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9:09 am, Jun 05, 2012

Alameda County
Environmental Health

**Catalina Espino
Devine**
Project Manager
Marketing Business Unit

**Chevron Environmental
Management Company**
6101 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 790-3949
espino@chevron.com

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

Re: Chevron Service Station No. 9-3600
2200 Telegraph Avenue
Oakland, CA

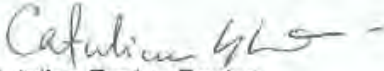
I have reviewed the attached report dated May 25, 2012.

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,


Catalina Espino Devine
Project Manager

Attachment: Report



**CONESTOGA-ROVERS
& ASSOCIATES**

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

May 25, 2012

Reference No. 311965

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

Re: First Semi-Annual 2012
Groundwater Monitoring and Sampling Report
Chevron Service Station 93600
2200 Telegraph Avenue
Oakland, California
Fuel Leak Case No. RO00002435

Dear Mr. Detterman:

Conestoga-Rovers & Associates (CRA) is submitting this *First Semi-Annual 2012 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 April 2, 2012 *Second Quarter Monitoring* report is included as Attachment A. Groundwater monitoring and sampling data are presented in Table 1. Lancaster Laboratories' April 13, 2012 *Analytical Results* is included as Attachment B.

RESULTS OF FIRST SEMI-ANNUAL EVENT

On April 2, 2012, Blaine Tech monitored and sampled the site wells per the established schedule. Results of the current monitoring event indicate the following:

- Groundwater Flow Direction Southeast
- Hydraulic Gradient 0.01
- Approximate Depth to Water 10 to 11 feet below grade

Equal
Employment Opportunity
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May 25, 2012

Reference No. 311965

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

<i>Well ID</i>	<i>TPHg ($\mu\text{g/L}$)</i>	<i>Benzene ($\mu\text{g/L}$)</i>	<i>Toluene ($\mu\text{g/L}$)</i>	<i>Ethylbenzene ($\mu\text{g/L}$)</i>	<i>Total Xylenes ($\mu\text{g/L}$)</i>	<i>MTBE ($\mu\text{g/L}$)</i>
<i>ESLs</i>	100	1.0	40	30	20	5
MW-1	1,600	<0.5	<0.5	2	<0.5	23
MW-2	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-3	<50	<0.5	<0.5	<0.5	<0.5	<0.5

Note:
< Indicates constituent was not detected at or above laboratory reporting limit.
Bold indicates results above the drinking water environmental screening level (ESL).
ESL Regional Water Quality Control Board, San Francisco Bay Region (RWQCB), Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Final, November 2007, revised May 2008.

CONCLUSIONS AND RECOMMENDATIONS

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

- Dissolved-phase petroleum hydrocarbon concentrations are low and only detected in well MW-1
- All concentrations are below historical maximums

CRA recommends continuing semi-annual monitoring and sampling to verify decreasing concentration trends over time.

In their April 13, 2011 correspondence, Alameda County Environmental Health (ACEH) conditionally approved CRA's *Work Plan for Soil Borings*, dated January 30, 2009. The scope of work was proposed to delineate the lateral and vertical extent of dissolved-phase hydrocarbons to the southeast (i.e., downgradient) of the site. This work was conducted in April 2011.

ANTICIPATED FUTURE ACTIVITIES

Groundwater Monitoring

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



**CONESTOGA-ROVERS
& ASSOCIATES**

May 25, 2012

Reference No. 311965

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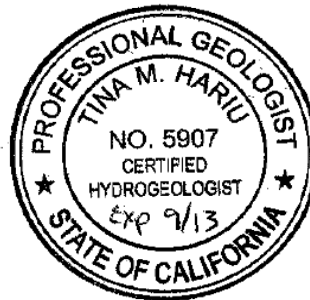
Additional Site Assessment

As stated, CRA performed the work scope described in the conditionally approved *Work Plan for Soil Borings*. A report documenting the results of the soil and groundwater investigation will be submitted to ACEH on or before June 8, 2012.

