<b>Hydrocarbons w/Si</b>						
10006	Motor Oil C16-C36 w/Si Gel	n.a.	N.D.	38	110	1
10006	Total TPH w/Si Gel	n.a.	N.D.	38	110	1
TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
The reverse surrogate, capric acid, is present at <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	P130912AA	04/01/2013 13:46	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130912AA	04/01/2013 13:46	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13084B20A	03/25/2013 22:06	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13084B20A	03/25/2013 22:06	Catherine J Schwarz	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130840028A	03/28/2013 18:09	Christine E Dolman	1
10006	TPH Fuels water w/Si Gel	SW-846 8015B modified	1	130840012A	03/28/2013 20:18	Heather E Williams	1

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

**Sample Description:** MW-2A-W-130320 NA Water  
 Facility# 90121 BTST  
 3026 Lakeshore-Oakland T0600100328

LLI Sample # WW 6993553  
 LLI Group # 1377445  
 Account # 10991

**Project Name:** 90121

Collected: 03/20/2013 09:00 by BW

Chevron

6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

Submitted: 03/22/2013 16:30

Reported: 04/02/2013 19:54

LAO02

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	130840028A	03/26/2013 09:00	Joseph S Feister	1
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	130840012A	03/25/2013 23:00	Elaine F Stoltzfus	1

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

**Sample Description: MW-3A-W-130320 NA Water**  
**Facility# 90121 BTST**  
**3026 Lakeshore-Oakland T0600100328**

**LLI Sample # WW 6993554**  
**LLI Group # 1377445**  
**Account # 10991**

**Project Name: 90121**

Collected: 03/20/2013 08:40 by BW

Chevron

6001 Bollinger Canyon Rd L4310

Submitted: 03/22/2013 16:30

San Ramon CA 94583

Reported: 04/02/2013 19:54

LAO03

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
<b>GC Petroleum SW-846 8015B</b>						
<b>Hydrocarbons w/Si</b>						
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	100	1
The reverse surrogate, capric acid, is present at <1%.						
<b>GC Petroleum SW-846 8015B modified</b>						
<b>Hydrocarbons w/Si</b>						
10006	Motor Oil C16-C36 w/Si Gel	n.a.	N.D.	38	110	1
10006	Total TPH w/Si Gel	n.a.	N.D.	38	110	1
TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
The reverse surrogate, capric acid, is present at <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	P130912AA	04/01/2013 14:14	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130912AA	04/01/2013 14:14	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13085C20A	03/27/2013 13:21	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	13085C20A	03/27/2013 13:21	Marie D John	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130840028A	03/28/2013 18:31	Christine E Dolman	1
10006	TPH Fuels water w/Si Gel	SW-846 8015B modified	1	130840012A	03/28/2013 20:39	Heather E Williams	1
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	130840028A	03/26/2013 09:00	Joseph S Feister	1

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



Sample Description: MW-3A-W-130320 NA Water  
Facility# 90121 BTST  
3026 Lakeshore-Oakland T0600100328

LLI Sample # WW 6993554  
LLI Group # 1377445  
Account # 10991

Project Name: 90121

Collected: 03/20/2013 08:40 by BW

Chevron

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 03/22/2013 16:30

Reported: 04/02/2013 19:54

LAO03

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	130840012A	03/25/2013 23:00	Elaine F Stoltzfus	1

