



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

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

**RECEIVED**

By Alameda County Environmental Health 10:13 am, Jun 07, 2016

I have reviewed the attached report entitled *First Semi-Annual 2016 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 GHD Services Inc., 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 black ink, appearing to read "Mark E. Horne".

Mark Horne  
Project Manager

Attachment: *First Semi-Annual 2016 Groundwater Monitoring and Sampling Report*



May 31, 2016

Reference No. 311973

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

**Re: First Semi-Annual 2016 Groundwater Monitoring and Sampling Report  
Former Chevron Service Station 90121  
3026 Lakeshore Avenue  
Oakland, California  
Fuel Leak Case RO0000284**

Dear Mr. Detterman:

GHD Services Inc. (GHD) is submitting this *First Semi-Annual 2016 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 (Blaine Tech) of San Jose, California. Blaine Tech's *First Quarter 2016 Monitoring* 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 Laboratory Environmental, LLCs of Lancaster, Pennsylvania *Analytical Results* report is included as Attachment B.

## 1. Results of First Semi-Annual 2016 Event

On March 18, 2016, 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 Variable onsite; Southwest offsite
- Hydraulic Gradient Variable
- Approximate Depth to Water 2 to 10 feet below grade

Results of the current sampling event are presented below in Table 1.1:

**Table 1.1 First Quarter 2016 Petroleum Hydrocarbon Concentrations**

Well ID	TPHd (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)
MW-1	62J	140	<1	<1	<1	<1	1
MW-2A	<110	290	<1	<1	<1	<1	75
MW-3A	<110	<100	<1	<1	<1	<1	<1
MW-4A	<110	72J	<1	<1	<1	<1	4
MW-5	<110	<100	<1	<1	<1	<1	<1
MW-6	<110	<1,000	<5	<5	<5	<5	<5
MW-8	<110	<100	<1	<1	<1	<1	<1
MW-9	<110	<100	<1	<1	<1	<1	2
Sump	Not Sampled						
Notes:							
µg/L micrograms per liter							
J Estimated value the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ)							
TPHg Total petroleum hydrocarbons as gasoline							
MTBE Methyl tertiary butyl ether							
<x Indicates constituent was not detected at or above the laboratory reporting limit							

## 2. 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.

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

## 3. Anticipated Future Activities

### **Groundwater Monitoring**

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

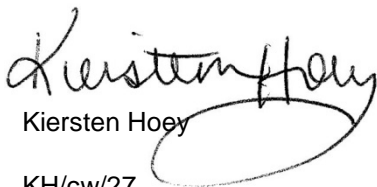
**Additional Assessment**

GHD is currently coordinating the site assessment approved by Alameda County Environmental Health (ACEH) in their letter dated March 23, 2015 and outlined in CRA's *Data Gap Investigation Work Plan and Focused Site Conceptual Model* dated February 6, 2015.

Please contact Kiersten Hoey at (510) 510-3347 if you have any questions or require additional information.

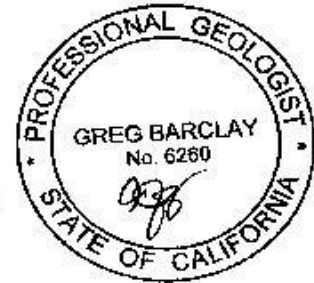
Sincerely,

GHD

  
Kiersten Hoey

KH/cw/27  
Encl.

