



Catalina Espino Devine
Project Manager
Marketing Business Unit

**Chevron Environmental
Management Company**
6101 Bollinger Canyon Road
San Ramon, CA 94583
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Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

RECEIVED

By Alameda County Environmental Health at 9:00 am, May 01, 2013

Re: Chevron Service Station No. 91851
451 Hegenberger Drive
Oakland, CA

I have reviewed the attached report dated April 29, 2013.

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

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

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

Sincerely,

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

Catalina Espino Devine
Project Manager

Attachment: Report



**CONESTOGA-ROVERS
& ASSOCIATES**

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

April 29, 2013

Reference No. 311976

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

Re: First Semi-Annual 2013
Groundwater Monitoring and Sampling Report
Chevron Service Station 91851
451 Hegenberger Road
Oakland, California
Fuel Leak Case RO0000464

Dear Mr. Detterman:

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

Equal
Employment Opportunity
Employer



**CONESTOGA-ROVERS
& ASSOCIATES**

April 29, 2013

Reference No. 311976

- 2 -

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

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

A handwritten signature in blue ink that reads "Nathan Lee". The signature is written in a cursive, flowing style.



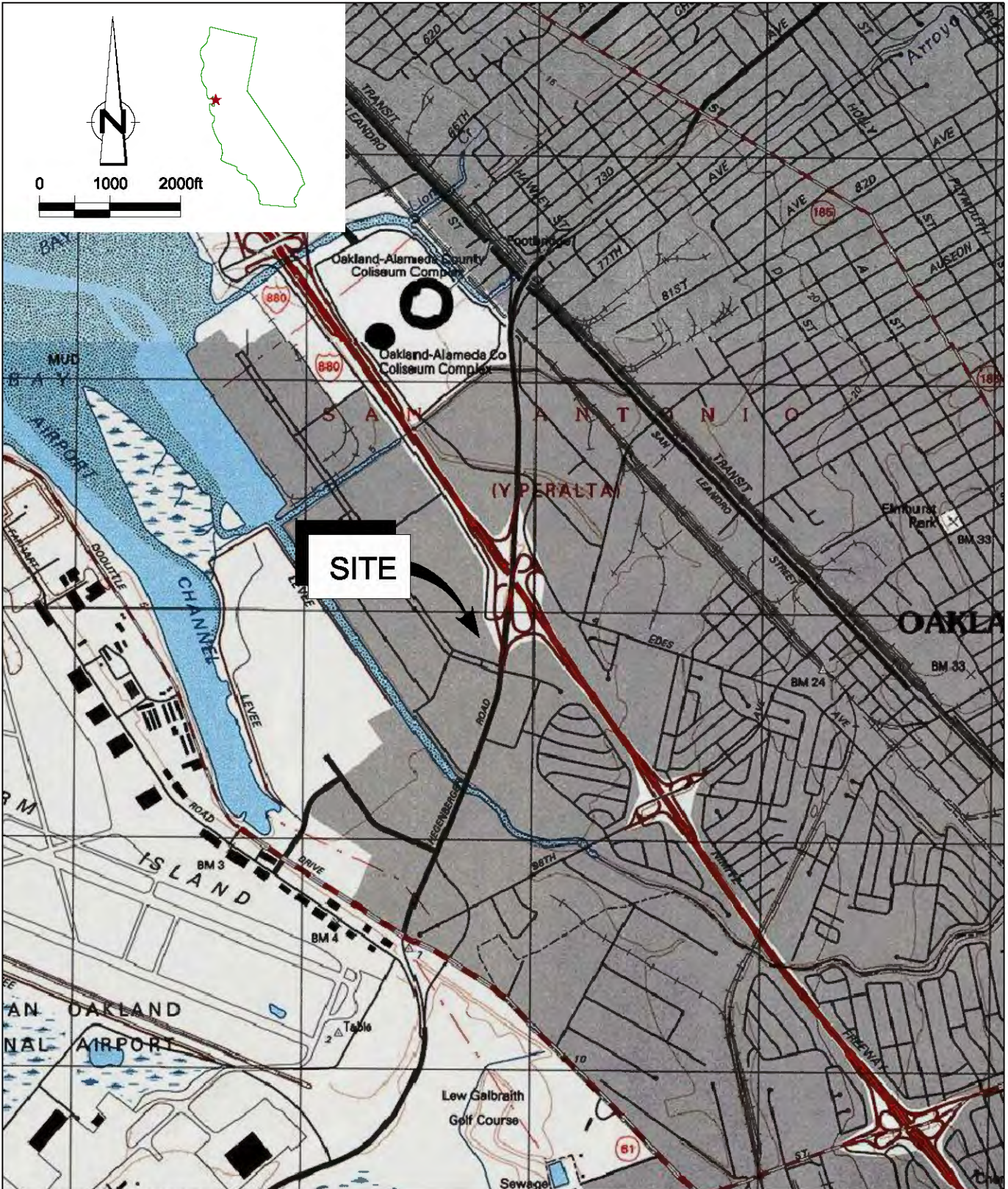
Nathan Lee, PG 8486

CH/cw/22
Encl.

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

cc: Ms. Catalina Espino Devine, Chevron (*electronic copy*)
Navdeep Singh Grewal, Property Owner
Mr. Bob Riddell, Consultant (*electronic copy*)

FIGURES



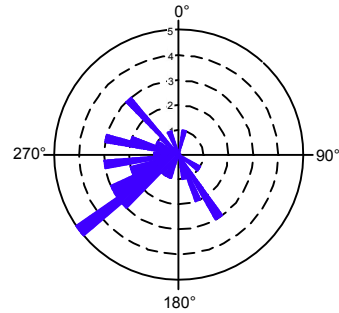
SOURCE: USGS QUADRANGLE MAP;
 EAST OAKLAND, CALIFORNIA; DATE: 1997
 SAN LEANDRO, CALIFORNIA; DATE: 1993

Figure 1
VICINITY MAP
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
Oakland, California

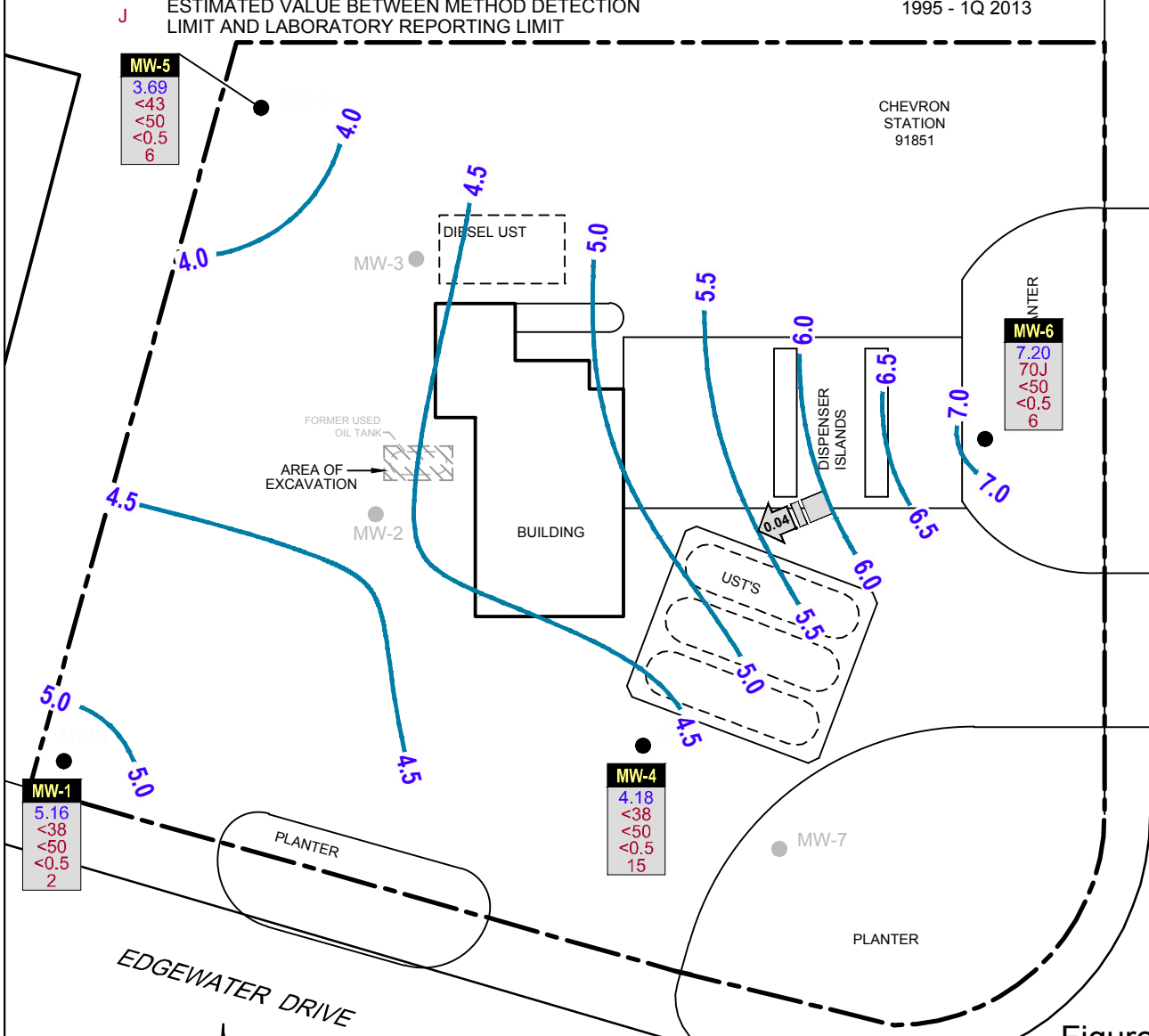


LEGEND

- MONITORING WELL LOCATION
 - MONITORING WELL DESTROYED
 - 7.0 — GROUNDWATER ELEVATION CONTOUR, IN FEET ABOVE MEAN SEA LEVEL (MSL)
 - GROUNDWATER FLOW DIRECTION AND GRADIENT
- | WELL | WELL DESIGNATION |
|-------|------------------------------|
| ELEV | GROUNDWATER ELEVATION (MSL) |
| TPHmo | TPHmo CONCENTRATION (µg/L) |
| TPHg | TPHg CONCENTRATION (µg/L) |
| BENZ | BENZENE CONCENTRATION (µg/L) |
| MTBE | MTBE CONCENTRATION (µg/L) |
- J ESTIMATED VALUE BETWEEN METHOD DETECTION LIMIT AND LABORATORY REPORTING LIMIT



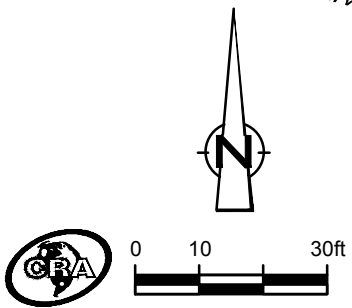
HISTORICAL GROUNDWATER FLOW DIRECTION
1995 - 1Q 2013



HEGENBERGER ROAD

Figure 2

**GROUNDWATER ELEVATION CONTOUR AND
HYDROCARBON CONCENTRATION MAP
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
Oakland, California
February 28, 2013**