**Sample Description:** MW-4A-W-130320 NA Water  
**Facility#** 90121 BTST  
**3026 Lakeshore-Oakland T0600100328**

**LLI Sample #** WW 6993555  
**LLI Group #** 1377445  
**Account #** 10991

**Project Name:** 90121

Collected: 03/20/2013 09:20 by BW

Chevron

6001 Bollinger Canyon Rd L4310

Submitted: 03/22/2013 16:30

San Ramon CA 94583

Reported: 04/02/2013 19:54

LAO04

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	2	0.5	1	1
10943	Ethanol	64-17-5	N.D.	50	250	1
10943	Ethylbenzene	100-41-4	0.7 J	0.5	1	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	120	0.5	1	1
10943	Toluene	108-88-3	0.8 J	0.5	1	1
10943	Xylene (Total)	1330-20-7	0.7 J	0.5	1	1
<b>GC Volatiles SW-846 8015B</b>						
01728	TPH-GRO N. CA water C6-C12	n.a.	410	50	100	1
<b>GC Petroleum SW-846 8015B</b>						
<b>Hydrocarbons w/Si</b>						
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	78 J	50	100	1
The reverse surrogate, capric acid, is present at <1%.						
<b>GC Petroleum SW-846 8015B modified</b>						
<b>Hydrocarbons w/Si</b>						
10006	Motor Oil C16-C36 w/Si Gel	n.a.	N.D.	38	110	1
10006	Total TPH w/Si Gel	n.a.	N.D.	38	110	1
TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
The reverse surrogate, capric acid, is present at <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	P130911AA	04/01/2013 13:32	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130911AA	04/01/2013 13:32	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13085C20A	03/27/2013 13:43	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	13085C20A	03/27/2013 13:43	Marie D John	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130840028A	03/28/2013 18:54	Christine E Dolman	1
10006	TPH Fuels water w/Si Gel	SW-846 8015B modified	1	130840012A	03/28/2013 21:00	Heather E Williams	1
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	130840028A	03/26/2013 09:00	Joseph S Feister	1

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

**Sample Description:** MW-4A-W-130320 NA Water  
 Facility# 90121 BTST  
 3026 Lakeshore-Oakland T0600100328

LLI Sample # WW 6993555  
 LLI Group # 1377445  
 Account # 10991

**Project Name:** 90121

Collected: 03/20/2013 09:20 by BW

Chevron

6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

Submitted: 03/22/2013 16:30

Reported: 04/02/2013 19:54

LAO04

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	130840012A	03/25/2013 23:00	Elaine F Stoltzfus	1

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

Sample Description: MW-5-W-130319 NA Water  
Facility# 90121 BTST  
3026 Lakeshore-Oakland T0600100328

LLI Sample # WW 6993556  
LLI Group # 1377445  
Account # 10991

Project Name: 90121

Collected: 03/19/2013 13:20 by BW

Chevron

6001 Bollinger Canyon Rd L4310

Submitted: 03/22/2013 16:30

San Ramon CA 94583

Reported: 04/02/2013 19:54

LAO05

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	0.9 J	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
<b>GC Petroleum SW-846 8015B</b>						
<b>Hydrocarbons w/Si</b>						
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	100	1
The reverse surrogate, capric acid, is present at <1%.						
<b>GC Petroleum SW-846 8015B modified</b>						
<b>Hydrocarbons w/Si</b>						
10006	Motor Oil C16-C36 w/Si Gel	n.a.	N.D.	38	120	1
10006	Total TPH w/Si Gel	n.a.	N.D.	38	120	1
TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
The reverse surrogate, capric acid, is present at <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	P130911AA	04/01/2013 14:00	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130911AA	04/01/2013 14:00	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13084B20A	03/25/2013 22:28	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13084B20A	03/25/2013 22:28	Catherine J Schwarz	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130820006A	03/29/2013 09:18	Lisa A Reinert	1
10006	TPH Fuels water w/Si Gel modified	SW-846 8015B modified	1	130840012A	03/28/2013 21:21	Heather E Williams	1

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

**Sample Description:** MW-5-W-130319 NA Water  
 Facility# 90121 BTST  
 3026 Lakeshore-Oakland T0600100328

LLI Sample # WW 6993556  
 LLI Group # 1377445  
 Account # 10991

**Project Name:** 90121

Collected: 03/19/2013 13:20 by BW

Chevron

6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

Submitted: 03/22/2013 16:30

Reported: 04/02/2013 19:54

LAO05

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	130820006A	03/24/2013 01:00	Karen L Beyer	1
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	130840012A	03/25/2013 23:00	Elaine F Stoltzfus	1

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

Sample Description: MW-6-W-130319 NA Water  
Facility# 90121 BTST  
3026 Lakeshore-Oakland T0600100328