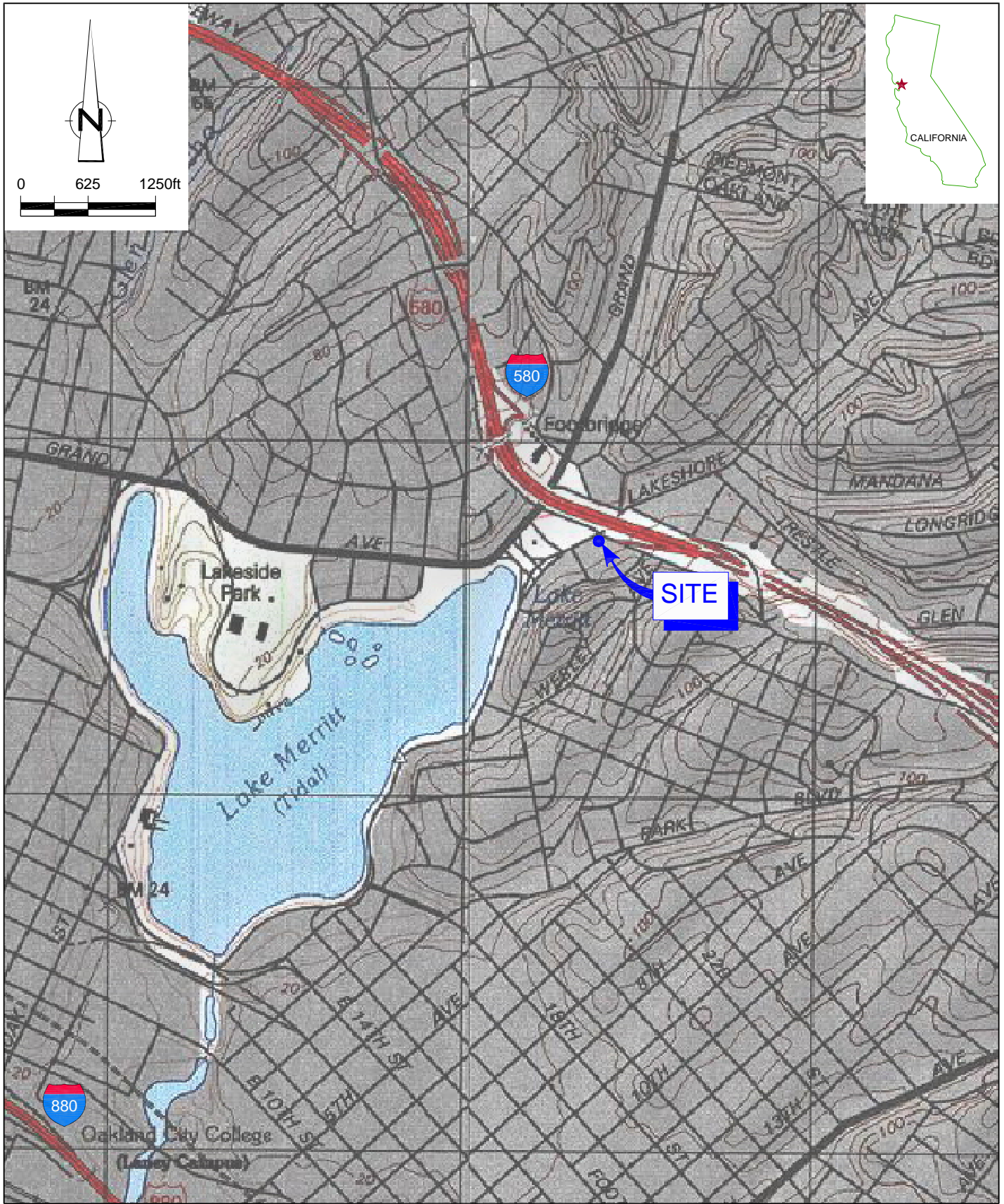
  
Greg Barclay, PG 6260



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

# Figures



SOURCE: TOPO! MAPS

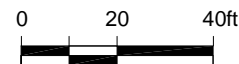
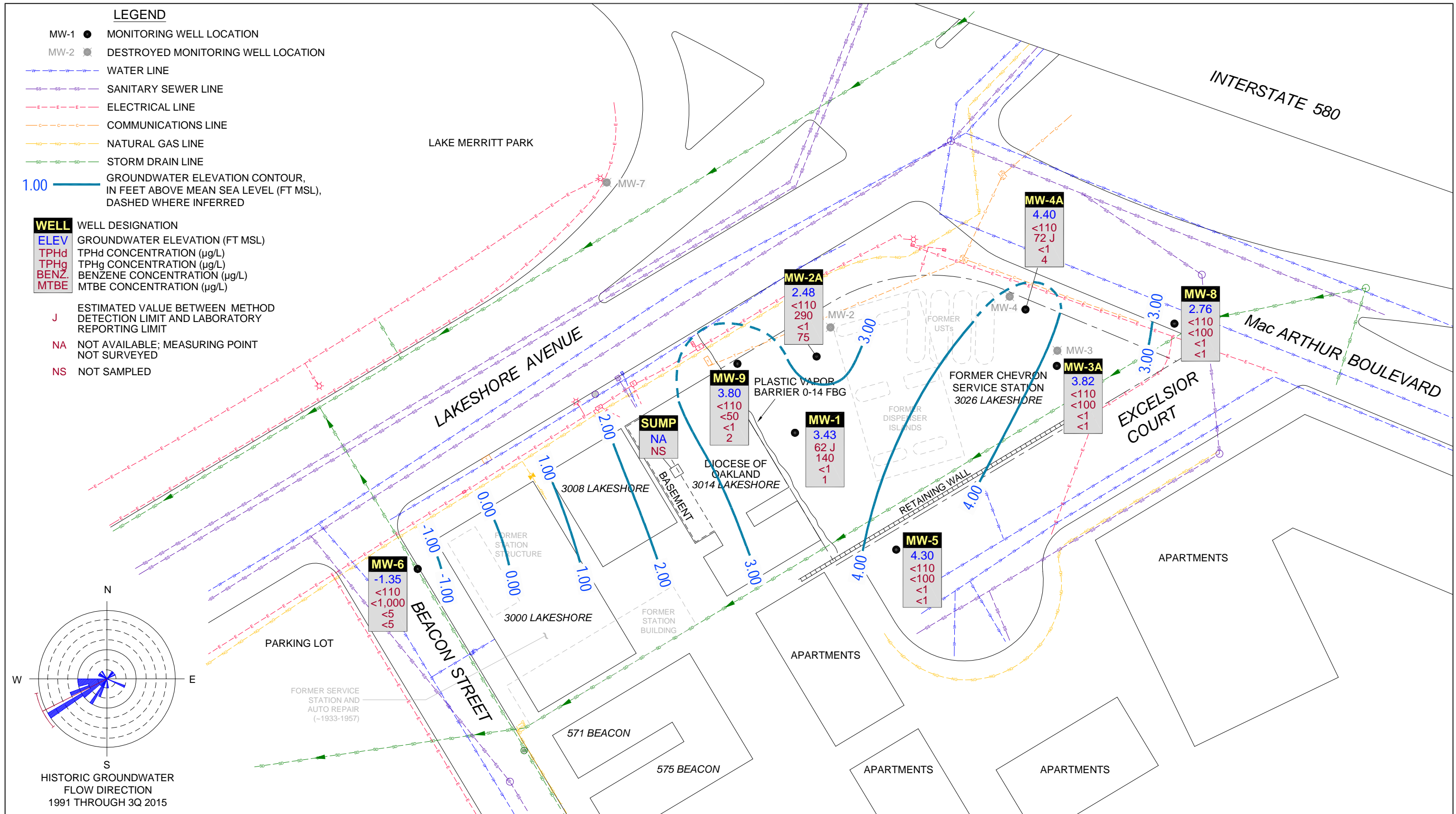


FORMER CHEVRON SERVICE STATION 90121  
 3026 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA

311973-95  
 Apr 5, 2016

VICINITY MAP

FIGURE 1



FORMER CHEVRON SERVICE STATION 90121  
 3026 LAKESHORE AVENUE  
 OAKLAND, CALIFORNIA  
 GROUNDWATER ELEVATION CONTOUR AND HYDROCARBON  
 CONCENTRATION MAP - MARCH 18, 2016

311973-95  
 May 18, 2016

FIGURE 2

# Table



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				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-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	LNAPLT	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	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>15</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  
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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	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	-	-	-	-	-	-	
MW-1	03/19/2013	6.89	5.37	1.52	0.00	0.00	-	<38	-	69 J	270	<0.5	<0.5	<0.5	<0.5	24	<50	-	-	-	-	-	-	
MW-1	09/25/2013	6.89	6.48	0.41	0.00	0.00	-	-	2,000	-	210	<0.5	<0.5	<0.5	<0.5	13	<50	-	-	-	-	-	-	
MW-1	03/28/2014	6.89	4.41	2.48	0.00	0.00	-	-	2,000	-	140	2	<0.5	<0.5	<0.5	12	<50	-	-	-	-	-	-	
MW-1	09/25/2014	6.89	6.42	0.47	0.00	0.00	-	-	-	<50	160	<0.5	<0.5	<0.5	<0.5	15	<50	-	-	-	-	-	-	
MW-1	03/05/2015	6.89	5.17	1.72	0.00	0.00	-	-	1,900	-	280	3	<0.5	0.6 J	<0.5	16	<50	-	-	-	-	-	-	
MW-1	09/25/2015	6.89	6.56	0.33	0.00	0.00	-	-	1,800	-	180	<0.5	<0.5	<0.5	<0.5	13	<50	-	-	-	-	-	-	
<b>MW-1</b>	<b>03/18/2016</b>	<b>6.89</b>	<b>3.46</b>	<b>3.43</b>	<b>0.00</b>	<b>0.00</b>	-	-	-	<b>62 J</b>	<b>140</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>1</b>	<b>&lt;250</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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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	
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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>	-	-	-	-	-	-	-

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				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-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	-	-	-	-	-	-	-
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	<50	-	-	-	-	-	-
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	-	-	-	-	-	-

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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				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-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	-	-	-	-	-	-	
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	-	-	-	-	-	-	
MW-2A	03/20/2013	6.53	5.84	0.69	0.00	0.00	-	<38	-	<50	310	<0.5	<0.5	<0.5	<0.5	130	<50	-	-	-	-	-	-	
MW-2A	09/25/2013	6.53	6.22	0.31	0.00	0.00	-	-	2,700	-	310	<0.5	<0.5	<0.5	0.6 J	48	<50	-	-	-	-	-	-	
MW-2A	03/28/2014	6.53	5.08	1.45	0.00	0.00	-	-	2,200	-	340	<0.5	<0.5	<0.5	0.6 J	99	<50	-	-	-	-	-	-	
MW-2A	09/25/2014	6.53	6.02	0.51	0.00	0.00	-	-	-	54 J	350	1	<0.5	<0.5	2	39	<50	-	-	-	-	-	-	
MW-2A	03/05/2015	6.53	5.44	1.09	0.00	0.00	-	-	2,500	-	250	<0.5	<0.5	<0.5	<0.5	86	<50	-	-	-	-	-	-	
MW-2A	09/25/2015	6.53	6.13	0.40	0.00	0.00	-	-	2,700	-	420	<0.5	<0.5	<0.5	2	32	<50	-	-	-	-	-	-	
<b>MW-2A</b>	<b>03/18/2016</b>	<b>6.53</b>	<b>4.05</b>	<b>2.48</b>	<b>0.00</b>	<b>0.00</b>	-	-	-	<b>&lt;110</b>	<b>290</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>75</b>	<b>&lt;250</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	-	-	-	-	-	-	-	-	-

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	µg/L
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	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-

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				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-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	-	-	-	-	-	-
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 J	-	<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	-	<500	<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	-	-	-	-	-	-