TABLE

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 91851
 451 HEGENBERGER ROAD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS						
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME	
	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	10/17/1995	2.61	4.12	-1.51	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-
MW-1	03/29/1996	2.61	3.33	-0.72	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	9.5	-	-	-	-	-	-	-
MW-1	06/26/1996	2.61	3.84	-1.23	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	46	-	-	-	-	-	-	-
MW-1	09/25/1996	2.61	4.02	-1.41	0.00	0.00	-	-	-	-	<250	<2.5	<2.5	<2.5	<2.5	940	-	-	-	-	-	-	-
MW-1	12/17/1996	2.61	3.57	-0.96	0.00	0.00	-	-	-	-	<50	0.9	<0.5	<0.5	<0.5	260	-	-	-	-	-	-	-
MW-1	03/20/1997	2.61	4.15	-1.54	0.00	0.00	-	-	-	-	<50	<2.0	<2.0	<2.0	<2.0	76	-	-	-	-	-	-	-
MW-1	06/20/1997	2.61	4.33	-1.72	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	64	-	-	-	-	-	-	-
MW-1	09/09/1997	2.61	4.35	-1.74	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	110	-	-	-	-	-	-	-
MW-1	12/12/1997	2.61	3.00	-0.39	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	27	-	-	-	-	-	-	-
MW-1	02/19/1998	2.61	1.83	0.78	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	14	-	-	-	-	-	-	-
MW-1	06/23/1998	2.61	3.34	-0.73	0.00	0.00	-	-	-	-	210	<0.5	<0.5	<0.5	<0.5	3,400	-	<50,000	<10,000	<200	<200	<200	<200
MW-1	08/31/1998	2.61	3.49	-0.88	0.00	0.00	-	-	-	-	1,400	630	<5.0	<5.0	<5.0	16,000	-	-	-	-	-	-	-
MW-1	12/29/1998	2.61	3.83	-1.22	0.00	0.00	-	-	-	-	<500	<5.0	<5.0	<5.0	<5.0	1,090	-	-	-	-	-	-	-
MW-1	03/11/1999	2.61	3.04	-0.43	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	33.9	-	-	-	-	-	-	-
MW-1	06/24/1999	2.61	3.38	-0.77	0.00	0.00	-	-	-	-	<500	65.7	<5.0	<5.0	<5.0	1,160	-	<10,000	<2,000	<20	<20	258	258
MW-1	09/29/1999	2.61	3.62	-1.01	0.00	0.00	-	-	-	-	81.7	<0.5	<0.5	<0.5	<0.5	1,130	-	-	-	-	-	-	-
MW-1	12/08/1999	2.61	4.07	-1.46	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	233	-	-	-	-	-	-	-
MW-1	03/01/2000	2.61	1.95	0.66	0.00	0.00	-	-	-	-	100	<0.5	<0.5	<0.5	<0.5	37.9	-	-	-	-	-	-	-
MW-1	06/19/2000	2.61	3.41	-0.80	0.00	0.00	-	-	-	-	<50	3.8	<0.50	<0.50	<0.50	88	91 ²	<500	<100	<2.0	<2.0	11	11
MW-1	09/30/2000	2.61	3.84	-1.23	0.00	0.00	-	-	-	-	<130	<1.3	<1.3	<1.3	<1.3	460	530 ²	-	-	-	-	-	-
MW-1	10/05/2000	2.61	3.93	-1.32	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	12/08/2000	8.61	4.20	4.41	0.00	0.00	-	-	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	58.7	-	-	-	-	-	-	-
MW-1	03/03/2001 ¹¹	8.61	2.31	6.30	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	8.9	-	-	-	-	-	-	-
MW-1	06/19/2001	8.61	3.34	5.27	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	51	-	-	-	-	-	-	-
MW-1	09/05/2001	8.61	3.77	4.84	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	180	-	-	-	-	-	-	-
MW-1	12/10/2001	8.61	2.47	6.14	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	21	-	-	-	-	-	-	-
MW-1	03/04/2002	8.61	3.13	5.48	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	47	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 91851
 451 HEGENBERGER ROAD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	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-1	06/03/2002	8.61	5.71	2.90	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	31	-	-	-	-	-	-
MW-1	09/14/2002	8.61	3.75	4.86	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	140	-	-	-	-	-	-
MW-1	12/13/2002	8.61	3.29	5.32	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
MW-1	03/14/2003	8.61	3.07	5.54	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	35	-	-	-	-	-	-
MW-1	06/09/2003 ¹³	8.61	3.52	5.09	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	69	-	-	-	-	-
MW-1	09/03/2003 ¹³	8.61	4.12	4.49	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	1	<50	-	-	-	-
MW-1	12/01/2003 ¹³	8.61	3.27	5.34	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	100	<50	-	-	-	-
MW-1	03/01/2004 ¹³	8.61	2.06	6.55	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	26	<50	-	-	-	-
MW-1	06/02/2004 ¹³	8.61	3.30	5.31	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	93	<50	-	-	-	-
MW-1	09/03/2004 ¹³	8.61	4.14	4.47	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	140	<50	-	-	-	-
MW-1	12/20/2004 ¹³	8.61	3.62	4.99	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	37	<50	-	-	-	-
MW-1	03/12/2005 ¹³	8.61	3.04	5.57	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	130	<50	-	-	-	-
MW-1	06/28/2005 ¹³	8.61	3.28	5.33	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	93	<50	-	-	-	-
MW-1	09/01/2005 ¹³	8.61	3.58	5.03	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	59	<50	-	-	-	-
MW-1	12/01/2005 ¹³	8.61	3.05	5.56	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	62	<50	-	-	-	-
MW-1	03/04/2006 ¹³	8.61	3.31	5.30	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	88	<50	-	-	-	-
MW-1	06/01/2006 ¹³	8.61	3.44	5.17	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	36	<50	-	-	-	-
MW-1	09/01/2006 ¹³	8.61	2.99	5.62	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	18	<50	-	-	-	-
MW-1	12/15/2006 ¹³	8.61	2.91	5.70	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	8	<50	-	-	-	-
MW-1	03/15/2007 ¹³	8.61	3.43	5.18	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	17	<50	-	-	-	-
MW-1	06/15/2007 ¹³	8.61	3.67	4.94	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	8	<50	-	-	-	-
MW-1	09/06/2007 ¹³	8.61	3.42	5.19	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	3	<50	-	-	-	-
MW-1	12/07/2007 ¹³	8.61	3.31	5.30	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	7	<50	-	-	-	-
MW-1	03/07/2008 ¹³	8.61	3.45	5.16	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	9	<50	-	-	-	-
MW-1	06/24/2008 ¹³	8.61	3.76	4.85	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	3	<50	-	-	-	-
MW-1	09/11/2008 ¹³	8.61	4.50	4.11	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	9	-	-	-	-	-
MW-1	12/19/2008 ¹³	8.61	3.73	4.88	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	6	<50	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 91851
 451 HEGENBERGER ROAD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	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-1	06/01/2009	8.61	4.77	3.84	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	3	<50	-	-	-	-
MW-1	09/30/2009	8.61	4.81	3.80	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	1	<50	-	-	-	-
MW-1	12/10/2009	8.61	3.95	4.66	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	4	<50	-	-	-	-
MW-1	12/11/2009	8.61	3.81	4.80	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	03/08/2010	8.61	2.90	5.71	0.00	0.00	-	-	-	-	<500	<0.5	<0.5	<0.5	<0.5	-	4	<50	-	-	-	-
MW-1	06/06/2010	8.61	3.40	5.21	0.00	0.00	280	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	2	<50	-	-	-	-
MW-1	09/02/2010	8.61	4.02	4.59	0.00	0.00	320	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	2	<50	-	-	-	-
MW-1	12/09/2010	8.61	3.23	5.38	0.00	0.00	320	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	3	<50	-	-	-	-
MW-1	03/23/2011	8.61	2.33	6.28	0.00	0.00	1,100	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	3	<50	-	-	-	-
MW-1	06/24/2011	8.61	3.06	5.55	0.00	0.00	-	85 J	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	1	<50	-	-	-	-
MW-1	09/30/2011	8.61	3.75	4.86	0.00	0.00	-	<39	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	1 J	<50	<5	<0.5	<0.5	<0.5
MW-1	03/16/2012	8.61	3.32	5.29	0.00	0.00	-	<41	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	1	<50	-	-	-	-
MW-1	09/13/2012	8.61	3.52	5.09	0.00	0.00	-	<38	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	2	<50	-	-	-	-
MW-1	02/28/2013	8.61	3.45	5.16	0.00	0.00	-	<38	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	2	<50	-	-	-	-
MW-2	10/17/1995 ³	3.51	5.33	-1.82	0.00	0.00	-	-	1,600 ⁴	-	170	3.5	<0.5	1.0	6.1	-	-	-	-	-	-	-
MW-2	03/29/1996	3.51	3.95	-0.44	0.00	0.00	-	-	3,000 ⁴	-	89	11 / 4.7	<0.5	0.64	2.5 / 0.74	21	-	-	-	-	-	-
MW-2	06/26/1996	3.51	4.60	-1.09	0.00	0.00	-	-	2,000 ⁴	-	80	8.7 / 11	<0.5	1.2	<2.0 / 1.3	31	-	-	-	-	-	-
MW-2	09/25/1996	3.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/17/1996	3.51	3.92	-0.41	0.00	0.00	-	-	2,400 ⁴	-	110	<0.5 / 10	<0.5	0.75	<2.0 / 2.1	27	-	-	-	-	-	-
MW-2	03/20/1997	3.51	4.83	-1.32	0.00	0.00	-	-	3,400 ⁴	-	140	8.2	<2.0	<2.0	<2.0	58	-	-	-	-	-	-
MW-2	06/20/1997	3.51	5.04	-1.53	0.00	0.00	-	-	1,600 ⁴	-	62	7.7 / 7.2	<0.5	<0.5	<0.5 / <2.0	38	-	-	-	-	-	-
MW-2	09/09/1997	3.51	4.98	-1.47	0.00	0.00	-	-	82 ⁴	-	190	9.4 / 11	<0.5	<0.5	<2.0 / 0.86	48	-	-	-	-	-	-
MW-2	12/12/1997	3.51	3.91	-0.40	0.00	0.00	-	-	8,500 ⁴	-	180	<2.0 / 1.8	<0.5	<0.5	<2.0 / 3.2	34	-	-	-	-	-	-
MW-2	02/19/1998	3.51	2.96	0.55	0.00	0.00	-	-	3,800 ⁴	-	<100	<3.3 / 1.8	<1.0	<1.0	<3.3 / <1.0	230	-	-	-	-	-	-
MW-2	06/23/1998	3.51	4.05	-0.54	0.00	0.00	-	-	-	-	60	<0.5	<0.5	<0.5	<0.5	55	-	<500	<100	<2.0	<2.0	<2.0
MW-2	08/31/1998	3.51	4.31	-0.80	0.00	0.00	-	-	-	-	61	2.2	<0.5	<0.5	1.1	53	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 91851
 451 HEGENBERGER ROAD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	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	12/29/1998	3.51	4.63	-1.12	0.00	0.00	-	-	-	-	54	1.3	<0.5	<0.5	0.752	38.1	-	-	-	-	-	-
MW-2	03/11/1999	3.51	3.52	-0.01	0.00	0.00	-	-	-	-	648	2.9	<2.0	<2.0	<2.0	73.2	-	-	-	-	-	-
MW-2	06/24/1999	3.51	4.00	-0.49	0.00	0.00	-	-	-	-	264	0.58	<0.5	1.01	<0.5	44.1	-	<1,000	<200	<2.0	<2.0	<2.0
MW-2	09/29/1999	3.51	4.44	-0.93	0.00	0.00	-	-	-	-	54.3	0.66	<0.5	<0.5	<0.5	35.7	-	-	-	-	-	-
MW-2	12/08/1999	3.51	4.89	-1.38	0.00	0.00	-	-	-	-	<50	1.27	<0.5	<0.5	<0.5	56.9	-	-	-	-	-	-
MW-2	03/01/2000	3.51	3.03	0.48	0.00	0.00	-	-	-	-	68	1.57	<0.5	<0.5	<0.5	110	-	-	-	-	-	-
MW-2	06/19/2000	3.51	4.17	-0.66	0.00	0.00	-	-	-	-	58.00 ¹	1.5	<0.50	<0.50	<0.50	90	59 ²	<500	<100	<2.0	<2.0	4.0
MW-2	09/30/2000	3.51	4.66	-1.15	0.00	0.00	-	-	-	-	<50	<0.50	0.82	<0.50	1.1	48	50 ²	-	-	-	-	-
MW-2	10/05/2000 ^{8,9}	3.51	4.71	-1.20	0.00	0.00	-	-	4,000 ⁷	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/08/2000	9.52	4.97	4.55	0.00	0.00	-	-	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	61.8	-	-	-	-	-	-
MW-2	03/03/2001 ¹¹	9.52	3.27	6.25	0.00	0.00	-	-	-	-	310 ¹²	0.60	<0.50	<0.50	1.3	97	-	-	-	-	-	-
MW-2	06/19/2001	9.52	4.05	5.47	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	30	-	-	-	-	-	-
MW-2	09/05/2001	9.52	4.54	4.98	0.00	0.00	-	-	-	-	<50	<0.50	1.2	<0.50	<1.5	46	-	-	-	-	-	-
MW-2	12/10/2001	9.52	3.45	6.07	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	22	-	-	-	-	-	-
MW-2	03/04/2002	9.52	3.94	5.58	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	61	-	-	-	-	-	-
MW-2	06/03/2002	9.52	4.08	5.44	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	71	-	-	-	-	-	-
MW-2	09/14/2002	9.52	4.65	4.87	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	77	-	-	-	-	-	-
MW-2	12/13/2002	9.52	4.31	5.21	0.00	0.00	-	-	-	-	53	<0.50	<0.50	<0.50	<1.5	44	-	-	-	-	-	-
MW-2	03/14/2003	9.52	3.91	5.61	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	55	-	-	-	-	-	-
MW-2	06/09/2003 ¹³	9.52	4.33	5.19	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	67	-	-	-	-	-
MW-2	09/03/2003 ¹³	9.52	4.93	4.59	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	0.9	<50	-	-	-	-
MW-2	12/01/2003 ¹³	9.52	4.15	5.37	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	72	<50	-	-	-	-
MW-2	03/01/2004 ¹³	9.52	3.12	6.40	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	130	<50	-	-	-	-
MW-2	06/02/2004 ¹³	9.52	4.21	5.31	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	46	<50	-	-	-	-
MW-2	09/03/2004 ¹³	9.52	4.14	5.38	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	69	<50	-	-	-	-
MW-2	12/20/2004	9.52	4.60	4.96**	0.05	0.01 ¹⁴	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	03/12/2005 ¹³	9.52	3.90	5.62	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	57	<50	-	-	-	-