LLI Sample # WW 6993557  
LLI Group # 1377445  
Account # 10991

Project Name: 90121

Collected: 03/19/2013 14:10 by BW

Chevron

6001 Bollinger Canyon Rd L4310

Submitted: 03/22/2013 16:30

San Ramon CA 94583

Reported: 04/02/2013 19:54

LAO06

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.	3	5	5
10943	Ethanol	64-17-5	N.D.	250	1,300	5
10943	Ethylbenzene	100-41-4	N.D.	3	5	5
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	3	5	5
10943	Toluene	108-88-3	N.D.	3	5	5
10943	Xylene (Total)	1330-20-7	N.D.	3	5	5

A preserved vial was submitted for analysis. However, the pH at the time of analysis was 7.

<b>GC Volatiles SW-846 8015B</b>							
01728	TPH-GRO N. CA water C6-C12	n.a.	62	J	50	100	1

<b>GC Petroleum SW-846 8015B</b>							
<b>Hydrocarbons w/Si</b>							
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.		50	100	1
The reverse surrogate, capric acid, is present at <1%.							

<b>GC Petroleum SW-846 8015B modified</b>							
<b>Hydrocarbons w/Si</b>							
10006	Motor Oil C16-C36 w/Si Gel	n.a.	N.D.		38	120	1
10006	Total TPH w/Si Gel	n.a.	N.D.		38	120	1

TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons. The reverse surrogate, capric acid, is present at <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	P130911AA	04/01/2013 14:27	Emily R Styer	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130911AA	04/01/2013 14:27	Emily R Styer	5
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13084B20A	03/25/2013 22:50	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13084B20A	03/25/2013 22:50	Catherine J Schwarz	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130820006A	03/29/2013 09:41	Lisa A Reinert	1

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

Sample Description: MW-6-W-130319 NA Water  
 Facility# 90121 BTST  
 3026 Lakeshore-Oakland T0600100328

LLI Sample # WW 6993557  
 LLI Group # 1377445  
 Account # 10991

Project Name: 90121

Collected: 03/19/2013 14:10 by BW

Chevron

6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

Submitted: 03/22/2013 16:30

Reported: 04/02/2013 19:54

LAO06

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10006	TPH Fuels water w/Si Gel	SW-846 8015B modified	1	130840012A	03/28/2013 21:42	Heather E Williams	1
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	130820006A	03/24/2013 01:00	Karen L Beyer	1
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	130840012A	03/25/2013 23:00	Elaine F Stoltzfus	1

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

**Sample Description:** MW-8-W-130319 NA Water  
**Facility#** 90121 BTST  
**3026 Lakeshore-Oakland T0600100328**

**LLI Sample #** WW 6993558  
**LLI Group #** 1377445  
**Account #** 10991

**Project Name:** 90121

Collected: 03/19/2013 13:45 by BW

Chevron

6001 Bollinger Canyon Rd L4310

Submitted: 03/22/2013 16:30

San Ramon CA 94583

Reported: 04/02/2013 19:54

LAO08

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	0.7 J	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
<b>GC Petroleum SW-846 8015B</b>						
<b>Hydrocarbons w/Si</b>						
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	100	1
The reverse surrogate, capric acid, is present at <1%.						
<b>GC Petroleum SW-846 8015B modified</b>						
<b>Hydrocarbons w/Si</b>						
10006	Motor Oil C16-C36 w/Si Gel	n.a.	N.D.	38	110	1
10006	Total TPH w/Si Gel	n.a.	N.D.	38	110	1
TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
The reverse surrogate, capric acid, is present at <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	P130911AA	04/01/2013 14:55	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130911AA	04/01/2013 14:55	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13084B20A	03/25/2013 23:34	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13084B20A	03/25/2013 23:34	Catherine J Schwarz	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130820006A	03/29/2013 10:04	Lisa A Reinert	1
10006	TPH Fuels water w/Si Gel modified	SW-846 8015B modified	1	130840012A	03/28/2013 22:03	Heather E Williams	1