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
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	-	-	-	-	-	-
MW-3A	03/20/2013	8.70	7.72	0.98	0.00	0.00	-	<38	-	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-
MW-3A	09/25/2013	8.70	8.54	0.16	0.00	0.00	-	-	400	-	<50	<0.5	<0.5	<0.5	<0.5	0.8 J	<50	-	-	-	-	-	-
MW-3A	03/28/2014	8.70	6.45	2.25	0.00	0.00	-	-	530	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-
MW-3A	09/25/2014	8.70	8.72	-0.02	0.00	0.00	-	-	-	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-
MW-3A	03/05/2015	8.70	7.29	1.41	0.00	0.00	-	-	1,000	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-
MW-3A	09/25/2015	8.70	8.66	0.04	0.00	0.00	-	-	540	-	72 J	<0.5	<0.5	<0.5	<0.5	1	<50	-	-	-	-	-	-
<b>MW-3A</b>	<b>03/18/2016</b>	<b>8.70</b>	<b>4.88</b>	<b>3.82</b>	<b>0.00</b>	<b>0.00</b>	-	-	-	<b>&lt;110</b>	<b>&lt;100</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;250</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	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-

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				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-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	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-

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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				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-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	-	-	-	-	-	-
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	-	-	-	-	-	-
MW-4A	03/20/2013	7.69	5.73	1.96	0.00	0.00	-	<38	-	78 J	410	2	0.8 J	0.7 J	0.7 J	120	<50	-	-	-	-	-	-
MW-4A	09/25/2013	7.69	6.62	1.07	0.00	0.00	-	-	4,500	-	1,900	0.7 J	<0.5	<0.5	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	LNAPLT	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-4A	03/28/2014	7.69	5.07	2.62	0.00	0.00	-	-	5,200	-	770	4	2	2	2	230	<50	-	-	-	-	-	-
MW-4A	09/25/2014	7.69	6.61	1.08	0.00	0.00	-	-	-	420	2,500	2	1	2	4	35	<50	-	-	-	-	-	-
MW-4A	03/05/2015	7.69	5.50	2.19	0.00	0.00	-	-	6,200	-	1,400	3	1	2	2	130	<50	-	-	-	-	-	-
MW-4A	09/25/2015	7.69	6.73	0.96	0.00	0.00	-	-	5,200	-	1,600	<0.5	<0.5	<0.5	0.6 J	9	<50	-	-	-	-	-	-
<b>MW-4A</b>	<b>03/18/2016</b>	<b>7.69</b>	<b>3.29</b>	<b>4.40</b>	<b>0.00</b>	<b>0.00</b>	-	-	-	<b>&lt;110</b>	<b>72 J</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>4</b>	<b>&lt;250</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	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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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				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-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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-

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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
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	-	-	-	-	-	-
MW-5	03/19/2013	14.14	10.97	3.17	0.00	0.00	-	<38	-	<50	<50	<0.5	<0.5	<0.5	<0.5	0.9 J	<50	-	-	-	-	-	-
MW-5	09/25/2013	14.14	12.46	1.68	0.00	0.00	-	-	<50	-	<50	<0.5	<0.5	<0.5	<0.5	0.7 J	<50	-	-	-	-	-	-
MW-5	03/28/2014	14.14	10.32	3.82	0.00	0.00	-	-	<50	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-
MW-5	09/25/2014	14.14	12.50	1.64	0.00	0.00	-	-	-	<50	<50	<0.5	<0.5	<0.5	<0.5	0.6 J	<50	-	-	-	-	-	-
MW-5	03/05/2015	14.14	11.41	2.73	0.00	0.00	-	-	530	-	<50	<0.5	<0.5	<0.5	<0.5	0.5 J	<50	-	-	-	-	-	-
MW-5	09/25/2015	14.14	12.49	1.65	0.00	0.00	-	-	<50	-	<50	<0.5	<0.5	<0.5	<0.5	0.6 J	<50	-	-	-	-	-	-
<b>MW-5</b>	<b>03/18/2016</b>	<b>14.14</b>	<b>9.84</b>	<b>4.30</b>	<b>0.00</b>	<b>0.00</b>	-	-	-	<b>&lt;110</b>	<b>&lt;100</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;250</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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-

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
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	<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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-

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	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-



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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
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	-	-	-	-	-	-
MW-6	03/19/2013	4.46	7.41	-2.95	0.00	0.00	-	<38	-	<50	62 J	<3	<3	<3	<3	<3	<250	-	-	-	-	-	-
MW-6	09/25/2013	4.46	5.25	-0.79	0.00	0.00	-	-	1,600	-	70 J	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-
MW-6	03/28/2014	4.46	7.00	-2.54	0.00	0.00	-	-	1,500	-	69 J	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-
MW-6	09/25/2014	4.46	5.09	-0.63	0.00	0.00	-	-	-	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-
MW-6	03/05/2015	4.46	6.43	-1.97	0.00	0.00	-	-	1,300	-	70 J	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-
MW-6	09/25/2015	4.46	4.99	-0.53	0.00	0.00	-	-	1,000	-	<500	<5	<5	<5	<5	<5	<500	-	-	-	-	-	-
<b>MW-6</b>	<b>03/18/2016</b>	<b>4.46</b>	<b>5.81</b>	<b>-1.35</b>	<b>0.00</b>	<b>0.00</b>	-	-	-	<110	<1,000	<5	<5	<5	<5	<5	<1,300	-	-	-	-	-	-
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	-	-	-	-	-	-	-

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
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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	
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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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				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-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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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>6</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	-	-	-	-	-	-

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
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	03/19/2013	8.94	8.01	0.93	0.00	0.00	-	<38	-	<50	<50	<0.5	<0.5	<0.5	<0.5	0.7 J	<50	-	-	-	-	-	-
MW-8	09/25/2013	8.94	8.60	0.34	0.00	0.00	-	-	<50	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-
MW-8	03/28/2014	8.94	7.49	1.45	0.00	0.00	-	-	<50	-	<50	<0.5	<0.5	<0.5	<0.5	0.6 J	<50	-	-	-	-	-	-
MW-8	09/25/2014 <sup>29</sup>	8.94	8.39	0.55	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8	03/05/2015	8.94	7.70	1.24	0.00	0.00	-	-	230	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	-	-	-	-	-	-
MW-8	09/25/2015	8.94	8.65	0.29	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>MW-8</b>	<b>03/18/2016</b>	<b>8.94</b>	<b>6.18</b>	<b>2.76</b>	<b>0.00</b>	<b>0.00</b>	-	-	-	<b>&lt;110</b>	<b>&lt;100</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;250</b>	-	-	-	-	-	-
MW-9	04/19/1999	5.87	3.16	2.71	0.00	0.00	-	-	2,600 <sup>2</sup>	-	3,900 <sup>8</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	-	-	-	-	-	-	-

Table 1

Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 90121  
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Oakland, California

Location	Date	TOC	DTW	GWE	LNAPLT	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-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	-	-	-	-	-	-	
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	-	-	-	-	-	