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GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 91851
 451 HEGENBERGER ROAD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	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	06/28/2005 ¹³	9.52	4.06	5.46	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	6	<50	-	-	-	-
MW-2	09/01/2005	9.52	4.52	5.03**	0.04	1.10 ¹⁴	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/01/2005 ¹³	9.52	4.01	5.51	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	3	<50	-	-	-	-
MW-2	03/04/2006 ¹³	9.52	4.27	5.25	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	14	<50	-	-	-	-
MW-2	06/01/2006 ¹³	9.52	4.40	5.12	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	35	<50	-	-	-	-
MW-2	09/01/2006 ¹³	9.52	3.90	5.62	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	31	<50	-	-	-	-
MW-2	12/15/2006 ¹³	9.52	3.88	5.64	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	25	<50	-	-	-	-
MW-2	03/15/2007 ¹³	9.52	4.27	5.25	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	15	<50	-	-	-	-
MW-2	06/15/2007 ¹⁶	9.52	4.49	5.03	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	09/06/2007 ¹³	9.52	4.32	5.20	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	43	<50	-	-	-	-
MW-2	12/07/2007 ¹³	9.52	4.46	5.06	0.00	0.00	-	-	-	-	<250 ¹⁷	<0.5	<0.5	<0.5	<0.5	-	28	<50	-	-	-	-
MW-2	03/07/2008 ¹³	9.52	4.38	5.15**	0.01	0.01	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	19	<50	-	-	-	-
MW-2	06/24/2008	9.52	5.16	4.88**	0.65	0.73 ¹⁴	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	09/11/2008	9.52	5.50	4.30**	0.35	0.13 ¹⁴	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/19/2008	9.52	4.80	4.75**	0.04	0.50 ¹⁸	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	06/01/2009	9.52	4.90	4.62	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	09/30/2009	9.52	4.82	4.70**	0.09	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/10/2009	9.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/11/2009	9.52	4.89	4.63**	0.10	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	03/08/2010	9.52	3.82	5.74**	0.05	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	06/06/2010	9.52	4.52	5.06**	0.07	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	09/02/2010 ²²	9.52	4.89	4.67**	0.05	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	12/09/2010 ²²	9.52	3.74	5.82**	0.05	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	03/23/2011 ²²	9.52	3.38	8.81**	0.04	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	06/24/2011 ²²	9.52	4.08	5.48**	0.05	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	09/30/2011 ²²	9.52	4.76	4.81**	0.06	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	03/16/2012 ²²	9.52	4.64	4.96**	0.10	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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 CHEVRON SERVICE STATION 91851
 451 HEGENBERGER ROAD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS									
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME				
	Units	ft	ft	ft-amsl	ft	gal	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L			
MW-2	09/13/2012 ²²	9.52	4.66	4.94**	0.10	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MW-2	02/28/2013 ²⁷																									
							Monitoring well destroyed																			
MW-3	10/17/1995 ⁵	3.08	4.42	-1.34	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-	-	-		
MW-3	03/29/1996	3.08	3.00	0.08	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	26	-	-	-	-	-	-	-	-		
MW-3	06/26/1996	3.08	3.60	-0.52	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	47	-	-	-	-	-	-	-	-		
MW-3	09/25/1996	3.08	4.14	-1.06	0.00	0.00	-	-	-	-	<125	<1.2	<1.2	<1.2	<1.2	570	-	-	-	-	-	-	-	-		
MW-3	12/17/1996	3.08	3.20	-0.12	0.00	0.00	-	-	-	-	<500	<5.0	<5.0	<5.0	<5.0	680	-	-	-	-	-	-	-	-		
MW-3	03/20/1997	3.08	3.30	-0.22	0.00	0.00	-	-	-	-	<50	<5.7	<5.7	<5.7	<5.7	430	-	-	-	-	-	-	-	-		
MW-3	06/20/1997	3.08	3.86	-0.78	0.00	0.00	-	-	-	-	<500	<5.0	<5.0	<5.0	<5.0	1,400	-	-	-	-	-	-	-	-		
MW-3	09/09/1997	3.08	4.19	-1.11	0.00	0.00	-	-	-	-	76 ⁴	22	<0.5	<0.5	<0.5	920	-	-	-	-	-	-	-	-		
MW-3	12/12/1997	3.08	2.96	0.12	0.00	0.00	-	-	-	-	52	15	<0.5	<0.5	<0.5	710	-	-	-	-	-	-	-	-		
MW-3	02/19/1998	3.08	2.22	0.86	0.00	0.00	-	-	-	-	<50	6.6	<0.5	<0.5	<0.5	380	-	-	-	-	-	-	-	-		
MW-3	06/23/1998	3.08	3.25	-0.17	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	390	-	<5,000	<1,000	<20	<20	26	-	-		
MW-3	08/31/1998	3.08	3.86	-0.78	0.00	0.00	-	-	-	-	<50	19	<0.5	<0.5	<0.5	830	-	-	-	-	-	-	-	-		
MW-3	12/29/1998	3.08	3.53	-0.45	0.00	0.00	-	-	-	-	<250	<2.5	<2.5	<2.5	<2.5	416	-	-	-	-	-	-	-	-		
MW-3	03/11/1999	3.08	3.35	-0.27	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	262	-	-	-	-	-	-	-	-		
MW-3	06/24/1999	3.08	3.61	-0.53	0.00	0.00	-	-	-	-	<50	12.8	<0.5	<0.5	<0.5	620	-	<6,670	<1,330	<13.3	<13.3	<13.3	-	-		
MW-3	09/29/1999	3.08	3.95	-0.87	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	2,840	-	-	-	-	-	-	-	-		
MW-3	12/08/1999	3.08	3.54	-0.46	0.00	0.00	-	-	-	-	73.4	<0.5	<0.5	<0.5	<0.5	1,620	-	-	-	-	-	-	-	-		
MW-3	03/01/2000	3.08	2.43	0.65	0.00	0.00	-	-	-	-	<200	<2.0	<2.0	<2.0	<2.0	1,880	-	-	-	-	-	-	-	-		
MW-3	06/19/2000	3.08	3.38	-0.30	0.00	0.00	-	-	-	-	<250	20	<2.5	<2.5	<2.5	1,200	920 ²	570	<100	<2.0	<2.0	65	-	-		
MW-3	09/30/2000	3.08	4.00	-0.92	0.00	0.00	-	-	-	-	<250	<2.5	<2.5	<2.5	<2.5	730	2,100 ²	-	-	-	-	-	-	-		
MW-3	10/05/2000	3.08	4.02	-0.94	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MW-3	12/08/2000	9.08	3.70	5.38	0.00	0.00	-	-	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	1,620	-	-	-	-	-	-	-	-		
MW-3	03/03/2001 ¹¹	9.08	2.24	6.84	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	1,000	-	-	-	-	-	-	-	-		
MW-3	06/19/2001	9.08	3.71	5.37	0.00	0.00	-	-	-	-	<120	4.8	<1.2	<1.2	<1.2	510	-	-	-	-	-	-	-	-		