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



**Sample Description:** MW-8-W-130319 NA Water  
 Facility# 90121 BTST  
 3026 Lakeshore-Oakland T0600100328

LLI Sample # WW 6993558  
 LLI Group # 1377445  
 Account # 10991

**Project Name:** 90121

Collected: 03/19/2013 13:45 by BW

Chevron

6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

Submitted: 03/22/2013 16:30

Reported: 04/02/2013 19:54

LAO08

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	130820006A	03/24/2013 01:00	Karen L Beyer	1
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	130840012A	03/25/2013 23:00	Elaine F Stoltzfus	1

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

**Sample Description:** MW-9-W-130319 NA Water  
**Facility#** 90121 BTST  
**3026 Lakeshore-Oakland T0600100328**

**LLI Sample #** WW 6993559  
**LLI Group #** 1377445  
**Account #** 10991

**Project Name:** 90121

Collected: 03/19/2013 15:30 by BW

Chevron

6001 Bollinger Canyon Rd L4310

Submitted: 03/22/2013 16:30

San Ramon CA 94583

Reported: 04/02/2013 19:54

LAO09

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	25	0.5	1	1
10943	Toluene	108-88-3	0.8 J	0.5	1	1
10943	Xylene (Total)	1330-20-7	0.5 J	0.5	1	1
<b>GC Volatiles SW-846 8015B</b>						
01728	TPH-GRO N. CA water C6-C12	n.a.	1,800	50	100	1
<b>GC Petroleum SW-846 8015B</b>						
<b>Hydrocarbons w/Si</b>						
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	240	50	100	1
The reverse surrogate, capric acid, is present at <1%.						
<b>GC Petroleum SW-846 8015B modified</b>						
<b>Hydrocarbons w/Si</b>						
10006	Motor Oil C16-C36 w/Si Gel	n.a.	N.D.	38	110	1
10006	Total TPH w/Si Gel	n.a.	N.D.	38	110	1
TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
The reverse surrogate, capric acid, is present at <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	P130911AA	04/01/2013 15:23	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130911AA	04/01/2013 15:23	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13084B20A	03/25/2013 23:56	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13084B20A	03/25/2013 23:56	Catherine J Schwarz	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130820006A	03/29/2013 10:27	Lisa A Reinert	1
10006	TPH Fuels water w/Si Gel modified	SW-846 8015B modified	1	130840012A	03/28/2013 22:24	Heather E Williams	1

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

**Sample Description:** MW-9-W-130319 NA Water  
 Facility# 90121 BTST  
 3026 Lakeshore-Oakland T0600100328

LLI Sample # WW 6993559  
 LLI Group # 1377445  
 Account # 10991

**Project Name:** 90121

Collected: 03/19/2013 15:30 by BW

Chevron

6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

Submitted: 03/22/2013 16:30

Reported: 04/02/2013 19:54

LAO09

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	130820006A	03/24/2013 01:00	Karen L Beyer	1
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	130840012A	03/25/2013 23:00	Elaine F Stoltzfus	1

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

**Sample Description:** Sump Sample-W-130319 NA Water  
**Facility#** 90121 BTST  
**3026 Lakeshore-Oakland T0600100328**

**LLI Sample #** WW 6993560  
**LLI Group #** 1377445  
**Account #** 10991

**Project Name:** 90121

Collected: 03/19/2013 15:00 by BW

Chevron

6001 Bollinger Canyon Rd L4310

Submitted: 03/22/2013 16:30

San Ramon CA 94583

Reported: 04/02/2013 19:54

LAOSS

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	6	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.	120	50	100	1
<b>GC Petroleum SW-846 8015B</b>						
<b>Hydrocarbons w/Si</b>						
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	100	1
The reverse surrogate, capric acid, is present at <1%.						
<b>GC Petroleum SW-846 8015B modified</b>						
<b>Hydrocarbons w/Si</b>						
10006	Motor Oil C16-C36 w/Si Gel	n.a.	N.D.	38	110	1
10006	Total TPH w/Si Gel	n.a.	N.D.	38	110	1
TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
The reverse surrogate, capric acid, is present at <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	P130911AA	04/01/2013 15:50	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130911AA	04/01/2013 15:50	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13084B20A	03/26/2013 00:18	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13084B20A	03/26/2013 00:18	Catherine J Schwarz	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130820006A	03/29/2013 10:50	Lisa A Reinert	1
10006	TPH Fuels water w/Si Gel modified	SW-846 8015B modified	1	130840012A	03/28/2013 22:45	Heather E Williams	1