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
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	-	-	-	-	-	-
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	-	-	-	-	-	-
MW-9	09/25/2013	5.87	5.13	0.74	0.00	0.00	-	-	2,000	-	920	<0.5	<0.5	<0.5	<0.5	62	<50	-	-	-	-	-	-
MW-9	03/28/2014	5.87	4.08	1.79	0.00	0.00	-	-	4,000	-	240	<0.5	<0.5	<0.5	<0.5	23	<50	-	-	-	-	-	-
MW-9	09/25/2014	5.87	3.98	1.89	0.00	0.00	-	-	-	250	<500	<0.5	<0.5	<0.5	<0.5	44	<50	-	-	-	-	-	-
MW-9	03/05/2015	5.87	4.42	1.45	0.00	0.00	-	-	2,600	-	660	<0.5	<0.5	<0.5	<0.5	20	<50	-	-	-	-	-	-
MW-9	09/25/2015	5.87	5.11	0.76	0.00	0.00	-	-	2,800	-	350	<0.5	<0.5	<0.5	<0.5	38	<50	-	-	-	-	-	-
<b>MW-9</b>	<b>03/18/2016</b>	<b>5.87</b>	<b>2.07</b>	<b>3.80</b>	<b>0.00</b>	<b>0.00</b>	-	-	-	<110	<100	<1	<1	<1	<1	<b>2</b>	<b>&lt;250</b>	-	-	-	-	-	-
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	-	-	-	-	-	-
SUMP	09/25/2013 <sup>30</sup>	-	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SUMP	03/28/2014	-	-	-	0.00	0.00	-	-	2,700	-	1,800	0.7 J	2	0.9 J	2	18	<50	-	-	-	-	-	-
SUMP	09/25/2014	-	-	-	0.00	0.00	-	-	-	<50	<250	<0.5	<0.5	<0.5	<0.5	0.7 J	<50	-	-	-	-	-	-
SUMP	03/05/2015 <sup>30</sup>	-	-	-	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	
SUMP	09/25/2014 <sup>30</sup>	-	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>SUMP</b>	<b>03/18/2016<sup>30</sup></b>	-	-	-	<b>0.00</b>	<b>0.00</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-



Table 1

Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 90121  
3026 Lakeshore Avenue  
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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	06/30/2009 <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	-	-	-	-	-	-	-
QA	09/25/2013	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	03/28/2014	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	09/25/2014	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	03/05/2015	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	09/25/2015	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
<b>QA</b>	<b>03/18/2016</b>	-	-	-	-	-	-	-	-	-	<b>&lt;100</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;1</b>	-	-	-	-	-	-	-
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	<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	-	-	-	-	-	-	-

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
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	-	-	-	-	-	-
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

**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				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

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.

- 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

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					
							Micror Oil	Micror 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

- 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
- 30 Unable to collect sample - sump does not work

# Attachment A Monitoring Data Package



March 24, 2016

Chevron Environmental Management Company  
Mark Horne  
6101 Bollinger Canyon Rd.  
San Ramon, CA 94583

First Quarter 2016 Monitoring at  
Former Chevron Service Station 9-0121  
3026 Lakeshore Ave.  
Oakland, CA

Monitoring performed on March 18, 2016

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**Blaine Tech Services, Inc. Groundwater Monitoring Event 160318-KD1**

This submission covers the routine monitoring of groundwater wells conducted on March 8, 2016 at this location. Eight monitoring wells were measured for depth to groundwater (DTW). Eight monitoring wells were sampled. The sump pump at the Oakland Diocese Office building was not functioning and a sample was not able to be collected. 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  
Wellhead Inspection Form  
Bill of Lading  
Calibration Log

cc: GHD  
Attn: Nathan Lee  
2300 Clayton Rd., Suite 920  
Concord, CA 94520

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 noted 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. Specific Conductance
3. Temperature

### **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 specified 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%

10. Sample may be collected once one system has been removed and stability readings have been achieved after the system volume has been removed.
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 # 160318-K01 Date 3/18/16 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	0759	4					3.46	19.08		5
MW-2A	0806	2					4.05	16.54		7
MW-3A	0746	2					4.88	17.92		2
MW-4A	0809	2					3.29	18.31		8
MW-5	0740	2					9.84	32.65		1
MW-6	0754	2					5.81	18.11		4
MW-8	0750	2					6.18	24.92		3
MW-9	0803	2					2.07	14.24	↓	6

## CHEVRON WELL MONITORING DATA SHEET

Project #: 160318-KN1	Station #: 9-0721
Sampler: KN	Date: 3/18/10
Weather: Overcast	Ambient Air Temperature: 60°F
Well I.D.: MW-1	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 19.08	Depth to Water: 3.46
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]: 6.58	

Purge Method: Electric Submersible      Waterra      Peristaltic      Extraction Pump      Other \_\_\_\_\_

Sampling Method: Disposable Bailer      Extraction Port      Dedicated Tubing      Other: \_\_\_\_\_

10.15 (Gals.) X 3 = 30.46 Gals.  
 1 Case Volume      Specified Volumes      Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or <u>uS</u> )	Turbidity (NTUs)	Gals. Removed	Observations
1021	61.1	7.58	1268	33	10.5	
1023	61.3	6.96	912	4	21.0	
1025	61.3	6.90	857	2	31.5	

Did well dewater?      Yes      No      Gallons actually evacuated: 31.5

Sampling Date: 3/18/10      Sampling Time: 1030      Depth to Water: 3.52

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

Analyzed for: TPH-G    BTEX    MTBE    OXYS    Other: See 101

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 #: 160318-421	Station #: 9-0121
Sampler: 140	Date: 3/18/16
Weather: Overcast	Ambient Air Temperature: 60°F
Well I.D.: MW-2A	Well Diameter: (2) 3 4 6 8
Total Well Depth: 16.54	Depth to Water: 4.05
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]: 6.55	

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

2.00 (Gals.) X 3 = 6.00 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
1051	62.4	6.45	5005	246	2.0	
1054	64.8	6.71	5371	>1000	4.0	
1058	65.1	6.76	5481	>1000	6.0	

Did well dewater? Yes  No  Gallons actually evacuated: 6.0

Sampling Date: 3/18/16 Sampling Time: 1100 Depth to Water: 6.42

Sample I.D.: MW-2A 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 #: 160318-K01	Station #: 7-0121
Sampler: K7	Date: 3/18/16
Weather: Overcast	Ambient Air Temperature: 60°F
Well I.D.: MW-3A	Well Diameter: (2) 3 4 6 8
Total Well Depth: 17.92	Depth to Water: 4.88
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]: 7.49	

Purge Method:  Bailer  Waterra  Peristaltic  Extraction Pump  Other: tubing w/ check valve

Sampling Method:  Bailer  Disposable Bailer  Extraction Port  Dedicated Tubing  Other: new tubing

Disposable Bailer  Positive Air Displacement  Electric Submersible

2.10 (Gals.) X 3 Specified Volumes = 6.26 Gals. Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
1214	62.8	7.42	1124	50	2.25	
1224	65.7	7.04	1235	32	4.50	
1237	65.9	7.07	1262	34	6.75	

Did well dewater? Yes  No  Gallons actually evacuated: 6.75

Sampling Date: 3/18/16 Sampling Time: 1240 Depth to Water: 7.13

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 #: 160318-K01	Station #: 9-0121
Sampler: <i>1/8"</i>	Date: 3/18/16
Weather: <i>Overcast</i>	Ambient Air Temperature: 60° F
Well I.D.: <i>MW-4A</i>	Well Diameter: <u>2</u> 3 4 6 8 _____
Total Well Depth: 18.31	Depth to Water: 3.29
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]: 6.29	

Purge Method:  Bailer  Disposable Bailer  Positive Air Displacement  Electric Submersible

Waterra  Peristaltic  Extraction Pump  Other \_\_\_\_\_

Sampling Method:  Bailor  Disposable Bailor  Extraction Port  Dedicated Tubing  Other: \_\_\_\_\_

2.40	(Gals.) X	3	=	7.21	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
1114	63.7	6.98	1010	21	2.5	
1117	67.0	6.84	1471	34	5.0	
1121	67.0	6.80	1517	33	7.5	
	*	washed	briefly	for 80 B		

Did well dewater? Yes  No  Gallons actually evacuated: 7.5

Sampling Date: 3/18/16 Sampling Time: 1130 Depth to Water: 6.20

Sample I.D.: *MW-4A* 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 #: 160318-401	Station #: 9-0121
Sampler: <u>W</u>	Date: 3/18/16
Weather: <u>overcast</u>	Ambient Air Temperature: 54
Well I.D.: <u>MW-5</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: 32.65	Depth to Water: 9.84
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]: 14.40	