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 CHEVRON SERVICE STATION 91851
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Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	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-3	09/05/2001	9.08	4.04	5.04	0.00	0.00	-	-	-	-	130	<0.50	<0.50	<0.50	<1.5	1,400	-	-	-	-	-	-
MW-3	12/10/2001	9.08	2.54	6.54	0.00	0.00	-	-	-	-	130	<0.50	<0.50	<0.50	<1.5	1,000	-	-	-	-	-	-
MW-3	03/04/2002	9.08	2.84	6.24	0.00	0.00	-	-	-	-	120	<0.50	<0.50	<0.50	<1.5	720	-	-	-	-	-	-
MW-3	06/03/2002	9.08	3.28	5.80	0.00	0.00	-	-	-	-	130	<0.50	<0.50	<0.50	<1.5	710	-	-	-	-	-	-
MW-3	09/14/2002	9.08	4.15	4.93	0.00	0.00	-	-	-	-	590	<20	<1.0	<1.0	<3.0	2,600	-	-	-	-	-	-
MW-3	12/13/2002	9.08	3.85	5.23	0.00	0.00	-	-	-	-	430	<0.50	<0.50	<0.50	<1.5	2,000	-	-	-	-	-	-
MW-3	03/14/2003	9.08	2.99	6.09	0.00	0.00	-	-	-	-	310	<0.50	<0.50	<0.50	<1.5	1,600	-	-	-	-	-	-
MW-3	06/09/2003 ¹³	9.08	3.34	5.74	0.00	0.00	-	-	-	-	330	<0.5	<0.5	<0.5	<0.5	-	1,800	-	-	-	-	-
MW-3	09/03/2003 ¹³	9.08	3.97	5.11	0.00	0.00	-	-	-	-	720	<3	<3	<3	<3	-	4,100	<250	-	-	-	-
MW-3	12/01/2003 ¹³	9.08	3.76	5.32	0.00	0.00	-	-	-	-	520	<1	<1	<1	<1	-	2,400	<130	-	-	-	-
MW-3	03/01/2004 ¹³	9.08	2.11	6.97	0.00	0.00	-	-	-	-	140	<0.5	<0.5	<0.5	<0.5	-	850	<50	-	-	-	-
MW-3	06/02/2004 ¹³	9.08	3.65	5.43	0.00	0.00	-	-	-	-	220	<0.5	<0.5	<0.5	<0.5	-	1,500	<50	-	-	-	-
MW-3	09/03/2004 ¹³	9.08	5.01	4.07	0.00	0.00	-	-	-	-	300	<1	<1	<1	<1	-	1,800	<100	-	-	-	-
MW-3	12/20/2004 ¹³	9.08	4.85	4.23	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	86	<50	-	-	-	-
MW-3	03/12/2005 ¹³	9.08	4.39	4.69	0.00	0.00	-	-	-	-	<50	0.6	<0.5	<0.5	<0.5	-	110	<50	-	-	-	-
MW-3	06/28/2005 ¹³	9.08	4.56	4.52	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	23	<50	-	-	-	-
MW-3	09/01/2005 ¹³	9.08	4.67	4.41	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	47	<50	-	-	-	-
MW-3	12/01/2005 ¹³	9.08	4.43	4.65	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	19	<50	-	-	-	-
MW-3	03/04/2006 ¹³	9.08	4.32	4.76	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	36	<50	-	-	-	-
MW-3	06/01/2006 ¹³	9.08	4.52	4.56	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	29	<50	-	-	-	-
MW-3	09/01/2006 ¹³	9.08	4.66	4.42	0.00	0.00	-	-	-	-	75	<0.5	<0.5	<0.5	<0.5	-	29	<50	-	-	-	-
MW-3	12/15/2006 ¹³	9.08	4.07	5.01	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	14	<50	-	-	-	-
MW-3	03/15/2007 ¹³	9.08	4.26	4.82	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	24	<50	-	-	-	-
MW-3	06/15/2007 ¹³	9.08	4.62	4.46	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	18	<50	-	-	-	-
MW-3	09/06/2007 ¹³	9.08	4.70	4.38	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	14	<50	-	-	-	-
MW-3	12/07/2007 ¹³	9.08	4.60	4.48	0.00	0.00	-	-	-	-	<250 ¹⁷	<0.5	<0.5	<0.5	<0.5	-	16	<50	-	-	-	-
MW-3	03/07/2008 ¹³	9.08	4.31	4.77	0.00	0.00	-	-	-	-	51	<0.5	<0.5	<0.5	<0.5	-	20	<50	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 91851
 451 HEGENBERGER ROAD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	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-3	06/24/2008 ¹³	9.08	4.68	4.40	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	21	<50	-	-	-	-
MW-3	09/11/2008 ¹³	9.08	5.02	4.06	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	29	<50	-	-	-	-
MW-3	12/19/2008 ¹³	9.08	4.67	4.41	0.00	0.00	-	-	-	-	59	<0.5	<0.5	<0.5	0.9	-	21	<50	-	-	-	-
MW-3	06/01/2009	9.08	4.48	4.60	0.00	0.00	-	-	-	-	60 J	<0.5	<0.5	<0.5	<0.5	-	23	<50	-	-	-	-
MW-3	09/30/2009	9.08	3.98	5.10	0.00	0.00	-	-	-	-	72 J	<0.5	<0.5	<0.5	<0.5	-	25	<50	-	-	-	-
MW-3	12/10/2009	9.08	4.95	4.13	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	12/11/2009	9.08	4.60	4.48	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	03/08/2010	9.08	3.70	5.38	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	32	<50	-	-	-	-
MW-3	06/06/2010	9.08	4.37	4.71	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	09/02/2010	9.08	4.82	4.26	0.00	0.00	240	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	22	<50	-	-	-	-
MW-3	12/09/2010 ²³	9.08	3.82	5.26	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	03/23/2011	9.08	3.25	5.83	0.00	0.00	4,600	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	2	<50	-	-	-	-
MW-3	06/24/2011	9.08	4.37	4.71	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	09/30/2011	9.08	5.07	4.01	0.00	0.00	-	<40	-	<50	<50	<5	<5	<5	<5	-	21 J	<500	2,200	<5	<5	<5
MW-3	03/16/2012	9.08	3.99	5.09	0.00	0.00	-	53 J	-	89 J	<50	<0.5	<0.5	<0.5	<0.5	-	1	<50	-	-	-	-
MW-3	09/13/2012	9.08	4.31	4.77	0.00	0.00	-	4,400	-	2,000	<50	<0.5	<0.5	<0.5	<0.5	-	24	<50	-	-	-	-
MW-3	02/28/2013²⁷										Monitoring well destroyed											
MW-4	10/17/1995	3.48	5.08	-1.60	0.00	0.00	-	-	-	-	<125	<1.2	<1.2	<1.2	<1.2	-	-	-	-	-	-	-
MW-4	03/29/1996	3.48	4.61	-1.13	0.00	0.00	-	-	-	-	<1,000	<10	<10	<10	<10	6,700	-	-	-	-	-	-
MW-4	06/26/1996	3.48	4.30	-0.82	0.00	0.00	-	-	-	-	<2,000	<20	<20	<20	<20	7,200	-	-	-	-	-	-
MW-4	09/25/1996	3.48	5.33	-1.85	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-
MW-4	12/17/1996	3.48	2.81	0.67	0.00	0.00	-	-	-	-	<2,000	120	<20	<20	<20	11,000	-	-	-	-	-	-
MW-4	03/20/1997	3.48	4.50	-1.02	0.00	0.00	-	-	-	-	250 ⁴	<2.0	<2.0	<2.0	<2.0	10,000	8,600 ⁶	-	-	-	-	-
MW-4	06/20/1997	3.48	5.68	-2.20	0.00	0.00	-	-	-	-	<2,500	<25	<25	<25	<25	9,300	-	-	-	-	-	-
MW-4	09/09/1997	3.48	5.50	-2.02	0.00	0.00	-	-	-	-	460 ⁴	<0.5	<0.5	<0.5	<0.5	6,600	-	-	-	-	-	-
MW-4	12/12/1997	3.48	5.03	-1.55	0.00	0.00	-	-	-	-	430 ⁴	120	<2.5	<2.5	<2.5	7,800	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 91851
 451 HEGENBERGER ROAD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	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-4	02/19/1998	3.48	3.35	0.13	0.00	0.00	-	-	-	-	510 ⁴	130	<0.5	<0.5	<0.5	6,600	-	-	-	-	-	-
MW-4	06/23/1998	3.48	4.98	-1.50	0.00	0.00	-	-	-	-	550 ⁴	<0.5	<0.5	<0.5	<0.5	6,800	-	<50,000	<10,000	<200	<200	860
MW-4	08/31/1998	3.48	5.42	-1.94	0.00	0.00	-	-	-	-	<500	450	<5.0	<5.0	<5.0	14,000	-	-	-	-	-	-
MW-4	12/29/1998	3.48	5.06	-1.58	0.00	0.00	-	-	-	-	<5,000	<50	<50	<50	<50	16,100	-	-	-	-	-	-
MW-4	03/11/1999	3.48	3.78	-0.30	0.00	0.00	-	-	-	-	979	<5.0	<5.0	<5.0	<5.0	15,100	-	-	-	-	-	-
MW-4	06/24/1999	3.48	4.31	-0.83	0.00	0.00	-	-	-	-	<2,500	715	<25	<25	<25	12,400	-	<125,000	<25,000	<250	<250	2,600
MW-4	09/29/1999	3.48	5.58	-2.10	0.00	0.00	-	-	-	-	1,380	<5.0	<5.0	<5.0	<5.0	11,700	-	-	-	-	-	-
MW-4	12/08/1999	3.48	5.33	-1.85	0.00	0.00	-	-	-	-	318	<0.5	<0.5	<0.5	<0.5	11,100	-	-	-	-	-	-
MW-4	03/01/2000	3.48	5.20	-1.72	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	9,940	-	-	-	-	-	-
MW-4	06/19/2000	3.48	5.36	-1.88	0.00	0.00	-	-	-	-	<1,000	220	<10	<10	<10	7,300	9,500 ²	<25,000	<5,000	<100	<100	1,100
MW-4	09/30/2000	3.48	3.77	-0.29	0.00	0.00	-	-	-	-	740 ¹	<2.5	<2.5	<2.5	<2.5	6,000	7,800 ²	-	-	-	-	-
MW-4	10/05/2000	3.48	3.86	-0.38	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	12/08/2000	9.48	4.45	5.03	0.00	0.00	-	-	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	6,230	-	-	-	-	-	-
MW-4	03/03/2001 ¹¹	9.48	3.83	5.65	0.00	0.00	-	-	-	-	<250	<2.5	<2.5	<2.5	<2.5	3,600	-	-	-	-	-	-
MW-4	06/19/2001	9.48	3.37	6.11	0.00	0.00	-	-	-	-	<500	140	<5.0	<5.0	<5.0	2,500	-	-	-	-	-	-
MW-4	09/05/2001	9.48	3.96	5.52	0.00	0.00	-	-	-	-	400	<0.50	<0.50	<0.50	<1.5	2,800	-	-	-	-	-	-
MW-4	12/10/2001	9.48	5.05	4.43	0.00	0.00	-	-	-	-	700	<0.50	<0.50	<0.50	<1.5	3,400	-	-	-	-	-	-
MW-4	03/04/2002	9.48	3.67	5.81	0.00	0.00	-	-	-	-	660	<0.50	<0.50	<0.50	<1.5	2,900	-	-	-	-	-	-
MW-4	06/03/2002	9.48	5.24	4.24	0.00	0.00	-	-	-	-	610	<0.50	<0.50	<0.50	<1.5	3,000	-	-	-	-	-	-
MW-4	09/14/2002	9.48	5.22	4.26	0.00	0.00	-	-	-	-	490	<10	<1.0	<1.0	<3.0	2,400	-	-	-	-	-	-
MW-4	12/13/2002	9.48	4.67	4.81	0.00	0.00	-	-	-	-	440	<0.50	<0.50	<0.50	<1.5	2,200	-	-	-	-	-	-
MW-4	03/14/2003	9.48	4.64	4.84	0.00	0.00	-	-	-	-	490	<0.50	<0.50	<0.50	<1.5	2,600	-	-	-	-	-	-
MW-4	06/09/2003 ¹³	9.48	5.03	4.45	0.00	0.00	-	-	-	-	340	<0.5	<0.5	<0.5	<0.5	-	1,700	-	-	-	-	-
MW-4	09/03/2003 ¹³	9.48	5.65	3.83	0.00	0.00	-	-	-	-	320	<1	<1	<1	<1	-	1,600	<130	-	-	-	-
MW-4	12/01/2003 ¹³	9.48	4.97	4.51	0.00	0.00	-	-	-	-	350	<1	<1	<1	<1	-	1,700	<100	-	-	-	-
MW-4	03/01/2004 ¹³	9.48	4.68	4.80	0.00	0.00	-	-	-	-	240	<0.5	<0.5	<0.5	<0.5	-	1,200	<50	-	-	-	-
MW-4	06/02/2004 ¹³	9.48	4.93	4.55	0.00	0.00	-	-	-	-	240	<0.5	<0.5	<0.5	<0.5	-	1,600	<50	-	-	-	-

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 CHEVRON SERVICE STATION 91851
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Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
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	09/03/2004 ¹³	9.48	4.99	4.49	0.00	0.00	-	-	-	-	270	<1	<1	<1	<1	-	1,500	<100	-	-	-	-
MW-4	12/20/2004 ¹³	9.48	4.18	5.30	0.00	0.00	-	-	-	-	230	<3	<3	<3	<3	-	1,900	<250	-	-	-	-
MW-4	03/12/2005 ¹³	9.48	5.32	4.16	0.00	0.00	-	-	-	-	180	<1	<1	<1	<1	-	1,200	<100	-	-	-	-
MW-4	06/28/2005 ¹³	9.48	5.26	4.22	0.00	0.00	-	-	-	-	180	<0.5	<0.5	<0.5	<0.5	-	920	<50	-	-	-	-
MW-4	09/01/2005 ¹³	9.48	4.91	4.57	0.00	0.00	-	-	-	-	250	<1	<1	<1	<1	-	1,500	<100	-	-	-	-
MW-4	12/01/2005 ¹³	9.48	4.88	4.60	0.00	0.00	-	-	-	-	61	<0.5	<0.5	<0.5	<0.5	-	260	<50	-	-	-	-
MW-4	03/04/2006 ¹³	9.48	5.02	4.46	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	80	<50	-	-	-	-
MW-4	06/01/2006 ¹³	9.48	4.23	5.25	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	51	<50	-	-	-	-
MW-4	09/01/2006 ¹³	9.48	5.36	4.12	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	29	<50	-	-	-	-
MW-4	12/15/2006 ¹³	9.48	4.94	4.54	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	19	<50	-	-	-	-
MW-4	03/15/2007 ¹³	9.48	5.02	4.46	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	18	<50	-	-	-	-
MW-4	06/15/2007 ¹³	9.48	5.00	4.48	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	16	<50	-	-	-	-
MW-4	09/06/2007 ¹³	9.48	4.97	4.51	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	9	<50	-	-	-	-
MW-4	12/07/2007 ¹³	9.48	4.51	4.97	0.00	0.00	-	-	-	-	<250 ¹⁷	<0.5	<0.5	<0.5	<0.5	-	15	<50	-	-	-	-
MW-4	03/07/2008 ¹³	9.48	4.85	4.63	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	15	<50	-	-	-	-
MW-4	06/24/2008 ¹³	9.48	3.73	5.75	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	15	<50	-	-	-	-
MW-4	09/11/2008 ¹³	9.48	5.71	3.77	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	34	<50	-	-	-	-
MW-4	12/19/2008 ¹³	9.48	4.89	4.59	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	33	<50	-	-	-	-
MW-4	06/01/2009	9.48	4.45	5.03	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	23	<50	-	-	-	-
MW-4	09/30/2009	9.48	4.37	5.11	0.00	0.00	-	-	-	-	<500	<0.5	<0.5	<0.5	<0.5	-	22	<50	-	-	-	-
MW-4	12/10/2009	9.48	9.04	0.44	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	33	<50	-	-	-	-
MW-4	03/08/2010	9.48	4.93	4.55	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	30	<50	-	-	-	-
MW-4	06/06/2010	9.48	4.60	4.88	0.00	0.00	400	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	21	<50	-	-	-	-
MW-4	09/02/2010	9.48	5.00	4.48	0.00	0.00	500	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	17	<50	-	-	-	-
MW-4	12/09/2010	9.48	4.91	4.57	0.00	0.00	370	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	48	<50	-	-	-	-
MW-4	03/23/2011	9.48	5.12	4.36	0.00	0.00	500	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	16	<50	-	-	-	-
MW-4	06/24/2011	9.48	5.33	4.15	0.00	0.00	-	94 J	-	90 J	<50	<0.5	<0.5	<0.5	<0.5	-	16	<50	-	-	-	-

**GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	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-4	09/30/2011	9.48	5.31	4.17	0.00	0.00	-	<39	-	<50	<50	<5	<5	<5	<5	-	13 J	<500	680 J	<5	<5	<5
MW-4	03/16/2012	9.48	4.45	5.03	0.00	0.00	-	<38	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	18	<50	-	-	-	-
MW-4	09/13/2012	9.48	5.00	4.48	0.00	0.00	-	260	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	31	<50	-	-	-	-
MW-4	02/28/2013	9.48	5.30	4.18	0.00	0.00	-	<38	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	15	<50	-	-	-	-
MW-5	10/23/2000 ¹⁰	8.77	4.59	4.18	0.00	0.00	-	-	-	-	<50	<0.500	<0.500	<0.500	<0.500	4.34	-	<1,000	<100	<2.00	<2.00	<2.00
MW-5	12/08/2000	8.77	3.43	5.34	0.00	0.00	-	-	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	11.0	-	-	-	-	-	-
MW-5	03/03/2001 ¹¹	8.77	2.40	6.37	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	24	-	-	-	-	-	-
MW-5	06/19/2001	8.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/05/2001	8.77	3.75	5.02	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	31	-	-	-	-	-	-
MW-5	12/10/2001	8.77	2.79	5.98	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	45	-	-	-	-	-	-
MW-5	03/04/2002	8.77	2.52	6.25	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	29	-	-	-	-	-	-
MW-5	06/03/2002	8.77	3.20	5.57	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	40	-	-	-	-	-	-
MW-5	09/14/2002	8.77	3.85	4.92	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	92	-	-	-	-	-	-
MW-5	12/13/2002	8.77	3.45	5.32	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	32	-	-	-	-	-	-
MW-5	03/14/2003	8.77	2.95	5.82	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	71	-	-	-	-	-	-
MW-5	06/09/2003 ¹³	8.77	3.19	5.58	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	79	-	-	-	-	-
MW-5	09/03/2003 ¹³	8.77	3.79	4.98	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	2	<50	-	-	-	-
MW-5	12/01/2003 ¹³	8.77	3.34	5.43	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	52	<50	-	-	-	-
MW-5	03/01/2004 ¹³	8.77	2.48	6.29	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	120	<50	-	-	-	-
MW-5	06/02/2004 ¹³	8.77	3.11	5.66	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	110	<50	-	-	-	-
MW-5	09/03/2004 ¹³	8.77	5.11	3.66	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	80	<50	-	-	-	-
MW-5	12/20/2004 ¹³	8.77	5.10	3.67	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	62	<50	-	-	-	-
MW-5	03/12/2005 ¹³	8.77	4.71	4.06	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	58	<50	-	-	-	-
MW-5	06/28/2005 ¹³	8.77	4.93	3.84	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	64	<50	-	-	-	-
MW-5	09/01/2005 ¹³	8.77	4.92	3.85	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	61	<50	-	-	-	-
MW-5	12/01/2005 ¹³	8.77	4.81	3.96	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	50	<50	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 91851
 451 HEGENBERGER ROAD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
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	03/04/2006 ¹³	8.77	4.78	3.99	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	49	<50	-	-	-	-
MW-5	06/01/2006 ¹³	8.77	4.89	3.88	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	38	<50	-	-	-	-
MW-5	09/01/2006 ¹³	8.77	4.94	3.83	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	32	<50	-	-	-	-
MW-5	12/15/2006 ¹³	8.77	4.68	4.09	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	26	<50	-	-	-	-
MW-5	03/15/2007 ¹³	8.77	4.88	3.89	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	23	<50	-	-	-	-
MW-5	06/15/2007 ¹³	8.77	4.87	3.90	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	22	<50	-	-	-	-
MW-5	09/06/2007 ¹³	8.77	4.77	4.00	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	17	<50	-	-	-	-
MW-5	12/07/2007 ¹³	8.77	4.99	3.78	0.00	0.00	-	-	-	-	<250 ¹⁷	<0.5	<0.5	<0.5	<0.5	-	22	<50	-	-	-	-
MW-5	03/07/2008 ¹³	8.77	4.89	3.88	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	18	<50	-	-	-	-
MW-5	06/24/2008 ¹³	8.77	5.12	3.65	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	18	<50	-	-	-	-
MW-5	09/11/2008 ¹³	8.77	5.21	3.56	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	18	<50	-	-	-	-
MW-5	12/19/2008 ¹³	8.77	4.98	3.79	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	17	<50	-	-	-	-
MW-5	06/01/2009	8.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/30/2009	8.77	3.45	5.32	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	14	<50	-	-	-	-
MW-5	12/10/2009	8.77	4.76	4.01	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	06/06/2010	8.77	4.93	3.84	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/02/2010	8.77	5.30	3.47	0.00	0.00	190	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	12	<50	-	-	-	-
MW-5	12/09/2010 ^{23,24}	8.77	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	03/23/2011	8.77	-	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	06/24/2011	8.77	4.88	3.89	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/30/2011	8.77	5.22	3.55	0.00	0.00	-	43 J	-	<50	<50	<5	<5	<5	<5	-	8 J	<500	<50	<5	<5	<5
MW-5	03/16/2012	8.77	4.73	4.04	0.00	0.00	-	-	-	58 J	<50	<0.5	<0.5	<0.5	<0.5	-	5	<50	-	-	-	-
MW-5	09/13/2012	8.77	4.90	3.87	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	6	<50	-	-	-	-
MW-5	02/28/2013	8.77	5.08	3.69	0.00	0.00	-	<43	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	6	<50	-	-	-	-
MW-6	10/23/2000 ¹⁰	11.45	7.15	4.30	0.00	0.00	-	-	-	-	<50	<0.500	<0.500	<0.500	<0.500	5.96	-	<1,000	<100	<2.00	<2.00	<2.00
MW-6	12/08/2000	11.45	6.84	4.61	0.00	0.00	-	-	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	8.80	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 91851
 451 HEGENBERGER ROAD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	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	03/03/2001 ¹¹	11.45	6.13	5.32	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	9.0	-	-	-	-	-	-
MW-6	06/19/2001	11.45	5.80	5.65	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-
MW-6	09/05/2001	11.45	5.16	6.29	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
MW-6	12/10/2001	11.45	4.81	6.64	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
MW-6	03/04/2002	11.45	4.16	7.29	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
MW-6	06/03/2002	11.45	5.71	5.74	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
MW-6	09/14/2002	11.45	6.65	4.80	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
MW-6	12/13/2002	11.45	6.39	5.06	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
MW-6	03/14/2003	11.45	6.47	4.98	0.00	0.00	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
MW-6	06/09/2003 ¹³	11.45	6.78	4.67	0.00	0.00	-	-	-	-	<50	<0.5	0.7	<0.5	<0.5	-	1	-	-	-	-	-
MW-6	09/03/2003 ¹³	11.45	7.08	4.37	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	0.8	<50	-	-	-	-
MW-6	12/01/2003 ¹³	11.45	3.57	7.88	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-
MW-6	03/01/2004 ¹³	11.45	3.18	8.27	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	25	<50	-	-	-	-
MW-6	06/02/2004 ¹³	11.45	3.50	7.95	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-
MW-6	09/03/2004 ¹³	11.45	2.17	9.28	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	0.6	<50	-	-	-	-
MW-6	12/20/2004 ¹³	11.45	6.03	5.42	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	0.6	<50	-	-	-	-
MW-6	03/12/2005 ¹³	11.45	5.05	6.40	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-
MW-6	06/28/2005 ¹³	11.45	2.36	9.09	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-
MW-6	09/01/2005 ¹³	11.45	2.87	8.58	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	1	<50	-	-	-	-
MW-6	12/01/2005 ¹³	11.45	2.90	8.55	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-
MW-6	03/04/2006 ¹³	11.45	3.71	7.74	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-
MW-6	06/01/2006 ¹³	11.45	2.57	8.88	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-
MW-6	09/01/2006 ¹³	11.45	2.36	9.09	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	1	<50	-	-	-	-
MW-6	12/15/2006 ¹³	11.45	3.16	8.29	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-
MW-6	03/15/2007 ¹³	11.45	2.42	9.03	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-
MW-6	06/15/2007 ¹³	11.45	3.32	8.13	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-
MW-6	09/06/2007 ¹³	11.45	5.41	6.04	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	0.6	<50	-	-	-	-

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 CHEVRON SERVICE STATION 91851
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Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	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	12/07/2007 ¹³	11.45	5.94	5.51	0.00	0.00	-	-	-	-	<250 ¹⁷	<0.5	<0.5	<0.5	<0.5	-	1	<50	-	-	-	-
MW-6	03/07/2008 ¹³	11.45	6.22	5.23	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-
MW-6	06/24/2008 ¹³	11.45	2.48	8.97	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-
MW-6	09/11/2008 ¹³	11.45	2.57	8.88	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	1	<50	-	-	-	-
MW-6	12/19/2008 ¹³	11.45	3.67	7.78	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	1	<50	-	-	-	-
MW-6	06/01/2009	11.45	5.32	6.13	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	0.9 J	<50	-	-	-	-
MW-6	09/30/2009	11.45	5.32	6.13	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	4	<50	-	-	-	-
MW-6	12/10/2009	11.45	2.54	8.91	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	03/08/2010	11.45	3.30	8.15	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	3	<50	-	-	-	-
MW-6	06/06/2010	11.45	2.42	9.03	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/02/2010	11.45	3.03	8.42	0.00	0.00	110 J	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-
MW-6	12/09/2010 ²³	11.45	2.34	9.11	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	03/23/2011	11.45	2.62	8.83	0.00	0.00	180	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	2	<50	-	-	-	-
MW-6	06/24/2011	11.45	5.11	6.34	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	09/30/2011	11.45	3.86	7.59	0.00	0.00	-	51 J	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	4 J	<50	<5	<0.5	<0.5	0.6 J
MW-6	03/16/2012 ²⁶	11.45	3.69	7.76	0.00	0.00	-	190/66 J	-	78 J/<50	<50/<50	<0.5/<0.5	<0.5/<0.5	<0.5/<0.5	<0.5/<0.5	-	3/<0.5	<50/<50	-	-	-	-
MW-6	09/13/2012	11.45	4.31	7.14	0.00	0.00	-	180	-	180	<50	<0.5	<0.5	<0.5	<0.5	-	6	<50	-	-	-	-
MW-6	02/28/2013	11.45	4.25	7.20	0.00	0.00	-	70 J	-	110 J	<50	<0.5	<0.5	<0.5	<0.5	-	6	<50	-	-	-	-
MW-7	10/23/2000 ¹⁰	10.58	6.25	4.33	0.00	0.00	-	-	-	-	<50	<0.500	<0.500	<0.500	<0.500	1,210	-	<6,670	<667	13.3	13.3	199
MW-7	12/08/2000	10.58	7.23	3.35	0.00	0.00	-	-	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	338	-	-	-	-	-	-
MW-7	03/03/2001 ¹¹	10.58	6.27	4.31	0.00	0.00	-	-	-	-	72 ¹²	<0.50	<0.50	<0.50	<0.50	460	-	-	-	-	-	-
MW-7	06/19/2001	10.58	5.82	4.76	0.00	0.00	-	-	-	-	110 ¹	18	<0.50	<0.50	<0.50	440	-	-	-	-	-	-
MW-7	09/05/2001	10.58	6.54	4.04	0.00	0.00	-	-	-	-	180	<0.50	<0.50	<0.50	<1.5	640	-	-	-	-	-	-
MW-7	12/10/2001	10.58	5.54	5.04	0.00	0.00	-	-	-	-	110	<0.50	<0.50	<0.50	<1.5	390	-	-	-	-	-	-
MW-7	03/04/2002	10.58	6.90	3.68	0.00	0.00	-	-	-	-	220	1.1	<0.50	3.0	<1.5	460	-	-	-	-	-	-
MW-7	06/03/2002	10.58	5.64	4.94	0.00	0.00	-	-	-	-	130	<0.50	<0.50	<0.50	<1.5	350	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 91851
 451 HEGENBERGER ROAD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPL	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
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	09/14/2002	10.58	7.03	3.55	0.00	0.00	-	-	-	-	120	<2.0	<0.50	<0.50	<1.5	340	-	-	-	-	-	-
MW-7	12/13/2002	10.58	5.59	4.99	0.00	0.00	-	-	-	-	57	<0.50	<0.50	<0.50	<1.5	150	-	-	-	-	-	-
MW-7	03/14/2003	10.58	5.98	4.60	0.00	0.00	-	-	-	-	77	<0.50	<0.50	<0.50	<1.5	240	-	-	-	-	-	-
MW-7	06/09/2003 ¹³	10.58	6.26	4.32	0.00	0.00	-	-	-	-	79	<0.5	<0.5	<0.5	<0.5	-	210	-	-	-	-	-
MW-7	09/03/2003 ¹³	10.58	6.86	3.72	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	0.8	<50	-	-	-	-
MW-7	12/01/2003 ¹³	10.58	5.47	5.11	0.00	0.00	-	-	-	-	58	<0.5	<0.5	<0.5	<0.5	-	130	<50	-	-	-	-
MW-7	03/01/2004 ¹³	10.58	5.98	4.60	0.00	0.00	-	-	-	-	71	<0.5	<0.5	<0.5	<0.5	-	180	<50	-	-	-	-
MW-7	06/02/2004 ¹³	10.58	4.81	5.77	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	87	<50	-	-	-	-
MW-7	09/03/2004 ¹³	10.58	6.42	4.16	0.00	0.00	-	-	-	-	55	<0.5	<0.5	<0.5	<0.5	-	140	<50	-	-	-	-
MW-7	12/20/2004 ¹³	10.58	6.22	4.36	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	130	<50	-	-	-	-
MW-7	03/12/2005 ¹³	10.58	5.79	4.79	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	110	<50	-	-	-	-
MW-7	06/28/2005 ¹³	10.58	4.62	5.96	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	30	<50	-	-	-	-
MW-7	09/01/2005 ¹³	10.58	4.78	5.80	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	70	<50	-	-	-	-
MW-7	12/01/2005 ¹³	10.58	4.01	6.57	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	35	<50	-	-	-	-
MW-7	03/04/2006 ¹³	10.58	5.89	4.69	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	49	<50	-	-	-	-
MW-7	06/01/2006 ¹³	10.58	5.10	5.48	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	35	<50	-	-	-	-
MW-7	09/01/2006 ¹³	10.58	5.31	5.27	0.00	0.00	-	-	-	-	<50	0.5	5	<0.5	5	-	17	<50	-	-	-	-
MW-7	12/15/2006 ¹³	10.58	5.89	4.69	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	20	<50	-	-	-	-
MW-7	03/15/2007 ¹³	10.58	5.67	4.91	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	19	<50	-	-	-	-
MW-7	06/15/2007 ¹³	10.58	5.05	5.53	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	12	<50	-	-	-	-
MW-7	09/06/2007 ¹³	10.58	5.42	5.16	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	14	<50	-	-	-	-
MW-7	12/07/2007 ¹³	10.58	5.38	5.20	0.00	0.00	-	-	-	-	<250 ¹⁷	<0.5	<0.5	<0.5	<0.5	-	8	<50	-	-	-	-
MW-7	03/07/2008 ¹³	10.58	5.54	5.04	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	8	<50	-	-	-	-
MW-7	06/24/2008 ¹³	10.58	6.10	4.48	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	9	<50	-	-	-	-
MW-7	09/11/2008 ¹³	10.58	6.86	3.72	0.00	0.00	-	-	-	-	99	<0.5	<0.5	<0.5	<0.5	-	16	<50	-	-	-	-
MW-7	12/19/2008 ¹³	10.58	6.54	4.04	0.00	0.00	-	-	-	-	<50	<0.5	0.7	<0.5	1	-	9	<50	-	-	-	-
MW-7	06/01/2009	10.58	4.10	6.48	0.00	0.00	-	-	-	-	70 J	<0.5	<0.5	<0.5	<0.5	-	9	<50	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 91851
 451 HEGENBERGER ROAD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	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-7	09/30/2009	10.58	3.11	7.47	0.00	0.00	-	-	-	-	110	<0.5	<0.5	<0.5	<0.5	-	11	<50	-	-	-	-
MW-7	12/10/2009	10.58	6.93	3.65	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/08/2010	10.58	5.70	4.88	0.00	0.00	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	7	<50	-	-	-	-
MW-7	06/06/2010	10.58	5.56	5.02	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/02/2010	10.58	5.87	4.71	0.00	0.00	390	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	7	<50	-	-	-	-
MW-7	12/09/2010 ²³	10.58	5.44	5.14	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	03/23/2011	10.58	4.64	5.94	0.00	0.00	480	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	4	<50	-	-	-	-
MW-7	06/24/2011	10.58	5.70	4.88	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	09/30/2011	10.58	6.60	3.98	0.00	0.00	-	48 J	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	6	<50	81	<0.5	<0.5	0.7 J
MW-7	03/16/2012	10.58	5.93	4.65	0.00	0.00	-	<38	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	5	<50	-	-	-	-
MW-7	09/13/2012	10.58	6.16	4.42	0.00	0.00	-	54 J	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	3	<50	-	-	-	-
MW-7	02/28/2013²⁷											Monitoring well destroyed										
QA	12/10/2001	-	-	-	-	-	-	-	-	-	<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	06/03/2002	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
QA	09/14/2002	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
QA	12/13/2002	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
QA	03/14/2003	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-
QA	06/09/2003 ¹³	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	09/03/2003 ¹³	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	12/01/2003 ¹³	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	03/01/2004 ¹³	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	06/02/2004 ¹³	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	09/03/2004 ¹³	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	12/20/2004 ¹³	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	03/12/2005 ¹³	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-