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

**Sample Description:** Sump Sample-W-130319 NA Water  
 Facility# 90121 BTST  
 3026 Lakeshore-Oakland T0600100328

LLI Sample # WW 6993560  
 LLI Group # 1377445  
 Account # 10991

**Project Name:** 90121

Collected: 03/19/2013 15:00 by BW

Chevron

6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

Submitted: 03/22/2013 16:30

Reported: 04/02/2013 19:54

LAOSS

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	130820006A	03/24/2013 01:00	Karen L Beyer	1
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	130840012A	03/25/2013 23:00	Elaine F Stoltzfus	1

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

**Sample Description:** QA-T-130319 NA Water  
**Facility#** 90121 BTST  
**3026 Lakeshore-Oakland T0600100328**

**LLI Sample #** WW 6993561  
**LLI Group #** 1377445  
**Account #** 10991

**Project Name:** 90121

Collected: 03/19/2013 11:15

Chevron

Submitted: 03/22/2013 16:30

6001 Bollinger Canyon Rd L4310

Reported: 04/02/2013 19:54

San Ramon CA 94583

LAOQA

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>			ug/l	ug/l	ug/l	
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 Volatiles SW-846 8015B</b>			ug/l	ug/l	ug/l	
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	P130911AA	04/01/2013 12:36	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130911AA	04/01/2013 12:36	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13084B20A	03/25/2013 19:54	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13084B20A	03/25/2013 19:54	Catherine J Schwarz	1

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

## Quality Control Summary

Client Name: Chevron  
Reported: 04/02/13 at 07:54 PM

Group Number: 1377445

Matrix QC may not be reported if insufficient sample or 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.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

### 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: P130881AA	Sample number(s): 6993552								
Benzene	N.D.	0.5	1	ug/l	101		77-121		
Ethanol	N.D.	50.	250	ug/l	93		54-149		
Ethylbenzene	N.D.	0.5	1	ug/l	93		79-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	104		68-121		
Toluene	N.D.	0.5	1	ug/l	95		79-120		
Xylene (Total)	N.D.	0.5	1	ug/l	93		77-120		
Batch number: P130911AA	Sample number(s): 6993555-6993561								
Benzene	N.D.	0.5	1	ug/l	96	95	77-121	2	30
Ethanol	N.D.	50.	250	ug/l	106	104	54-149	2	30
Ethylbenzene	N.D.	0.5	1	ug/l	91	92	79-120	1	30
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	85	86	68-121	1	30
Toluene	N.D.	0.5	1	ug/l	94	93	79-120	1	30
Xylene (Total)	N.D.	0.5	1	ug/l	91	90	77-120	1	30
Batch number: P130912AA	Sample number(s): 6993553-6993554								
Benzene	N.D.	0.5	1	ug/l	103	103	77-121	0	30
Ethanol	N.D.	50.	250	ug/l	89	88	54-149	1	30
Ethylbenzene	N.D.	0.5	1	ug/l	93	91	79-120	2	30
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	108	106	68-121	2	30
Toluene	N.D.	0.5	1	ug/l	93	91	79-120	2	30
Xylene (Total)	N.D.	0.5	1	ug/l	93	91	77-120	2	30
Batch number: 13084B20A	Sample number(s): 6993552-6993553, 6993556-6993561								
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	93		75-135		
Batch number: 13085C20A	Sample number(s): 6993554-6993555								
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	93	92	75-135	1	30
Batch number: 130820006A	Sample number(s): 6993552, 6993556-6993560								
TPH-DRO CA C10-C28 w/ Si Gel	N.D.	32.	100	ug/l	82	81	43-120	1	20
Batch number: 130840012A	Sample number(s): 6993552-6993560								
Motor Oil C16-C36 w/Si Gel	N.D.	40.	120	ug/l					
Total TPH w/Si Gel	N.D.	40.	120	ug/l	62	59	52-120	5	20
Batch number: 130840028A	Sample number(s): 6993553-6993555								
TPH-DRO CA C10-C28 w/ Si Gel	N.D.	32.	100	ug/l	74	73	43-120	1	20