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: \_\_\_\_\_

3.65 (Gals.) X	3	= 10.95 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u> )	Turbidity (NTUs)	Gals. Removed	Observations
0825	63.1	6.39	1299	38	3.75	
0830	64.8	6.28	1701	53	7.5	
0835	65.2	6.26	1681	52	11.25	

Did well dewater? Yes  No  Gallons actually evacuated: 11.25

Sampling Date: 3/18/16 Sampling Time: 0840 Depth to Water: 12.88

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

Analyzed for: TPH-G BTEX MTBE OXYS Other: CO<sub>2</sub> CO

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 #: 160318-K01	Station #: 9-0121
Sampler: K0	Date: 3/18/16
Weather: Overcast	Ambient Air Temperature: 55°F
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 _____
Total Well Depth: 18.11	Depth to Water: 5.81
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]: 8.27	

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: \_\_\_\_\_

1.97 (Gals.) X	3	= 5.90 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
0948	65.8	6.97	12.11	>1000	2.0	
0952	67.4	6.78	13.56	>1000	4.0	
0956	67.8	6.79	14.22	>1000	6.0	

Did well dewater? Yes  No  Gallons actually evacuated: 6.0

Sampling Date: 3/18/16 Sampling Time: 1000 Depth to Water: 8.11

Sample I.D.: MW-6 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 #: 160318-1001	Station #: 9-0121
Sampler: 140	Date: 3/18/16
Weather: fair cast	Ambient Air Temperature: 60°5
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8
Total Well Depth: 24.92	Depth to Water: 6.18
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]: 9.93	

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: \_\_\_\_\_

3.00 (Gals.) X	3	= 9.00 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
0915	63.2	6.94	1810	42	3.0	
0920	66.8	6.81	9121	68	6.0	
0925	66.3	6.76	9686	69	9.0	

Did well dewater? Yes  No  Gallons actually evacuated: 9.0

Sampling Date: 3/18/16 Sampling Time: 0930 Depth to Water: 9.15

Sample I.D.: MW-8 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:

## CHEVRON WELL MONITORING DATA SHEET

Project #: 160318-K01	Station #: 9-0121
Sampler: K0	Date: 3/18/16
Weather: Overcast	Ambient Air Temperature: 60°F
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 _____
Total Well Depth: 14.24	Depth to Water: 2.07
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]: 4.50	

Purge Method:	Sampling Method: Bailer
Bailer	Disposible Bailer
Disposible Bailer	Extraction Port
Positive Air Displacement	Dedicated Tubing
Electric Submersible	Other: _____
Waterra	
Peristaltic	
Extraction Pump	
Other: _____	

1.95	(Gals.) X	2	=	5.84	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
1040	59.5	6.72	547	681	2.0	
1043	60.9	6.44	807	>1000	4.0	
1046	61.4	6.38	832	>1000	6.0	
		* not	at 80	3 neckup		

Did well dewater? Yes  No  Gallons actually evacuated: 6.0

Sampling Date: 3/18/16      Sampling Time: 1135      Depth to Water: 3.71

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

Analyzed for: TPH-G BTEX MTBE OXYS Other:

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 #: 160318-K01	Station #: 9-0121
Sampler: K0	Date: 3/18/16
Weather: Overcast	Ambient Air Temperature: 55° F
Well I.D.: Sump	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:

Bailer  
 Disposable Bailer  
 Positive Air Displacement  
 Electric Submersible  
 Waterra  
 Peristaltic  
 Extraction Pump  
 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 µS)	Turbidity (NTUs)	Gals. Removed	Observations
1000	Met	with	Jim McCan, confirmed that there was no power to building, maintenance used separate pump to drain flooded basement, inspected sump & confirmed non-functional			

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

Sampling Date: \_\_\_\_\_ Sampling Time: \_\_\_\_\_ Depth to Water: \_\_\_\_\_

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

Analyzed for: TPH-G BTEX MTBE OXYS Other: \_\_\_\_\_

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

Chevron Site Number: 90121  
 Chevron Site Global ID: T0600100328  
 Chevron Site Address: 3026 Lakeshore Blvd., Oakland, CA  
 Chevron PM: Mark Horne  
 Chevron PM Phone No.: (925) 790-3964  
 Retail and Terminal Business Unit (RTBU) Job  
 Construction/Retail Job

Chevron Consultant: GHD  
 Address: 2300 Clayton Rd., Suite 920, Concord, CA  
 Consultant Contact: Nathan Lee  
 Consultant Phone No. 925-849-1003  
 Consultant Project No. \_\_\_\_\_  
 Sampling Company: Blaine Tech Services  
 Sampled By (Print): Kevin Alley  
 Sampler Signature: *[Signature]*

ANALYSES REQUIRED

EPA 8260B/GC/MS		EPA 8015B		EPA 8021B		EPA 6010		EPA 6010/7000		EPA 150.1		SM2510B		EPA 418.1		EPA 8260		EPA 8015		Preservation Codes H = HCL T = Thiosulfate N = HNO <sub>3</sub> B = NaOH S = H <sub>2</sub> SO <sub>4</sub> O = Other
TPH LG	BTEX M	MIBEX	OXYGENATES	HVOC	ORO	HC SCREEN	GRO	DRO	HC SCREEN	STLC	ALKALINITY	CONDUCTIVITY	TRPH	OIL & GREASE	ETHANOL	TPH-G	TPH-G	TPH-G	TPH-G	
Special Instructions Must meet 5.0 PPB detection limit by 8260, Silica Gel Clean Up required for TPH-D and TPHmo using 10 gram method.																				
Notes/Comments																				

Charge Code: NWR TB-0098247-0-OML  
 NWR TB 00SITE NUMBER-0- WBS  
 (WBS ELEMENTS:  
 SITE ASSESSMENT: A1L REMEDIATION IMPLEMENTATION: R5L  
 SITE MONITORING: OML OPERATION MAINTENANCE & MONITORING: M1L  
 THIS IS A LEGAL DOCUMENT, ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.

Lancaster Laboratories  
 Lancaster, PA  
 Lab Contact: Arnek Carter  
 2425 New Holland Pike,  
 Lancaster, PA 17601  
 Phone No:  
 (717)856-2300

Other Lab	Temp. Blank	Check
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

SAMPLE ID				Sample Time	# of Containers	Container Type
Field Point Name	Matrix	Top Depth	Date (yymmdd)			
MW-1	W		160318	1030	8	Various
MW-2A				1100		
MW-4A				1130		
MW-5				0840		
MW-6				1000		
MW-8				0930		
MW-9	↓			1135	↓	↓
QA	T			0820	2	HCl VOA
MW-3A	W			1240	8	Various

Relinquished By: <i>[Signature]</i>	Company: BTS	Date/Time: 3-18-16 / 1330	Relinquished To: <i>[Signature]</i>	Company: CLIG	Date/Time: 3/18/16 / 1330
Relinquished By:	Company:	Date/Time:	Relinquished To:	Company:	Date/Time:
Relinquished By:	Company:	Date/Time:	Relinquished To:	Company:	Date/Time:

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





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  
 CHEVRON # \_\_\_\_\_ Mark Horne  
 Chevron Engineer  
 3026 Lakeshore Ave Oakland CA  
 street number street name city state

WELL I.D.	GALS.	WELL I.D.	GALS.
Mw-1	31.5		
Mw-2A	6		
Mw-4A	7.5		
Mw-5	11.25		
Mw-6	6		
Mw-8	9		
Mw-9	6		
Mw-3A	6.75		
added equip.		any other	
rinse water	1	adjustments	
<b>TOTAL GALS. RECOVERED</b>	<u>85</u>	loaded onto	
		BTS vehicle #	<u>62</u>
BTS event #	time	date	
<u>160318-401</u>	<u>1300</u>	<u>3 / 15 / 16</u>	
Transporter signature _____			
*****			
<b>REC'D AT</b>	time	date	
		<u>  /  /  </u>	
Unloaded/received by signature _____			