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 CHEVRON SERVICE STATION 91851
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Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	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
QA	06/28/2005 ¹³	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	09/01/2005 ¹³	-	-	-	-	-	-	-	-	-	<50	<0.5	315 ¹⁵	<0.5	215 ¹⁵	-	<0.5	-	-	-	-	-
QA	12/01/2005 ¹³	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	03/04/2006 ¹³	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	06/01/2006 ¹³	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	09/01/2006 ¹³	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	12/15/2006 ¹³	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	03/15/2007 ¹³	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	06/15/2007 ¹³	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	09/06/2007 ¹³	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	12/07/2007 ¹³	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	03/07/2008 ¹³	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	06/24/2008 ¹³	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	09/11/2008 ¹³	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	12/19/2008 ¹³	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	06/01/2009	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	09/30/2009	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	12/10/2009	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	03/08/2010	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	06/06/2010	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	09/02/2010	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	12/09/2010	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	03/23/2011	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	06/24/2011	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	09/30/2011	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	03/16/2012	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-
QA	09/13/2012	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	-	-	-	-	-

GROUNDWATER MONITORING AND SAMPLING DATA
 CHEVRON SERVICE STATION 91851
 451 HEGENBERGER ROAD
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
	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
QA	02/28/2013	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<0.5	<50	-	-	-	-
Trip Blank	03/29/1996	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	06/26/1996	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-
Trip Blank	09/25/1996	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-
Trip Blank	12/17/1996	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-
Trip Blank	03/20/1997	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-
Trip Blank	06/20/1997	-	-	-	-	-	-	-	-	-	<50	<2.0	<2.0	<2.0	<2.0	-	-	-	-	-	-	-
Trip Blank	09/09/1997	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-
Trip Blank	12/12/1997	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-
Trip Blank	02/19/1998	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-
Trip Blank	06/23/1998	-	-	-	-	-	-	-	-	-	<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	12/29/1998	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.0	-	-	-	-	-	-
Trip Blank	03/11/1999	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-
Trip Blank	06/24/1999	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-
Trip Blank	09/29/1999	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-
Trip Blank	12/08/1999	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-
Trip Blank	03/01/2000	-	-	-	-	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-
Trip Blank	06/19/2000	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-
Trip Blank	09/30/2000	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-
Trip Blank	10/05/2000	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-
Trip Blank	12/08/2000	-	-	-	-	-	-	-	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	-	-	-	-	-	-
Trip Blank	03/03/2001 ¹¹	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-
Trip Blank	06/19/2001	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-
Trip Blank	09/05/2001	-	-	-	-	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-

**GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS						
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME	
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

Abbreviations and Notes:

TOC = Top of casing.

DTW = Depth to water.

GWE = Groundwater Elevation.

LNAPLT = Light non-aqueous phase liquid thickness.

TPH-DRO = Total petroleum hydrocarbons - diesel range organics.

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics.

VOCS = Volatile Organic Compounds

BTEX = Benzene, toluene, ethylbenzene, xylenes.

MTBE = Methyl tertiary butyl ether.

TBA = Tertiary butyl alcohol.

DIPE = Di-isopropyl ether.

ETBE = Ethyl tertiary butyl ether.

TAME = Tert amyl methyl ether.

Ft = Feet.

Ft-amsl = Feet above mean sea level.

Gal = Gallons.

µg/L = Micrograms per liter.

- = Not analyzed/not applicable.

<x = Not detected above laboratory method detection limit x.

J = Estimated value.

* TOC elevations were surveyed on November 15, 2000, by Virgil Chavez Land Surveying. The benchmark for the survey was the letter "O" in Oakland on an inlet in the westerly curb of Oakport Road, 150' southerly of the end of curve. (Benchmark Elevation = 7.82 feet, msl).

** GWE was corrected for the presence of LNAPL; correction factor: [(TOC - DTW) + (LNAPLT x 0.80)].

1 Laboratory report indicates gasoline C6-C12.

2 MTBE by EPA Method 8260.

3 Results of EPA 8010 test indicates that the detection of 1,1-Dichloroethane (1,1-DCA) was detected at 1.7 ppb.

4 Chromatogram pattern indicates an unidentified hydrocarbon.

5 Results of EPA 8015 test indicates that levels of Methanol and Methyl ethyl ketone are respectively <1000 and <200 ppb.

6 Confirmation run.

7 Laboratory report indicates unidentified hydrocarbons >C16.

**GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 91851
451 HEGENBERGER ROAD
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	LNAPLT	LNAPL REMOVED	HYDROCARBONS					PRIMARY VOCS					ADDITIONAL VOCS					
							Motor Oil	Motor Oil w/ Si Gel	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE	MTBE by SW8260	Ethanol	TBA	DIPE	ETBE	TAME
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

8 Sample analyzed for Total Metals by EPA 200 Series Methods. All Analytes were less than the reporting limit except for Nickel was detected at 0.067 ppm and Zinc was detected at 0.024 ppm.

9 Laboratory report indicates that Semi-Volatile Organic Compounds

10 Data was provided by Delta Environmental Consultants, Inc.

11 Laboratory report indicates sample was analyzed outside the EPA recommended holding time.

12 Laboratory report indicates unidentified hydrocarbons C6-C12.

13 BTEX and MTBE by EPA Method 8260.

14 LNAPL + Water removed.

15 Analytical result confirmed.

16 Probe did not detect LNAPL but was covered with product; LNAPL was confirmed with bailer.

17 Laboratory report indicates due to excessive foaming of the sample, normal reporting limits were not attained.

18 Water plus 15 milliliters of product removed from well.

19 The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis, pH = 7.

20 Due to excessive foaming of the sample, normal reporting limits were not attained.

21 Laboratory report indicates the result reported for xylene (total) is possibly the result of carryover from the sample injected prior to this sample. Since only one vial was submitted, a repeat analysis without headspace could not be performed to confirm the results.

22 Not sampled due to presence of LNAPL.

23 Sampled semi-annually.

24 Inaccessible - car parked over well.

25 Monitoring and sampling occurred on 06/10/2010; however, the sample collection date was incorrectly written on the COC.

26 Pre-purge / post purge samples

27 Monitoring well destroyed

ATTACHMENT A

MONITORING DATA PACKAGE



March 6, 2013

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

First Quarter 2013 Monitoring at
Chevron Service Station 91851
451 Hegenberger Rd.
Oakland, CA

Monitoring performed on February 28, 2013

Blaine Tech Services, Inc. Groundwater Monitoring Event 130228-WW1

This submission covers the routine monitoring of groundwater wells conducted on February 28, 2013 at this location. Four monitoring wells were measured for depth to groundwater (DTW). Four monitoring wells were sampled. All sampling activities were performed in accordance with local, state and federal guidelines.

Water levels measurements were collected using an electronic slope indicator. All sampled wells were purged of three case volumes, depending on well recovery, or until water temperature, pH and conductivity stabilized. Purging was accomplished using electric submersible pumps, positive air displacement pumps, or stainless steel, Teflon, or disposable bailers. Subsequent sample collection and sample handling was performed in accordance with EPA protocols. 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 91851, 451 Hegenberger Rd., 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

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

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

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

Please call if you have any questions.

Sincerely,



Dustin Becker
Blaine Tech Services, Inc.
Senior Project Manager

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

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

First Quarter Groundwater Monitoring at Chevron 91851, 451 Hegenberger Rd., 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.

SAMPLING PROCEDURES OVERVIEW

SAFETY

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

INSPECTION AND GAUGING

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

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

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

TRADITIONAL PURGING & SAMPLING

Evacuation

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

Well purging devices are selected on the basis of the well diameter and the total volume to be evacuated. In most cases the well will be purged using an electric submersible pump (i.e. Grundfos) suspended near (but not touching) the bottom of the well.

Parameter Stabilization

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

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

Sample Collection

All samples are collected using disposable bailers.

Sample Containers

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

Dewatered Wells

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

Measuring Recharge

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

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

Dissolved Oxygen Measurements

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

The YSI meters are able to collect accurate in-situ readings. The probe allows downhole measurements to be taken from wells with diameters as small as two inches. The probe and reel is decontaminated between wells as described above. The meter is calibrated

as per the instructions in the operating manual. The probe is lowered into the water column and the reading is allowed to stabilize prior to collection.

Oxidation Reduction Potential Measurements (ORP)

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

LOW FLOW SAMPLING USING SAMPLE-PRO BLADDER PUMP

Calibration

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

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

Purging & Sampling Collection

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

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

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

PURGEWATER CONTAINMENT

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

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

TRIP BLANKS

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

DUPLICATES

Duplicates, if requested, may be collected at a site.

SAMPLE STORAGE

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

DOCUMENTATION CONVENTIONS

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

DECONTAMINATION

All equipment is brought to the site in clean and serviceable condition and is cleaned after use in each well and before subsequent use in any other well. Equipment such as hose reels, pumps and bailers is decontaminated before leaving the site.

The primary decontamination device is a commercial steam cleaner. The steam cleaner is de-tuned to function as a hot pressure washer that is then operated with high quality deionized water that is produced at our facility and stored onboard our sampling vehicle. Cleaning is

facilitated by the use of proprietary fixtures and devices included in the patented workstation (U.S. Patent 5,535,775) that is incorporated in each sampling vehicle.