Please contact Tina M. Hariu at (510) 420-3344 or Nathan Lee at (510) 420-3313 if you have any questions or require additional information.

Regards,

CONESTOGA-ROVERS & ASSOCIATES



Tina M. Hariu, PG 5907, CHG 346

TH/cw/10

Encl.

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

cc: Ms. Catalina Espino Devine, Chevron (*electronic copy*)
Mr. George Kim, Property Owner

FIGURES

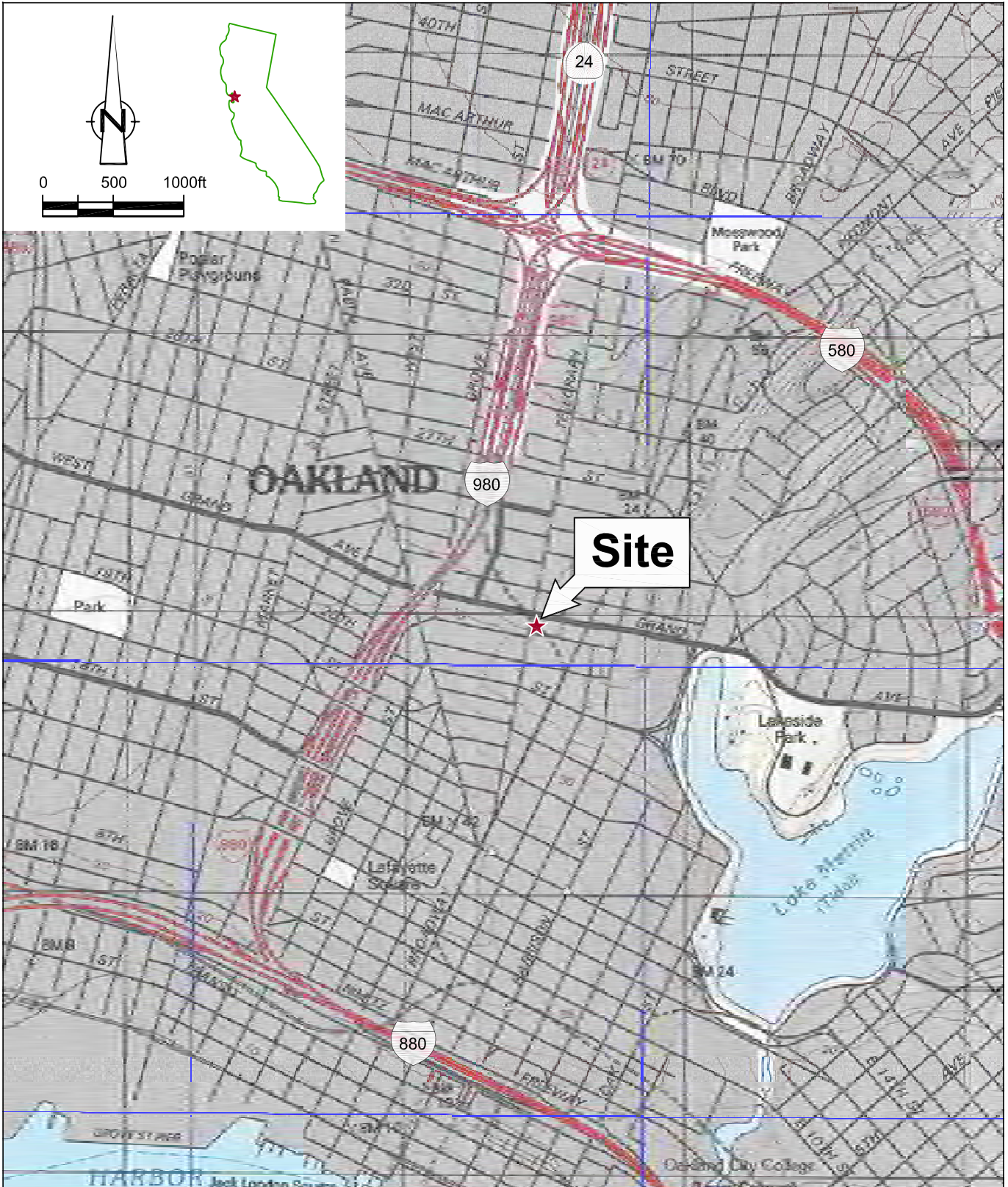


Figure 1
 VICINITY MAP
 CHEVRON SERVICE STATION 93600
 2200 TELEGRAPH AVENUE
Oakland, California