### Sample Matrix Quality Control

\*- 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 Group Number: 1377445

Reported: 04/02/13 at 07:54 PM

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</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Batch number: P130881AA	Sample number(s): 6993552 UNSPK: 6993552							
Benzene	111	111	72-134	0	30			
Ethanol	92	88	53-146	5	30			
Ethylbenzene	103	102	71-134	0	30			
Methyl Tertiary Butyl Ether	113	111	72-126	1	30			
Toluene	104	103	80-125	1	30			
Xylene (Total)	102	101	79-125	1	30			
Batch number: 13084B20A	Sample number(s): 6993552-6993553,6993556-6993561 UNSPK: P992480							
TPH-GRO N. CA water C6-C12	91	99	75-135	9	30			

## 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: P130881AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6993552	103	97	97	99
Blank	101	97	97	98
LCS	101	103	96	100
MS	101	100	96	101
MSD	101	105	96	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water

Batch number: P130911AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6993555	101	101	97	95
6993556	102	103	99	94
6993557	101	101	99	94
6993558	102	101	99	95
6993559	101	101	98	98
6993560	101	100	99	94
6993561	100	102	98	91
Blank	101	100	98	93
LCS	101	102	98	96
LCSD	101	106	99	95
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water

Batch number: P130912AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
--	----------------------	-----------------------	------------	----------------------

\*- 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: 04/02/13 at 07:54 PM

Group Number: 1377445

### Surrogate Quality Control

6993553	103	99	94	100
6993554	106	99	94	99
Blank	104	100	95	99
LCS	103	105	94	101
LCSD	104	102	94	101

---

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

Analysis Name: TPH-GRO N. CA water C6-C12  
Batch number: 13084B20A  
Trifluorotoluene-F

---

6993552	95
6993553	113
6993556	86
6993557	87
6993558	87
6993559	182*
6993560	89
6993561	86
Blank	83
LCS	109
MS	106
MSD	108

---

Limits: 63-135

Analysis Name: TPH-GRO N. CA water C6-C12  
Batch number: 13085C20A  
Trifluorotoluene-F

---

6993554	80
6993555	86
Blank	84
LCS	97
LCSD	97

---

Limits: 63-135

Analysis Name: TPH-DRO CA C10-C28 w/ Si Gel  
Batch number: 130820006A  
Orthoterphenyl

---

6993552	75
6993556	73
6993557	86
6993558	68
6993559	80
6993560	82
Blank	61
LCS	84
LCSD	77

---

Limits: 46-131

Analysis Name: TPH Fuels water w/Si Gel

\*- 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: 04/02/13 at 07:54 PM

Group Number: 1377445

### Surrogate Quality Control

Batch number: 130840012A

	Chlorobenzene	Orthoterphenyl
6993552	94	81
6993553	107	92
6993554	74	73
6993555	86	86
6993556	88	88
6993557	89	75
6993558	92	86
6993559	91	75
6993560	76	80
Blank	57	71
LCS	74	76
LCSD	66	71
Limits: 29-107                      43-114		

Analysis Name: TPH-DRO CA C10-C28 w/ Si Gel

Batch number: 130840028A

Orthoterphenyl

6993553	75
6993554	75
6993555	79
Blank	75
LCS	84
LCSD	84
Limits: 46-131	

\*- 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.