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

FERROUS IRON MEASUREMENTS

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

CHEVRON WELL MONITORING DATA SHEET

Project #: 130228 WW1	Station #: 9-1851
Sampler: WW	Date: 2/28/13
Weather: sunny	Ambient Air Temperature: 69.4°F
Well I.D.: MW-4	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: 14.24	Depth to Water: 5.30
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]: 7.09	

Purge Method: Bailer Waterra Disposable Bailer Peristaltic Extraction Pump Other _____

Sampling Method: Bailer Disposable Bailer Extraction Port Dedicated Tubing Other _____

1.4 (Gals.) X 3 = 4.2 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 ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1242	67.1	7.83	2195	47	1.4	
1244	66.7	7.24	4483	19	2.8	
1247	67.2	7.04	4931	26	4.2	

Did well dewater? Yes No Gallons actually evacuated: 4.2

Sampling Date: 2/28/13 Sampling Time: 1355 Depth to Water: 9.82 SITE DEPT

Sample I.D.: MW-4 Laboratory: Lancaster Other _____

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

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 #: 130228-ww1	Station #: 4-1851
Sampler: ww	Date: 2/28/13
Weather: sunny	Ambient Air Temperature: 72.7°F
Well I.D.: MW-5	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: 7.09	Depth to Water: 5.8
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]: 5.48	

Purge Method:

Sampling Method: Bailer

Bailer

Waterra

Disposable Bailer

Peristaltic

Positive Air Displacement

Extraction Pump

Electric Submersible

Other _____

Disposable Bailer

Extraction Port

Dedicated Tubing

Other: _____

0.3 (Gals.) X	3	= 0.9 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 ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1232	65.1	7.05	7880	131	0.3	yellow, methane odor below
WELL DEWATERED @ 0.3 GALS						
1340	67.3	7.10	7912	359	—	
DEWATER DURING SAMPLING. (6 HCU VOLS + 2 (500ml) ABB + 1 (1L) ABB						
Did well dewater? <u>Yes</u>		No		Gallons actually evacuated: 0.3		
Sampling Date: 2/28/13		Sampling Time: 1340		Depth to Water: 5.76 SITE DEPART		
Sample I.D.: MW-5				Laboratory: <u>Lancaster</u> Other _____		
Analyzed for: TPH-G BTEX MTBE OXYS Other: <u>See SOW</u>						
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 #: 130228-ww1	Station #: 9-1851
Sampler: WW	Date: 2/28/13
Weather: Sunny	Ambient Air Temperature: 74.9 °F
Well I.D.: MW-6	Well Diameter: ② 3 4 6 8
Total Well Depth: 9.23	Depth to Water: 4.25
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]: 5.25	

Purge Method:

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

Sampling Method:

- Bailer
 Disposable Bailer
 Extraction Port
 Dedicated Tubing
 Other: _____

0.8	(Gals.) X	3	=	2.4	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 ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
12:15	63.8	7.48	1822	390	0.8	
12:17	63.8	6.98	2625	946	1.6	
WELL DEWATERED @ 1.6 GALS						
						DEWATER DURING SAMPLING.
13:25	69.2	7.91	3055	>1000	—	6 HCL VIALS + 2 (500) mL AGG + 1 (1L) AGG.

Did well dewater? Yes No Gallons actually evacuated: 1.6

Sampling Date: 2/28/13 Sampling Time: 13:25 Depth to Water: 7.44 SITE DEPART

Sample I.D.: MW-6 Laboratory: Lancaster Other _____

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

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

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

CHAIN OF CUSTODY FORM

Chevron Environmental Management Company ■ 6111 Bollinger Canyon Rd. ■ San Ramon, CA 94583 COC 1 of 1

Chevron Site Number: 91851
 Chevron Site Global ID: T060012238
 Chevron Site Address: 451 Hegenberger Rd.,
 Oakland, CA
 Chevron PM: CATALINA DEVINE
 Chevron PM Phone No.: (925)790-3949
 Retail and Terminal Business Unit (RTBU) Job
 Construction/Retail Job

Chevron Consultant: CRA
 Address: 5900 Hollis St. Suite A Emeryville,
 CA Consultant Contact: Nathan Lee
 Consultant Phone No. 510-420-3351
 Consultant Project No. _____
 Sampling Company: Blaine Tech Services
 Sampled By (Print): WILLIAM WONG
 Sampler Signature: *[Signature]*

ANALYSES REQUIRED											
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										
EPA 8260B/GC/MS TPH-GC	BTEX	MIBET	OXYGENATES	HVQC							
EPA 8015B	GRO	DRO	ORO	HC-SCREEN							
EPA 8021B	BTEX	MTBE									
EPA 6010	Ca, Fe, K, Mg, Mn, Na										
EPA 6010/7000	TITLE 22 METALS	TLC	STLC								
EPA 150.1	PH										
SM2510B	SPECIFIC CONDUCTIVITY										
EPA 418.1	TRPH										
EPA 8260	ETHANOL										
EPA 8015	TPH-D										
	TPH-MO										

Preservation Codes
 H = HCL T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

Charge Code: NWRWB-0091851-0-OML
 NWRWB 00SITE NUMBER-0- WBS
(WBS ELEMENTS:
 SITE ASSESSMENT: A1L REMEDIATION IMPLEMENTATION: R5L
 SITE MONITORING: OML OPERATION MAINTENANCE & MONITORING: M1L
 THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT
 CORRECTLY AND COMPLETELY.

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

Other Lab	Temp. Blank Check Time	Temp.
	1025	1°C
	1225	2°C
	1425	2°C

Special Instructions
 Must meet lowest detection limits possible for 8260 Compounds, Run TPHmo and DRO with Silica Gel Clean Up

SAMPLE ID				Sample Time	# of Containers	Container Type	ANALYSES REQUIRED												Notes/Comments										
Field Point Name	Matrix	Top Depth	Date (yyymmdd)				EPA 8260B/GC/MS TPH-GC	BTEX	MIBET	OXYGENATES	HVQC	EPA 8015B GRO	DRO	ORO	HC-SCREEN	EPA 8021B BTEX	MTBE	EPA 6010 Ca, Fe, K, Mg, Mn, Na		EPA 6010/7000 TITLE 22 METALS	TLC	STLC	EPA 150.1 PH	SM2510B SPECIFIC CONDUCTIVITY	EPA 418.1 TRPH	EPA 8260 ETHANOL	EPA 8015 TPH-D	TPH-MO	
MW-1	W		130228	1205	10	Mixed	X	X																					
MW-4	↓		↓	1355	10	↓	X	X																					
MW-5	↓		↓	1340	9	↓	X	X																					
MW-6	↓		↓	1325	9	↓	X	X																					
QA	↓		↓	1025	2	HCl vials	X	X																					

Relinquished By: <i>[Signature]</i>	Company: BLAINE TECH SERVICES	Date/Time: 2/28/13 1510	Relinquished To: <i>[Signature]</i>	Company: LL	Date/Time: 2/28/13 1510
Relinquished By: <i>[Signature]</i>	Company: LL	Date/Time: 2/28/13	Relinquished To: <i>[Signature]</i>	Company: LL	Date/Time: 2/28/13
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 # _____

WELLHEAD INSPECTION CHECKLIST

Client CHEVRON Date 2/28/13

Site Address 451 WIGGENDER RD, OAKLAND, CA

Job Number 130222-MW1 Technician WV

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

NOTES: MW-1: LID CRACKED (8") BOARD LONG YEAR. 3/3 TABS STRIPPED.
MW-4: 1/2 BOLTS REPLACED (9/16"). 2/2 TABS STRIPPED (9/16").

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:

9-1851 CATALINA DEVINE
 CHEVRON # Chevron Engineer
 451 HEGENBERGER RD, MILLBRAE CA
 street number street name city state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-1	5.1	/	
MW-4	4.2	/	
MW-5	0.3	/	
MW-6	1.6	/	
/		/	
/		/	
/		/	
/		/	
added equip.		any other	
rinse water	2.8	adjustments	/
TOTAL GALS.		loaded onto	
RECOVERED	14	BTS vehicle #	76
BTS event #	time	date	
130228-WW1	1525	2/28/13	
Transporter signature	<u>[Signature]</u>		

REC'D AT	time	date	
BTS-55	1615	2/28/13	
Unloaded/received by	signature <u>[Signature]</u>		

ATTACHMENT B

LABORATORY ANALYTICAL REPORT

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

March 14, 2013

Project: 91851

Submittal Date: 03/01/2013

Group Number: 1372548

PO Number: 0015119899

Release Number: ESPINO DEVINE

State of Sample Origin: CA

Client Sample Description

MW-1-W-130228 NA Water
MW-4-W-130228 NA Water
MW-5-W-130228 NA Water
MW-6-W-130228 NA Water
QA-T-130228 NA Water

Lancaster Labs (LLI) #

6970240
6970241
6970242
6970243
6970244

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

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

Respectfully Submitted,



Jill M. Parker
Senior Specialist

(717) 556-7262

Sample Description: MW-1-W-130228 NA Water
Facility# 91851 BTST
451 Hegenberger-Oakland T0600102238

LLI Sample # WW 6970240
LLI Group # 1372548
Account # 10991

Project Name: 91851

Collected: 02/28/2013 12:05 by WW

Chevron

6001 Bollinger Canyon Rd L4310

Submitted: 03/01/2013 16:25

San Ramon CA 94583

Reported: 03/14/2013 09:38

HRO01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B						
10943	Benzene	71-43-2	N.D.	0.5	1	1
10943	Ethanol	64-17-5	N.D.	50	250	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	2	0.5	1	1
10943	Toluene	108-88-3	N.D.	0.5	1	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
GC Volatiles SW-846 8015B						
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1
GC Petroleum SW-846 8015B						
Hydrocarbons w/Si						
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	100	1
The reverse surrogate, capric acid, is present at <1%.						
GC Petroleum SW-846 8015B modified						
Hydrocarbons w/Si						
10006	Motor Oil C16-C36 w/Si Gel	n.a.	N.D.	38	120	1
10006	Total TPH w/Si Gel	n.a.	N.D.	38	120	1
TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
The reverse surrogate, capric acid, is present at <1%.						

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	P130651AA	03/06/2013 12:23	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130651AA	03/06/2013 12:23	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13063A07A	03/05/2013 15:38	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13063A07A	03/05/2013 15:38	Catherine J Schwarz	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130630020A	03/07/2013 12:18	Michele D Hamilton	1
10006	TPH Fuels water w/Si Gel	SW-846 8015B modified	1	130630008A	03/08/2013 15:19	Robert Brown	1

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

Sample Description: MW-1-W-130228 NA Water
 Facility# 91851 BTST
 451 Hegenberger-Oakland T0600102238

LLI Sample # WW 6970240
 LLI Group # 1372548
 Account # 10991

Project Name: 91851

Collected: 02/28/2013 12:05 by WW

Chevron

6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

Submitted: 03/01/2013 16:25

Reported: 03/14/2013 09:38

HRO01

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	130630020A	03/05/2013 10:15	Elizabeth A Sholder	1
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	130630008A	03/04/2013 20:50	Karen L Beyer	1

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

Sample Description: MW-4-W-130228 NA Water
Facility# 91851 BTST
451 Hegenberger-Oakland T0600102238

LLI Sample # WW 6970241
LLI Group # 1372548
Account # 10991

Project Name: 91851

Collected: 02/28/2013 13:55 by WW

Chevron

6001 Bollinger Canyon Rd L4310

Submitted: 03/01/2013 16:25

San Ramon CA 94583

Reported: 03/14/2013 09:38

HRO04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B						
10943	Benzene	71-43-2	N.D.	0.5	1	1
10943	Ethanol	64-17-5	N.D.	50	250	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	15	0.5	1	1
10943	Toluene	108-88-3	N.D.	0.5	1	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
GC Volatiles SW-846 8015B						
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1
GC Petroleum SW-846 8015B						
Hydrocarbons w/Si						
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%.						
GC Petroleum SW-846 8015B modified						
Hydrocarbons w/Si						
10006	Motor Oil C16-C36 w/Si Gel	n.a.	N.D.	38	120	1
10006	Total TPH w/Si Gel	n.a.	N.D.	38	120	1
TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
The reverse surrogate, capric acid, is present at <1%.						

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	P130651AA	03/06/2013 13:46	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130651AA	03/06/2013 13:46	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13063A07A	03/05/2013 16:04	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13063A07A	03/05/2013 16:04	Catherine J Schwarz	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130630020A	03/07/2013 12:41	Michele D Hamilton	1
10006	TPH Fuels water w/Si Gel	SW-846 8015B modified	1	130630008A	03/08/2013 15:40	Robert Brown	1

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

Sample Description: MW-4-W-130228 NA Water
 Facility# 91851 BTST
 451 Hegenberger-Oakland T0600102238

LLI Sample # WW 6970241
 LLI Group # 1372548
 Account # 10991

Project Name: 91851

Collected: 02/28/2013 13:55 by WW

Chevron

6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

Submitted: 03/01/2013 16:25

Reported: 03/14/2013 09:38

HRO04

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	130630020A	03/05/2013 10:15	Elizabeth A Sholder	1
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	130630008A	03/04/2013 20:50	Karen L Beyer	1

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

Sample Description: MW-5-W-130228 NA Water
Facility# 91851 BTST
451 Hegenberger-Oakland T0600102238

LLI Sample # WW 6970242
LLI Group # 1372548
Account # 10991

Project Name: 91851

Collected: 02/28/2013 13:40 by WW

Chevron

6001 Bollinger Canyon Rd L4310

Submitted: 03/01/2013 16:25

San Ramon CA 94583

Reported: 03/14/2013 09:38

HRO05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B						
10943	Benzene	71-43-2	N.D.	0.5	1	1
10943	Ethanol	64-17-5	N.D.	50	250	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	6	0.5	1	1
10943	Toluene	108-88-3	N.D.	0.5	1	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
GC Volatiles SW-846 8015B						
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1
GC Petroleum SW-846 8015B						
Hydrocarbons w/Si						
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%.						
GC Petroleum SW-846 8015B modified						
Hydrocarbons w/Si						
10006	Motor Oil C16-C36 w/Si Gel	n.a.	N.D.	43	130	1
10006	Total TPH w/Si Gel	n.a.	N.D.	43	130	1
TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
The reverse surrogate, capric acid, is present at <1%.						