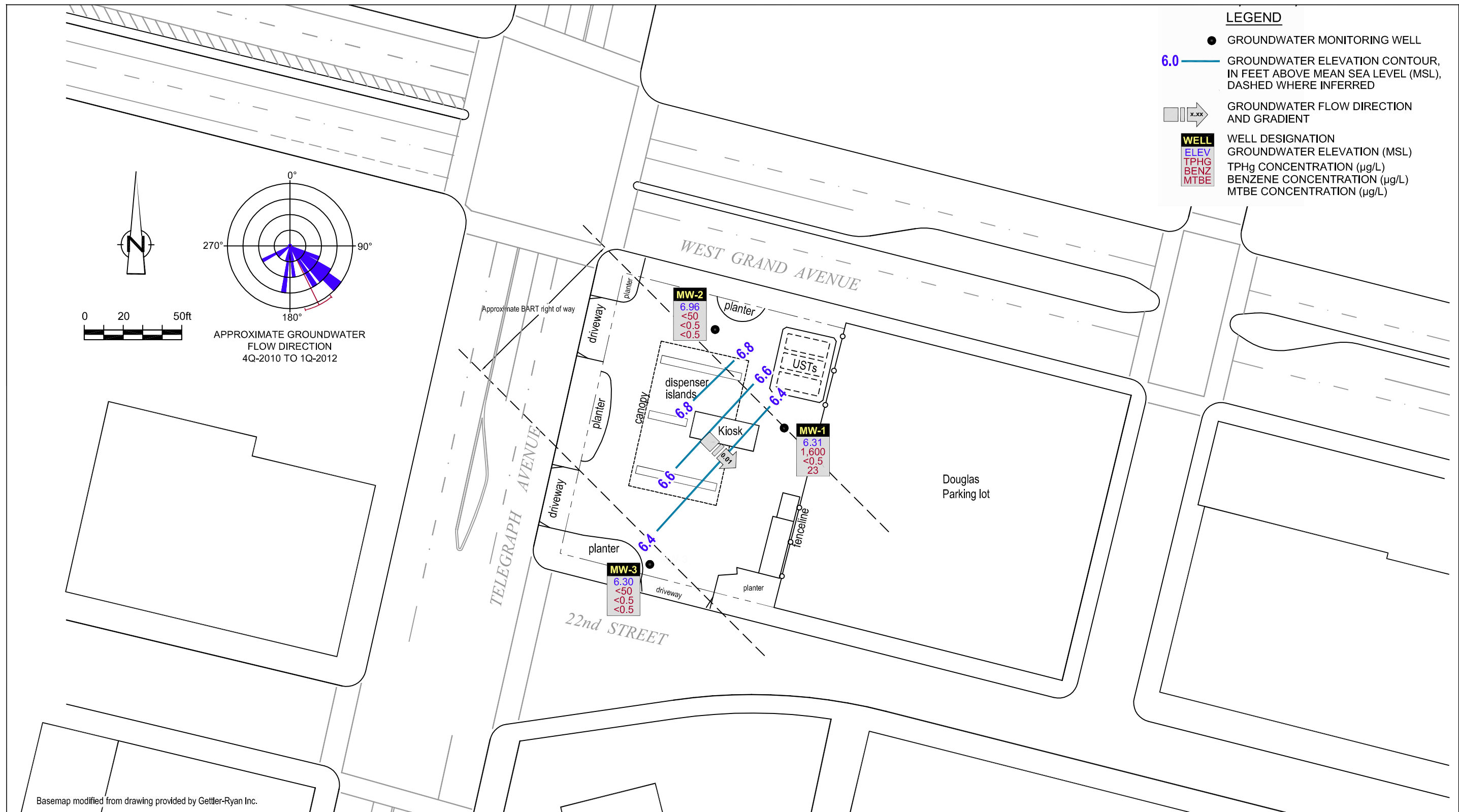


Figure 2
 GROUNDWATER ELEVATION AND HYDROCARBON CONCENTRATION MAP
 CHEVRON SERVICE STATION 93600
 2200 TELEGRAPH AVENUE
 Oakland, California
 April 2, 2012



TABLE

TABLE 1

**GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 93600
2200 TELEGRAPH AVE
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	HYDROCARBONS		PRIMARY VOCS					ADDITIONAL VOCS				
					TPH-GRO	MTBE by SW8260	B	T	E	X	ETHANOL	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
MW-1	04/05/2002 ¹	17.07	11.68	5.39	2,000	5.0	<1.0	14	8.4	310/370	-	200	<2	<2	10	
MW-1	07/01/2002	17.07	12.01	5.06	2,000	8.9	<1.0	97	31	420/370	-	190	<2	<2	9	
MW-1	10/08/2002	17.07	12.20	4.87	1,400	9.2	<10	75	20	360/440	-	110	<2	<2	8	
MW-1	01/11/2003	17.07	11.13	5.94	1,600	7.1	0.51	53	13	280/270	-	<100	<2	<2	7	
MW-1	04/01/2003	17.07	11.53	5.54	1,800	5.2	0.6	25	9.1	210/210	-	22	<0.5	<0.5	5	
MW-1	07/01/2003 ³	17.07	11.95	5.12	2,000	4	<0.5	31	12	170	<50	26	<0.5	<0.5	5	
MW-1	10/02/2003 ³	17.07	12.25	4.82	480	<5	<5	<5	<5	9,800	<500	2,600	<5	<5	6	
MW-1	01/05/2004 ³	17.07	11.05	6.02	1,700	3	<0.5	27	4	140	<50	21	<0.5	<0.5	3	
MW-1	04/05/2004 ³	17.07	11.63	5.44	1,500	2	<0.5	21	0.6	120	<50	17	<0.5	<0.5	3	
MW-1	07/01/2004 ³	17.07	12.08	4.99	1,500	1	<0.5	3	<0.5	130	<50	13	<0.5	<0.5	2	
MW-1	10/05/2004 ³	17.07	12.21	4.86	1,400	<0.5	<0.5	1	0.5	130	<50	14	<0.5	<0.5	2	
MW-1	01/04/2005 ³	17.07	11.15	5.92	1,500	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5	