032113-01  
**Chevron Environmental Management Company ■ 6111 Bollinger Canyon Rd. ■ San Ramon, CA 94583**

**COC 1 of 1**

**CHAIN OF CUSTODY FORM**

<p>Chevron Site Number: <u>90121</u></p> <p>Chevron Site Global ID: <u>TO600100328</u></p> <p>Chevron Site Address: <u>3026 Lakeshore Ave., Oakland, CA</u></p> <p>Chevron PM: <u>CATALINA DEVINE</u></p> <p>Chevron PM Phone No.: <u>(925)790-3949</u></p> <p><input checked="" type="checkbox"/> Retail and Terminal Business Unit (RTBU) Job  <input checked="" type="checkbox"/> Construction/Retail Job</p>	<p>Chevron Consultant: <u>CRA</u></p> <p>Address: <u>5900 Hollis St. Suite A Emeryville.</u></p> <p>CA Consultant Contact: <u>Nathan Lee</u></p> <p>Consultant Phone No. <u>510-420-3333</u></p> <p>Consultant Project No. <u>130319-BW2</u></p> <p>Sampling Company: <u>Blaine Tech Services</u></p> <p>Sampled By (Print): <u>Brian Weeks</u></p> <p>Sampler Signature: <u>[Signature]</u></p>	<p align="center"><b>ANALYSES REQUIRED</b></p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2">Preservation Codes</td> </tr> <tr> <td>H = HCL T = Thiosulfate</td> <td></td> </tr> <tr> <td>N = HNO<sub>3</sub> B = NaOH</td> <td></td> </tr> <tr> <td>S = H<sub>2</sub>SO<sub>4</sub> O = Other</td> <td></td> </tr> <tr> <td colspan="2"> <p>acc# 137745                  10991                  Cp# 137745                  Sample # 6993552-61</p> </td> </tr> <tr> <td colspan="2"> <p align="center"><b>Special Instructions</b></p> <p>Must meet lowest detection limits possible for 8260 Compounds, Silica gel cleanup required for TPH-D and TPHm</p> </td> </tr> </table>	Preservation Codes		H = HCL T = Thiosulfate		N = HNO <sub>3</sub> B = NaOH		S = H <sub>2</sub> SO <sub>4</sub> O = Other		<p>acc# 137745                  10991                  Cp# 137745                  Sample # 6993552-61</p>		<p align="center"><b>Special Instructions</b></p> <p>Must meet lowest detection limits possible for 8260 Compounds, Silica gel cleanup required for TPH-D and TPHm</p>	
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<p><b>Charge Code: <u>NWRTB-0090121-0-OML</u></b>                  NWRTB 00SITE NUMBER-0-WBS  <b>(WBS ELEMENTS:</b>                  SITE ASSESSMENT: <u>A1L</u> REMEDIATION IMPLEMENTATION: <u>R5L</u>                  SITE MONITORING: <u>OML</u> OPERATION MAINTENANCE &amp; MONITORING: <u>M1L</u></p> <p align="center"><i>THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.</i></p>	<p><b>Lancaster Laboratories</b></p> <p><input checked="" type="checkbox"/> Lancaster, PA                  Lab Contact: Jill Parker</p> <p>2425 New Holland Pike,                  Lancaster, PA 17601                  Phone No:                  (717)656-2300</p>	<p>Other Lab</p> <p>Temp. Blank Check Time    Temp.</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>1200</td><td>20C</td></tr> <tr><td>1500</td><td>20C</td></tr> <tr><td>0800</td><td>20C</td></tr> <tr><td>1000</td><td>20C</td></tr> </table>	1200	20C	1500	20C	0800	20C	1000	20C	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input type="checkbox"/> EPA 8260B/GC/MS</td> <td><input checked="" type="checkbox"/> BIEX</td> <td><input checked="" type="checkbox"/> MIBEX</td> <td><input type="checkbox"/> OXYGENATES</td> <td><input type="checkbox"/> HVOC</td> </tr> <tr> <td><input type="checkbox"/> TPH-G</td> <td><input checked="" type="checkbox"/> GRO</td> <td><input checked="" type="checkbox"/> DRO</td> <td><input type="checkbox"/> ORO</td> <td><input type="checkbox"/> HC-SCREEN</td> </tr> <tr> <td><input