# Attachment B Laboratory Analytical Report

## ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

Chevron  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Report Date: March 31, 2016

**Project: 90121**

Submittal Date: 03/19/2016

Group Number: 1642385

PO Number: 0015194739

Release Number: HORNE

State of Sample Origin: CA

Client Sample DescriptionMW-1-W-160318 NA Water  
MW-2A-W-160318 NA Water  
MW-4A-W-160318 NA Water  
MW-5-W-160318 NA Water  
MW-6-W-160318 NA Water  
MW-8-W-160318 NA Water  
MW-9-W-160318 NA Water  
QA-T-160318 NA Water  
MW-3A-W-160318 NA WaterLancaster Labs (LL) #8294208  
8294209  
8294210  
8294211  
8294212  
8294213  
8294214  
8294215  
8294216

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

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Electronic Copy To CRA  
Electronic Copy To Chevron  
Electronic Copy To Blaine Tech Services, Inc.  
Electronic Copy To ChevronAttn: Nathan Lee  
Attn: Anna Avina  
Attn: Dustin Becker  
Attn: Report Contact

Respectfully Submitted,



Amek Carter  
Specialist

(717) 556-7252

Sample Description: MW-1-W-160318 NA Water  
Facility# 90121 BTST  
3026 Lakeshore-Oakland T0600100328

LL Sample # WW 8294208  
LL Group # 1642385  
Account # 10991

Project Name: 90121

Collected: 03/18/2016 10:30 by KA

Chevron

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 03/19/2016 09:50

Reported: 03/31/2016 14:11

LBO01

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10945	Benzene	71-43-2	N.D.	ug/l 0.5	ug/l 1	1
10945	Ethanol	64-17-5	N.D.	50	250	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	1	0.5	1	1
10945	Toluene	108-88-3	N.D.	0.5	1	1
10945	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.	140	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.	62 J	50	110	1
The reverse surrogate, capric acid, is present at <1%.						

### General Sample Comments

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE/ETOH Water	SW-846 8260B	1	Z160851AA	03/25/2016 15:45	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z160851AA	03/25/2016 15:45	Brett W Kenyon	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	16082B20A	03/23/2016 20:26	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	16082B20A	03/23/2016 20:26	Marie D Beamenderfer	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	2	160840020A	03/28/2016 21:20	Thomas C Wildermuth	1
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	160840020A	03/25/2016 09:30	Bradley W VanLeuven	1

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

Sample Description: MW-2A-W-160318 NA Water  
Facility# 90121 BTST  
3026 Lakeshore-Oakland T0600100328

LL Sample # WW 8294209  
LL Group # 1642385  
Account # 10991

Project Name: 90121

Collected: 03/18/2016 11:00 by KA

Chevron

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 03/19/2016 09:50

Reported: 03/31/2016 14:11

LBO02

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10945	Benzene	71-43-2	N.D.	0.5	1	1
10945	Ethanol	64-17-5	N.D.	50	250	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	75	0.5	1	1
10945	Toluene	108-88-3	N.D.	0.5	1	1
10945	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.	290	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	110	1
The reverse surrogate, capric acid, is present at <1%.						

### General Sample Comments

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE/ETOH Water	SW-846 8260B	1	Z160851AA	03/25/2016 16:09	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z160851AA	03/25/2016 16:09	Brett W Kenyon	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	16082B20A	03/23/2016 20:54	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	16082B20A	03/23/2016 20:54	Marie D Beamenderfer	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	160840020A	03/28/2016 21:42	Thomas C Wildermuth	1
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	160840020A	03/25/2016 09:30	Bradley W VanLeuven	1

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

Sample Description: MW-4A-W-160318 NA Water  
Facility# 90121 BTST  
3026 Lakeshore-Oakland T0600100328

LL Sample # WW 8294210  
LL Group # 1642385  
Account # 10991

Project Name: 90121

Collected: 03/18/2016 11:30 by KA

Chevron

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 03/19/2016 09:50

Reported: 03/31/2016 14:11

LBO04

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10945	Benzene	71-43-2	N.D.	ug/l 0.5	ug/l 1	1
10945	Ethanol	64-17-5	N.D.	50	250	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	4	0.5	1	1
10945	Toluene	108-88-3	N.D.	0.5	1	1
10945	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.	72 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	110	1
The reverse surrogate, capric acid, is present at <1%.						

### General Sample Comments

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE/ETOH Water	SW-846 8260B	1	Z160851AA	03/25/2016 16:33	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z160851AA	03/25/2016 16:33	Brett W Kenyon	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	16082B20A	03/23/2016 21:21	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	16082B20A	03/23/2016 21:21	Marie D Beamenderfer	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	160840020A	03/28/2016 22:03	Thomas C Wildermuth	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	160840020A	03/25/2016 09:30	Bradley W VanLeuven	1

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



Sample Description: MW-5-W-160318 NA Water  
Facility# 90121 BTST  
3026 Lakeshore-Oakland T0600100328

LL Sample # WW 8294211  
LL Group # 1642385  
Account # 10991

Project Name: 90121

Collected: 03/18/2016 08:40 by KA

Chevron

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 03/19/2016 09:50

Reported: 03/31/2016 14:11

LBO05

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10945	Benzene	71-43-2	N.D.	0.5	1	1
10945	Ethanol	64-17-5	N.D.	50	250	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10945	Toluene	108-88-3	N.D.	0.5	1	1
10945	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	110	1
The reverse surrogate, capric acid, is present at <1%.						

### General Sample Comments

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE/ETOH Water	SW-846 8260B	1	Z160851AA	03/25/2016 16:57	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z160851AA	03/25/2016 16:57	Brett W Kenyon	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	16082B20A	03/23/2016 21:49	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	16082B20A	03/23/2016 21:49	Marie D Beamenderfer	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	160840020A	03/28/2016 22:25	Thomas C Wildermuth	1
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	160840020A	03/25/2016 09:30	Bradley W VanLeuven	1

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

Sample Description: MW-6-W-160318 NA Water  
Facility# 90121 BTST  
3026 Lakeshore-Oakland T0600100328

LL Sample # WW 8294212  
LL Group # 1642385  
Account # 10991

Project Name: 90121

Collected: 03/18/2016 10:00 by KA

Chevron

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 03/19/2016 09:50

Reported: 03/31/2016 14:11

LBO06

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles</b>			<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	
10945	Benzene	71-43-2	N.D.	3	5	5
10945	Ethanol	64-17-5	N.D.	250	1,300	5
10945	Ethylbenzene	100-41-4	N.D.	3	5	5
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	3	5	5
10945	Toluene	108-88-3	N.D.	3	5	5
10945	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 5.

Reporting limits were raised due to sample foaming.

<b>GC Volatiles</b>			<b>SW-846 8015B</b>	<b>ug/l</b>	<b>ug/l</b>	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	500	1,000	10

Reporting limits were raised due to sample foaming.

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

<b>GC Petroleum Hydrocarbons w/Si</b>			<b>SW-846 8015B</b>	<b>ug/l</b>	<b>ug/l</b>	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	110	1

The reverse surrogate, capric acid, is present at <1%.