MW-1	04/14/2005 ³	17.07	11.20	5.87	2,100	<0.5	<0.5	4	0.5	61	<50	15	<0.5	<0.5	1	
MW-1	07/08/2005 ³	17.07	11.38	5.69	1,800	<0.5	<0.5	0.8	<0.5	71	<50	15	<0.5	<0.5	1	
MW-1	10/27/2005 ³	17.07	12.24	4.83	800	<0.5	<0.5	<0.5	<0.5	76	<50	10	<0.5	<0.5	1	
MW-1	01/12/2006 ³	17.07	11.10	5.97	1,600	<0.5	<0.5	4	<0.5	47	<50	12	<0.5	<0.5	<0.5	
MW-1	04/13/2006 ³	17.07	10.81	6.26	1,500	<0.5	<0.5	1	<0.5	36	<50	8	<0.5	<0.5	0.6	
MW-1	07/13/2006 ³	17.07	11.18	5.89	990	<0.5	<0.5	<0.5	<0.5	44	<50	7	<0.5	<0.5	0.7	
MW-1	10/16/2006 ³	17.07	12.18	4.89	780	<0.5	<0.5	<0.5	<0.5	59	<50	6	<0.5	<0.5	1	
MW-1	01/20/2007 ³	17.07	11.91	5.16	890	<0.5	<0.5	<0.5	<0.5	47	<50	8	<0.5	<0.5	0.8	
MW-1	04/11/2007 ³	17.07	11.87	5.20	1,900	<0.5	<0.5	4	<0.5	39	<50	9	<0.5	<0.5	0.7	
MW-1	07/27/2007 ³	17.07	11.91	5.16	1,500	<0.5	<0.5	0.6	<0.5	56	<50	8	<0.5	<0.5	0.8	
MW-1	10/22/2007 ³	17.07	-	-	610	<0.5	<0.5	<0.5	<0.5	65	<50	5	<0.5	<0.5	0.7	
MW-1	11/26/2007	17.07	11.96	5.11	-	-	-	-	-	-	-	-	-	-	-	
MW-1	01/21/2008 ³	17.07	11.78	5.29	1,100	<0.5	<0.5	0.8	<0.5	48	<50	5	<0.5	<0.5	0.7	
MW-1	04/04/2008 ³	17.07	11.83	5.24	1,600	<0.5	<0.5	<0.5	<0.5	53	<50	6	<0.5	<0.5	0.6	
MW-1	07/21/2008 ³	17.07	12.10	4.97	950	<0.5	<0.5	<0.5	<0.5	72	<50	11	<0.5	<0.5	0.7	
MW-1	10/09/2008 ³	17.07	12.17	4.90	960	<0.5	<0.5	<0.5	<0.5	59	<50	5	<0.5	<0.5	0.5	
MW-1	01/21/2009 ³	17.07	12.15	4.92	840	<0.5	<0.5	<0.5	<0.5	31	<50	5	<0.5	<0.5	0.5	