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	P130651AA	03/06/2013 14:14	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130651AA	03/06/2013 14:14	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13063A07A	03/05/2013 16:31	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13063A07A	03/05/2013 16:31	Catherine J Schwarz	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	130630020A	03/07/2013 13:03	Michele D Hamilton	1
10006	TPH Fuels water w/Si Gel	SW-846 8015B modified	1	130630008A	03/08/2013 16:00	Robert Brown	1

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

Sample Description: MW-5-W-130228 NA Water
 Facility# 91851 BTST
 451 Hegenberger-Oakland T0600102238

LLI Sample # WW 6970242
 LLI Group # 1372548
 Account # 10991

Project Name: 91851

Collected: 02/28/2013 13:40 by WW

Chevron

6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

Submitted: 03/01/2013 16:25

Reported: 03/14/2013 09:38

HRO05

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	130630020A	03/05/2013 10:15	Elizabeth A Sholder	1
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	130630008A	03/04/2013 20:50	Karen L Beyer	1

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

Sample Description: MW-6-W-130228 NA Water
Facility# 91851 BTST
451 Hegenberger-Oakland T0600102238

LLI Sample # WW 6970243
LLI Group # 1372548
Account # 10991

Project Name: 91851

Collected: 02/28/2013 13:25 by WW

Chevron

6001 Bollinger Canyon Rd L4310

Submitted: 03/01/2013 16:25

San Ramon CA 94583

Reported: 03/14/2013 09:38

HRO06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B						
10943	Benzene	71-43-2	N.D.	0.5	1	1
10943	Ethanol	64-17-5	N.D.	50	250	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	6	0.5	1	1
10943	Toluene	108-88-3	N.D.	0.5	1	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
GC Volatiles SW-846 8015B						
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1
GC Petroleum SW-846 8015B						
Hydrocarbons w/Si						
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	110	J 50	110	1
The reverse surrogate, capric acid, is present at <1%.						
GC Petroleum SW-846 8015B modified						
Hydrocarbons w/Si						
10006	Motor Oil C16-C36 w/Si Gel	n.a.	70	J 40	120	1
10006	Total TPH w/Si Gel	n.a.	70	J 40	120	1
TPH quantitation is based on peak area comparison of the sample pattern to that of a hydrocarbon component mix calibration in a range that includes C8 (n-octane) through C40 (n-tetracontane) normal hydrocarbons.						
The reverse surrogate, capric acid, is present at <1%.						

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	P130651AA	03/06/2013 14:41	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130651AA	03/06/2013 14:41	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13063A07A	03/05/2013 16:56	Catherine J Schwarz	1
01146	GC VOA Water Prep	SW-846 5030B	1	13063A07A	03/05/2013 16:56	Catherine J Schwarz	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	2	130630020A	03/07/2013 18:18	Christine E Dolman	1
10006	TPH Fuels water w/Si Gel	SW-846 8015B modified	1	130630008A	03/08/2013 16:21	Robert Brown	1

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

Sample Description: MW-6-W-130228 NA Water
 Facility# 91851 BTST
 451 Hegenberger-Oakland T0600102238

LLI Sample # WW 6970243
 LLI Group # 1372548
 Account # 10991

Project Name: 91851

Collected: 02/28/2013 13:25 by WW

Chevron

6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

Submitted: 03/01/2013 16:25

Reported: 03/14/2013 09:38

HRO06

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11180	Low Vol Ext (W) w/SG	SW-846 3510C	1	130630020A	03/05/2013 10:15	Elizabeth A Sholder	1
11195	TPH w/ Silica Gel Waters Ext.	SW-846 3510C	1	130630008A	03/04/2013 20:50	Karen L Beyer	1

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

Sample Description: QA-T-130228 NA Water
Facility# 91851 BTST
451 Hegenberger-Oakland T0600102238

LLI Sample # WW 6970244
LLI Group # 1372548
Account # 10991

Project Name: 91851

Collected: 02/28/2013 10:25

Chevron

Submitted: 03/01/2013 16:25

6001 Bollinger Canyon Rd L4310

Reported: 03/14/2013 09:38

San Ramon CA 94583

HROQA

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

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs by 8260B - Water	SW-846 8260B	1	P130651AA	03/06/2013 11:55	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P130651AA	03/06/2013 11:55	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	13063A07A	03/05/2013 11:49	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	13063A07A	03/05/2013 11:49	Marie D John	1

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

Quality Control Summary

Client Name: Chevron
Reported: 03/14/13 at 09:38 AM

Group Number: 1372548

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

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

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: P130651AA	Sample number(s): 6970240-6970244								
Benzene	N.D.	0.5	1	ug/l	89		77-121		
Ethanol	N.D.	50.	250	ug/l	112		54-149		
Ethylbenzene	N.D.	0.5	1	ug/l	94		79-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	95		68-121		
Toluene	N.D.	0.5	1	ug/l	95		79-120		
Xylene (Total)	N.D.	0.5	1	ug/l	95		77-120		
Batch number: 13063A07A	Sample number(s): 6970240-6970244								
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	112	112	75-135	0	30
Batch number: 130630008A	Sample number(s): 6970240-6970243								
Motor Oil C16-C36 w/Si Gel	N.D.	40.	120	ug/l					
Total TPH w/Si Gel	N.D.	40.	120	ug/l	104	77	32-121	29*	20
Batch number: 130630020A	Sample number(s): 6970240-6970243								
TPH-DRO CA C10-C28 w/ Si Gel	N.D.	32.	100	ug/l	73	73	50-118	1	20

Sample Matrix Quality Control

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

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: P130651AA	Sample number(s): 6970240-6970244 UNSPK: 6970240								
Benzene	96	96	72-134	0	30				
Ethanol	105	107	53-146	2	30				
Ethylbenzene	101	102	71-134	1	30				
Methyl Tertiary Butyl Ether	95	99	72-126	4	30				
Toluene	101	102	80-125	1	30				
Xylene (Total)	99	101	79-125	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.

*- Outside of specification

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

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

Quality Control Summary

Client Name: Chevron
Reported: 03/14/13 at 09:38 AM

Group Number: 1372548

Surrogate Quality Control

Analysis Name: UST VOCs by 8260B - Water
Batch number: P130651AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6970240	100	100	99	92
6970241	98	98	99	91
6970242	99	99	99	92
6970243	99	99	100	93
6970244	100	100	99	92
Blank	99	98	100	93
LCS	99	101	100	95
MS	99	98	99	94
MSD	99	101	100	95
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12

Batch number: 13063A07A
Trifluorotoluene-F

6970240	86
6970241	84
6970242	85
6970243	83
6970244	85
Blank	82
LCS	97
LCSD	98
Limits:	63-135

Analysis Name: TPH Fuels water w/Si Gel

Batch number: 130630008A

	Chlorobenzene	Orthoterphenyl
6970240	78	62
6970241	82	75
6970242	86	69
6970243	60	52
Blank	87	74
LCS	98	111
LCSD	75	82
Limits:	29-107	43-114

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

Batch number: 130630020A

	Orthoterphenyl
6970240	80
6970241	78
6970242	83
6970243	69
Blank	75
LCS	83
LCSD	79

*- Outside of specification

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

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

Quality Control Summary

Client Name: Chevron
Reported: 03/14/13 at 09:38 AM

Group Number: 1372548

Surrogate Quality Control

Limits: 50-154

*- 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.

CHAIN OF CUSTODY FORM

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

COC 1 of 1

Chevron Site Number: <u>91851</u>				Chevron Consultant: <u>CRA</u>				ANALYSES REQUIRED																																	
Chevron Site Global ID: <u>T060012238</u>				Address: <u>5900 Hollis St. Suite A Emeryville,</u>				<input checked="" type="checkbox"/> H		<input checked="" type="checkbox"/> H										Preservation Codes																					
Chevron Site Address: <u>451 Hegenberger Rd.,</u>				<u>CA</u> Consultant Contact: <u>Nathan Lee</u>				HVOC <input type="checkbox"/>		ORO <input type="checkbox"/>		HC SCREEN <input type="checkbox"/>								H = HCL T= Thiosulfate																					
<u>Oakland, CA</u>				Consultant Phone No. <u>510-420-3351</u>				MTBE <input type="checkbox"/>		DRO <input type="checkbox"/>										N = HNO ₃ B = NaOH																					
Chevron PM: <u>CATALINA DEVINE</u>				Consultant Project No. _____				EPA 8021B BTEX <input type="checkbox"/>		EPA 8015B GROX <input checked="" type="checkbox"/>		EPA 310.1 ALKALINITY <input type="checkbox"/>								S = H ₂ SO ₄ O = Other																					
Chevron PM Phone No.: <u>(925)790-3949</u>				Sampling Company: <u>Blaine Tech Services</u>				EPA 6010 Ca, Fe, K, Mg, Mn, Na		EPA 6010/7000 TITLE 22 METALS <input type="checkbox"/>		TLC <input type="checkbox"/>		EPA 413.1 OIL & GREASE <input type="checkbox"/>						acc# <u>10991</u>																					
<input checked="" type="checkbox"/> Retail and Terminal Business Unit (RTBU) Job				Sampled By (Print): <u>WILLIAM WONG</u>								EPA 150.1 PH <input type="checkbox"/>		SM2510B SPECIFIC CONDUCTIVITY						Cup# <u>1372518</u>																					
<input checked="" type="checkbox"/> Construction/Retail Job				Sampler Signature: <u>[Signature]</u>				EPA 8260B/GC/MS						EPA 418.1 TRPH <input type="checkbox"/>		ETHANOL				Sample# <u>6970240-44</u>																					
Charge Code: NWRTB-0091851-0-OML NWRTB 00SITE NUMBER-0- WBS				Lancaster Laboratories				Other Lab _____		Temp. Blank Check Time _____ Temp. _____										Special Instructions																					
(WBS ELEMENTS: SITE ASSESSMENT: A1L REMEDIATION IMPLEMENTATION: R5L SITE MONITORING: OML OPERATION MAINTENANCE & MONITORING: M1L				<input checked="" type="checkbox"/> Lancaster, PA Lab Contact: <u>Jill Parker</u>				_____		_____										Must meet lowest detection limits possible for 8260 Compounds, Run TPHmo and DRO with Silica Gel Clean Up																					
THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.				2425 New Holland Pike, Lancaster, PA 17601 Phone No: (717)656-2300				_____		_____																															
SAMPLE ID				Sample Time		# of Containers		Container Type		EPA 8260B/GC/MS TPH-G <input type="checkbox"/>		EPA 8015B GROX <input checked="" type="checkbox"/>		EPA 8021B BTEX <input type="checkbox"/>		EPA 6010 Ca, Fe, K, Mg, Mn, Na		EPA 6010/7000 TITLE 22 METALS <input type="checkbox"/>		TLC <input type="checkbox"/>		EPA 310.1 ALKALINITY <input type="checkbox"/>		SM2510B SPECIFIC CONDUCTIVITY		EPA 418.1 TRPH <input type="checkbox"/>		ETHANOL		EPA 8260		EPA 8015		TPH-D <input checked="" type="checkbox"/>		TPHmo		Notes/Comments			
Field Point Name		Matrix	Top Depth																																					Date (yyymmdd)	
MW-1		W		130228	1205	10	Mixed																																		
MW-4		↓		↓	1355	10	↓																																		
MW-5		↓		↓	1340	9	↓																																		
MW-6		↓		↓	1325	9	↓																																		
QA		↓		↓	1025	2	HCl vapors																																		
Relinquished By		Company	Date/Time	Relinquished To		Company	Date/Time	Turnaround Time:		Standard <input checked="" type="checkbox"/> 24 Hours <input type="checkbox"/> 48 hours <input type="checkbox"/> 72 Hours <input type="checkbox"/> Other <input type="checkbox"/>		Sample Integrity: (Check by lab on arrival)		Intact: <input checked="" type="checkbox"/> On Ice: <input type="checkbox"/> Temp: <u>1.9 - C</u>		COC #																									
<u>[Signature]</u>		<u>BLAINE TECH SERVICES</u>	<u>2/28/13 1510</u>	<u>[Signature]</u>		<u>LLI</u>	<u>1510 2/28/13</u>																																		
<u>[Signature]</u>		<u>LLI</u>	<u>2/28/13</u>	<u>[Signature]</u>		<u>[Signature]</u>	<u>[Signature]</u>																																		
<u>[Signature]</u>		<u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>		<u>[Signature]</u>	<u>[Signature]</u>																																		

Explanation of Symbols and Abbreviations

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

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

U.S. EPA CLP Data Qualifiers:

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

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

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

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

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

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