### General Sample Comments

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE/ETOH Water	SW-846 8260B	1	Z160871AA	03/28/2016 02:32	Hu Yang	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z160871AA	03/28/2016 02:32	Hu Yang	5
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	16085A20A	03/26/2016 16:33	Marie D Beamenderfer	10
01146	GC VOA Water Prep	SW-846 5030B	1	16085A20A	03/26/2016 16:33	Marie D Beamenderfer	10
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	160840020A	03/28/2016 22:47	Thomas C Wildermuth	1
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	160840020A	03/25/2016 09:30	Bradley W VanLeuven	1

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

Sample Description: MW-8-W-160318 NA Water  
Facility# 90121 BTST  
3026 Lakeshore-Oakland T0600100328

LL Sample # WW 8294213  
LL Group # 1642385  
Account # 10991

Project Name: 90121

Collected: 03/18/2016 09:30 by KA

Chevron

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 03/19/2016 09:50

Reported: 03/31/2016 14:11

LBO08

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10945	Benzene	71-43-2	N.D.	0.5	1	1
10945	Ethanol	64-17-5	N.D.	50	250	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10945	Toluene	108-88-3	N.D.	0.5	1	1
10945	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	110	1
The reverse surrogate, capric acid, is present at <1%.						

### General Sample Comments

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE/ETOH Water	SW-846 8260B	1	Z160851AA	03/25/2016 17:45	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z160851AA	03/25/2016 17:45	Brett W Kenyon	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	16082B20A	03/23/2016 23:13	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	16082B20A	03/23/2016 23:13	Marie D Beamenderfer	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	160840020A	03/28/2016 23:09	Thomas C Wildermuth	1
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	160840020A	03/25/2016 09:30	Bradley W VanLeuven	1

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

Sample Description: MW-9-W-160318 NA Water  
Facility# 90121 BTST  
3026 Lakeshore-Oakland T0600100328

LL Sample # WW 8294214  
LL Group # 1642385  
Account # 10991

Project Name: 90121

Collected: 03/18/2016 11:35 by KA

Chevron

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 03/19/2016 09:50

Reported: 03/31/2016 14:11

LBO09

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10945	Benzene	71-43-2	N.D.	0.5	1	1
10945	Ethanol	64-17-5	N.D.	50	250	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	2	0.5	1	1
10945	Toluene	108-88-3	N.D.	0.5	1	1
10945	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	110	1
The reverse surrogate, capric acid, is present at <1%.						

### General Sample Comments

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE/ETOH Water	SW-846 8260B	1	Z160851AA	03/25/2016 18:09	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z160851AA	03/25/2016 18:09	Brett W Kenyon	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	16082B20A	03/23/2016 23:40	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	16082B20A	03/23/2016 23:40	Marie D Beamenderfer	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	160840020A	03/28/2016 23:30	Thomas C Wildermuth	1
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	160840020A	03/25/2016 09:30	Bradley W VanLeuven	1

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

Sample Description: QA-T-160318 NA Water  
Facility# 90121 BTST  
3026 Lakeshore-Oakland T0600100328

LL Sample # WW 8294215  
LL Group # 1642385  
Account # 10991

Project Name: 90121

Collected: 03/18/2016 08:20

Chevron

Submitted: 03/19/2016 09:50

6001 Bollinger Canyon Rd L4310

Reported: 03/31/2016 14:11

San Ramon CA 94583

LBOQA

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10945	Benzene	71-43-2	N.D.	ug/l 0.5	ug/l 1	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10945	Toluene	108-88-3	N.D.	0.5	1	1
10945	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.	ug/l 50	ug/l 100	1

### General Sample Comments

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE	SW-846 8260B	1	Z160851AA	03/25/2016 11:45	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z160851AA	03/25/2016 11:45	Brett W Kenyon	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	16082B20A	03/23/2016 19:30	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	16082B20A	03/23/2016 19:30	Marie D Beamenderfer	1

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

Sample Description: MW-3A-W-160318 NA Water  
Facility# 90121 BTST  
3026 Lakeshore-Oakland T0600100328

LL Sample # WW 8294216  
LL Group # 1642385  
Account # 10991

Project Name: 90121

Collected: 03/18/2016 12:40 by KA

Chevron

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 03/19/2016 09:50

Reported: 03/31/2016 14:11

LBO03

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10945	Benzene	71-43-2	N.D.	0.5	1	1
10945	Ethanol	64-17-5	N.D.	50	250	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10945	Toluene	108-88-3	N.D.	0.5	1	1
10945	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	110	1
The reverse surrogate, capric acid, is present at <1%.						

### General Sample Comments

CA ELAP Lab Certification No. 2792

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
10945	BTEX/MTBE/ETOH Water	SW-846 8260B	1	Z160851AA	03/25/2016 18:33	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z160851AA	03/25/2016 18:33	Brett W Kenyon	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	16082B20A	03/24/2016 00:08	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	16082B20A	03/24/2016 00:08	Marie D Beamenderfer	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	160840020A	03/28/2016 23:52	Thomas C Wildermuth	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	160840020A	03/25/2016 09:30	Bradley W VanLeuven	1

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

## Quality Control Summary

Client Name: Chevron  
Reported: 03/31/2016 14:11

Group Number: 1642385

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.

### Method Blank

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
Batch number: Z160851AA	Sample number(s): 8294208-8294211, 8294213-8294216		
Benzene	N.D.	0.5	1
Ethanol	N.D.	50	250
Ethylbenzene	N.D.	0.5	1
Methyl Tertiary Butyl Ether	N.D.	0.5	1
Toluene	N.D.	0.5	1
Xylene (Total)	N.D.	0.5	1
Batch number: Z160871AA	Sample number(s): 8294212		
Benzene	N.D.	0.5	1
Ethanol	N.D.	50	250
Ethylbenzene	N.D.	0.5	1
Methyl Tertiary Butyl Ether	N.D.	0.5	1
Toluene	N.D.	0.5	1
Xylene (Total)	N.D.	0.5	1
Batch number: 16082B20A	Sample number(s): 8294208-8294211, 8294213-8294216		
TPH-GRO N. CA water C6-C12	N.D.	50	100
Batch number: 16085A20A	Sample number(s): 8294212		
TPH-GRO N. CA water C6-C12	N.D.	50	100
Batch number: 160840020A	Sample number(s): 8294208-8294214, 8294216		
TPH-DRO CA C10-C28 w/ Si Gel	N.D.	50	100

### LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l					
Batch number: Z160851AA	Sample number(s): 8294208-8294211, 8294213-8294216								
Benzene	20	18.62	20	18.86	93	94	78-120	1	30
Ethanol	500	500.69	500	420.11	100	84	47-155	18	30
Ethylbenzene	20	18.81	20	18.82	94	94	78-120	0	30
Methyl Tertiary Butyl Ether	20	17.84	20	18.4	89	92	75-120	3	30
Toluene	20	18.74	20	18.94	94	95	80-120	1	30
Xylene (Total)	60	57.72	60	57.85	96	96	80-120	0	30
Batch number: Z160871AA	Sample number(s): 8294212								
Benzene	20	18.16			91		78-120		
Ethanol	500	454.36			91		47-155		
Ethylbenzene	20	18.22			91		78-120		
Methyl Tertiary Butyl Ether	20	18.14			91		75-120		
Toluene	20	18.92			95		80-120		

\*- 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.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

## Quality Control Summary

Client Name: Chevron  
Reported: 03/31/2016 14:11

Group Number: 1642385

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Xylene (Total)	60	54.88			91		80-120		
Batch number: 16082B20A TPH-GRO N. CA water C6-C12	1100	1013.11	1100	1031.83	92	94	77-120	2	30
Batch number: 16085A20A TPH-GRO N. CA water C6-C12	1100	951.52	1100	964.2	87	88	77-120	1	30
Batch number: 160840020A TPH-DRO CA C10-C28 w/ Si Gel	1600	1152.12	1600	1071.84	72	67	40-105	7	20

## MS/MSD

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

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: Z160871AA	Sample number(s): 8294212 UNSPK: P295769									
Benzene	N.D.	20	19.94	20	20.31	100	102	78-120	2	30
Ethanol	N.D.	500	450.76	500	468.29	90	94	47-155	4	30
Ethylbenzene	N.D.	20	19.99	20	20.55	100	103	78-120	3	30
Methyl Tertiary Butyl Ether	0.852	20	18.88	20	19.66	90	94	75-120	4	30
Toluene	N.D.	20	20.38	20	21.04	102	105	80-120	3	30
Xylene (Total)	N.D.	60	60.88	60	62.39	101	104	80-120	2	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: BTEX/MTBE/ETOH Water  
Batch number: Z160851AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8294208	96	93	97	96
8294209	94	93	98	95
8294210	96	95	98	95
8294211	96	95	99	95
8294213	97	96	98	94
8294214	96	95	97	93
8294215	95	94	97	94
8294216	97	96	98	93
Blank	95	95	98	95
LCS	95	97	98	97
LCSD	95	97	98	97

\*- 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.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.