TABLE 1

**GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 93600
2200 TELEGRAPH AVE
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	HYDROCARBONS		PRIMARY VOCS					ADDITIONAL VOCS				
					TPH-GRO	MTBE by SW8260	B	T	E	X	ETHANOL	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	04/29/2009	17.07	11.68	5.39	1,800	<0.5	<0.5	3	<0.5	25	<50	5	<0.5	<0.5	<0.5	
MW-1	07/23/2009 ³	17.07	11.85	5.22	1,900	<0.5	<0.5	<0.5	<0.5	30	<50	4 J	<0.5	<0.5	<0.5	
MW-1	01/28/2010	17.07	10.81	6.26	2,600	<0.5	<0.5	2	<0.5	31	<50	11	<0.5	<0.5	<0.5	
MW-1	07/22/2010	17.07	11.76	5.31	4,200	0.5 J	<0.5	3	<0.5	59	<50	9	<0.5	<0.5	0.6 J	
MW-1	01/20/2011	17.07	11.33	5.74	2,500	<0.5	<0.5	2	<0.5	30	<50	4 J	<0.5	<0.5	<0.5	
MW-1	07/18/2011	17.07	11.41	5.66	2,200	<0.5	<0.5	4	<0.5	55	<50	5	<0.5	<0.5	0.5 J	
MW-1	04/02/2012	17.07	10.76	6.31	1,600	<0.5	<0.5	2	<0.5	23	<50	3 J	<0.5	<0.5	<0.5	
MW-2	04/05/2002 ¹	16.82	11.17	5.65	<50	<0.50	<0.50	<0.50	<1.5	<2/<2.5	-	<100	<2	<2	<2	
MW-2	07/01/2002	16.82	11.36	5.46	<50	<0.50	0.57	0.52	<1.5	<2.5/<2	-	<100	<2	<2	<2	
MW-2	10/08/2002	16.82	11.57	5.25	<100	<2.0	<2.0	<2.0	<5.0	<10/<2	-	<100	<2	<2	<2	
MW-2	01/11/2003	16.82	10.94	5.88	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2	-	<100	<2	<2	<2	
MW-2	04/01/2003	16.82	11.03	5.79	<50	<0.5	<0.5	<0.5	<1.5	<0.5/<2.5	<50	<5	<0.5	<0.5	<0.5	
MW-2	07/01/2003 ³	16.82	11.30	5.52	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5	
MW-2	10/02/2003 ³	16.82	11.63	5.19	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5	
MW-2	01/05/2004 ³	16.82	10.82	6.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5	
MW-2	04/05/2004 ³	16.82	11.21	5.61	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5	
MW-2	07/01/2004 ³	16.82	11.46	5.36	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5	
MW-2	10/05/2004 ³	16.82	11.57	5.25	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5	
MW-2	01/04/2005 ³	16.82	10.87	5.95	<50	0.5	<0.5	8	0.9	87	<50	14	<0.5	<0.5	2	
MW-2	04/14/2005 ³	16.82	10.72	6.10	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5	
MW-2	07/08/2005 ³	16.82	11.16	5.66	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5	
MW-2	10/27/2005 ³	16.82	11.59	5.23	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5	
MW-2	01/12/2006 ³	16.82	10.68	6.14	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5	
MW-2	04/13/2006 ³	16.82	10.37	6.45	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5	