type="checkbox"/> EPA 8015B</td> <td><input type="checkbox"/> MTBE</td> <td><input type="checkbox"/> EPA 6010 Ca, Fe, K, Mg, Mn, Na</td> <td><input type="checkbox"/> EPA 6010/7000 TITLE 22 METALS</td> <td><input type="checkbox"/> TLC</td> </tr> <tr> <td><input type="checkbox"/> EPA 8021B BTEX</td> <td><input type="checkbox"/> EPA 310.1 ALKALINITY</td> <td><input type="checkbox"/> EPA 418.1 TRPH</td> <td><input type="checkbox"/> EPA 413.1 OIL &amp; GREASE</td> <td><input type="checkbox"/> EPA 8260</td> </tr> <tr> <td><input type="checkbox"/> EPA 150.1 PH</td> <td><input type="checkbox"/> SM2510B SPECIFIC CONDUCTIVITY</td> <td><input type="checkbox"/> EPA 8015</td> <td><input type="checkbox"/> ETHANOL</td> <td><input type="checkbox"/> EPA 8015</td> </tr> </table>	<input type="checkbox"/> EPA 8260B/GC/MS	<input checked="" type="checkbox"/> BIEX	<input checked="" type="checkbox"/> MIBEX	<input type="checkbox"/> OXYGENATES	<input type="checkbox"/> HVOC	<input type="checkbox"/> TPH-G	<input checked="" type="checkbox"/> GRO	<input checked="" type="checkbox"/> DRO	<input type="checkbox"/> ORO	<input type="checkbox"/> HC-SCREEN	<input type="checkbox"/> EPA 8015B	<input type="checkbox"/> MTBE	<input type="checkbox"/> EPA 6010 Ca, Fe, K, Mg, Mn, Na	<input type="checkbox"/> EPA 6010/7000 TITLE 22 METALS	<input type="checkbox"/> TLC	<input type="checkbox"/> EPA 8021B BTEX	<input type="checkbox"/> EPA 310.1 ALKALINITY	<input type="checkbox"/> EPA 418.1 TRPH	<input type="checkbox"/> EPA 413.1 OIL & GREASE	<input type="checkbox"/> EPA 8260	<input type="checkbox"/> EPA 150.1 PH	<input type="checkbox"/> SM2510B SPECIFIC CONDUCTIVITY	<input type="checkbox"/> EPA 8015	<input type="checkbox"/> ETHANOL	<input type="checkbox"/> EPA 8015
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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	EPA 8015B	EPA 8021B BTEX	EPA 6010 Ca, Fe, K, Mg, Mn, Na	EPA 6010/7000 TITLE 22 METALS	TLC	EPA 310.1 ALKALINITY	SM2510B SPECIFIC CONDUCTIVITY	EPA 418.1 TRPH	EPA 8260	EPA 8015	
MW-1	W		130319	1440	10	mix	X	X						X			X		
MW-2A	↓		130320	0900	10	↓	X	X						X			X		
MW-3A		130320	0840	10	X		X							X				X	
MW-4A		130320	0920	10	X		X							X				X	
MW-5		130319	1320	10	X		X							X				X	
MW-6		130319	1410	10	X		X							X				X	
MW-8		1345	10	X	X									X				X	
MW-9		1330	10	X	X									X				X	
Sump Sample		↓		1500	10				X	X				X				X	
QA		TB		1115	2		UOA		X	X									

Relinquished By: <u>[Signature]</u>	Company: <u>BTS</u>	Date/Time: <u>3/20/13 @ 1705</u>	Relinquished To: <u>[Signature]</u>	Company: <u>BTS</u>	Date/Time: <u>3/20/13 @ 1705</u>	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: <u>[Signature]</u>	Company: <u>LLI</u>	Date/Time: <u>3/21/13 1005</u>	Relinquished To: <u>[Signature]</u>	Company: <u>LLI</u>	Date/Time: <u>3/21/13 1005</u>	Sample Integrity: (Check by lab on arrival)
Relinquished By: <u>[Signature]</u>	Company: <u>LLI</u>	Date/Time: <u>3/21/13 1745</u>	Relinquished To: <u>[Signature]</u>	Company: <u>SWA</u>	Date/Time: _____	Intact: <input checked="" type="checkbox"/> On Ice: <input checked="" type="checkbox"/> Temp: <u>1-3-23.0</u> COC # _____

[Signature]    LLI    3/21/13    1030

# 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>µg</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>µL</b>	microliter(s)
		<b>pg/L</b>	picogram/liter
<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.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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