## Quality Control Summary

Client Name: Chevron  
Reported: 03/31/2016 14:11

Group Number: 1642385

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

Analysis Name: BTEX/MTBE/ETOH Water  
Batch number: Z160871AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8294212	97	94	98	94
Blank	96	97	96	93
LCS	96	97	100	98
MS	96	95	98	97
MSD	94	97	98	98

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

Analysis Name: TPH-GRO N. CA water C6-C12  
Batch number: 16082B20A

	Trifluorotoluene-F
8294208	78
8294209	108
8294210	81
8294211	90
8294213	91
8294214	86
8294215	77
8294216	87
Blank	92
LCS	96
LCSD	98

Limits: 63-135

Analysis Name: TPH-GRO N. CA water C6-C12  
Batch number: 16085A20A

	Trifluorotoluene-F
8294212	88
Blank	89
LCS	95
LCSD	97

Limits: 63-135

Analysis Name: TPH-DRO CA C10-C28 w/ Si Gel  
Batch number: 160840020A

	Orthoterphenyl
8294208	74
8294209	83
8294210	74
8294211	73
8294212	68
8294213	65
8294214	70
8294216	76
Blank	69
LCS	82
LCSD	77

\*- 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.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

**Quality Control Summary**Client Name: Chevron  
Reported: 03/31/2016 14:11

Group Number: 1642385

Limits: 42-126

\*- 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.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

031816-02

## CHAIN OF CUSTODY FORM

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

Chevron Site Number: 90121  
 Chevron Site Global ID: T0600100328  
 Chevron Site Address: 3026 Lakeshore Blvd., Oakland, CA  
 Chevron PM: Mark Horne  
 Chevron PM Phone No.: (925) 790-3964  
 Retail and Terminal Business Unit (RTBU) Job  
 Construction/Retail Job

Chevron Consultant: GHD  
 Address: 2300 Clayton Rd., Suite 920, Concord, CA  
 Consultant Contact: Nathan Lee  
 Consultant Phone No. 925-849-1003  
 Consultant Project No. \_\_\_\_\_  
 Sampling Company: Blaine Tech Services  
 Sampled By (Print): Kevin Allen  
 Sampler Signature: [Signature]

**ANALYSES REQUIRED**

<input type="checkbox"/> EPA 8260B/GC/MS	<input type="checkbox"/> EPA 8015B	<input type="checkbox"/> EPA 8021B	<input type="checkbox"/> EPA 6010	<input type="checkbox"/> EPA 6010/7000	<input type="checkbox"/> EPA 150.1	<input type="checkbox"/> SM2510B	<input type="checkbox"/> EPA 418.1	<input type="checkbox"/> EPA 8260	<input type="checkbox"/> EPA 8015	<input type="checkbox"/> Preservation Codes
<input type="checkbox"/> TPH-G	<input type="checkbox"/> GRO	<input type="checkbox"/> BTEX	<input type="checkbox"/> MTBE	<input type="checkbox"/> DRO	<input type="checkbox"/> ALKALINITY	<input type="checkbox"/> SPECIFIC CONDUCTIVITY	<input type="checkbox"/> TRPH	<input type="checkbox"/> ETHANOL	<input type="checkbox"/> OIL & GREASE	H = HCL T = Thiosulfate N = HNO <sub>3</sub> B = NaOH S = H <sub>2</sub> SO <sub>4</sub> O = Other acet # 10991 Cap # 1642385 Sample # 8294208-16
<input type="checkbox"/> HVOC	<input type="checkbox"/> HC SCREEN	<input type="checkbox"/> OXYGENATES	<input type="checkbox"/> DRO	<input type="checkbox"/> TITLE 22 METALS	<input type="checkbox"/> STLC	<input type="checkbox"/> CONDUCTIVITY	<input type="checkbox"/> TPH-G	<input type="checkbox"/> TPH-G	<input type="checkbox"/> OIL & GREASE	

Charge Code: **NWRTB-0098247-0-OML**  
 NWRTB 00SITE NUMBER-0- WBS  
**(WBS ELEMENTS:**  
 SITE ASSESSMENT: A1L    REMEDIATION IMPLEMENTATION: R5L  
 SITE MONITORING: OML    OPERATION MAINTENANCE & MONITORING: M1L  
**THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.**

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

Other Lab	Temp. Blank	Check
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

SAMPLE ID				Sample Time	# of Containers	Container Type	ANALYSES REQUIRED										Notes/Comments	
Field Point Name	Matrix	Top Depth	Date (yymmdd)				EPA 8260B/GC/MS	EPA 8015B	EPA 8021B	EPA 6010	EPA 6010/7000	EPA 150.1	SM2510B	EPA 418.1	EPA 8260	EPA 8015		
MW-1	W		160318	1030	8	Various	X	X										
MW-2A	↓			1100	↓	↓	X	X										
MW-4A	↓			1130	↓	↓	X	X										
MW-5	↓			0840	↓	↓	X	X										
MW-6	↓			1000	↓	↓	X	X										
MW-8	↓			0930	↓	↓	X	X										
MW-9	↓			1135	↓	↓	X	X										
QA	T			0820	2	HCl vol	X											
MW-3A	W			1240	8	Various	X	X										

Relinquished By: <u>[Signature]</u>	Company: <u>BTS</u>	Date/Time: <u>3-18-16 / 1330</u>	Relinquished To: <u>[Signature]</u>	Company: <u>ELLE</u>	Date/Time: <u>3/18/16 1330</u>	Turnaround Time: Standard <input 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>ELLE</u>	Date/Time: <u>3/18/16 1400</u>	Relinquished To: <u>[Signature]</u>	Company: <u>FE</u>	Date/Time: _____	
Relinquished By: _____	Company: _____	Date/Time: _____	Relinquished To: <u>[Signature]</u>	Company: <u>ELLE</u>	Date/Time: <u>3/19/16 0950</u>	COC # _____



# Explanation of Symbols and Abbreviations

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

<b>RL</b>	Reporting Limit	<b>BMQL</b>	Below Minimum Quantitation Level
<b>N.D.</b>	none detected	<b>MPN</b>	Most Probable Number
<b>TNTC</b>	Too Numerous To Count	<b>CP Units</b>	cobalt-chloroplatinate units
<b>IU</b>	International Units	<b>NTU</b>	nephelometric turbidity units
<b>umhos/cm</b>	micromhos/cm	<b>ng</b>	nanogram(s)
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>µg</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>mL</b>	milliliter(s)	<b>L</b>	liter(s)
<b>m<sup>3</sup></b>	cubic meter(s)	<b>µL</b>	microliter(s)
		<b>pg/L</b>	picogram/liter
<b>&lt;</b>	less than		
<b>&gt;</b>	greater than		
<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 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.		

## Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value  $\geq$  the Method Detection Limit (MDL or DL) and  $<$  the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column  $>40\%$ . The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column  $>100\%$ . The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

## Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) 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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