MW-2	07/13/2006 ³	16.82	10.68	6.14	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5	
MW-2	10/16/2006 ³	16.82	11.48	5.34	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5	
MW-2	01/20/2007 ³	16.82	11.27	5.55	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5	
MW-2	04/11/2007 ³	16.82	11.20	5.62	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5	

TABLE 1

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 FORMER CHEVRON SERVICE STATION 93600
 2200 TELEGRAPH AVE
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	HYDROCARBONS		PRIMARY VOCS					ADDITIONAL VOCS				
					TPH-GRO	MTBE by SW8260	B	T	E	X	ETHANOL	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
MW-2	07/25/2007 ³	-	-	-	-	-	-	-	-	-	-	<50	<2	<0.5	<0.5	<0.5
MW-2	07/27/2007 ³	16.82	11.27	5.55	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-
MW-2	10/22/2007 ³	16.82	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5
MW-2	11/26/2007	16.82	11.31	5.51	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	01/21/2008 ³	16.82	11.08	5.74	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5
MW-2	04/04/2008 ³	16.82	11.12	5.70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5
MW-2	07/21/2008 ³	16.82	11.56	5.26	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5
MW-2	10/09/2008 ³	16.82	11.73	5.09	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5
MW-2	01/21/2009 ³	16.82	11.55	5.27	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5
MW-2	04/29/2009	16.82	11.06	5.76	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5
MW-2	07/23/2009 ³	16.82	11.30	5.52	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5
MW-2	01/28/2010	16.82	10.23	6.59	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5
MW-2	07/22/2010	16.82	11.03	5.79	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5
MW-2	01/20/2011	16.82	10.52	6.30	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5
MW-2	07/18/2011	16.82	10.61	6.21	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5
MW-2	04/02/2012	16.82	9.86	6.96	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5
MW-3	04/05/2002 ¹	16.52	11.29	5.23	<50	<0.50	0.59	<0.50	<1.5	<2.5/<2	-	<100	<2	<2	<2	<2
MW-3	07/01/2002	16.52	11.55	4.97	<50	<0.50	0.60	<0.50	<1.5	<2.5/<2	-	<100	<2	<2	<2	<2
MW-3	10/08/2002	16.52	11.62	4.90	<100	<2.0	<2.0	<2.0	<5.0	<2/<10	-	<100	<2	<2	<2	<2
MW-3	01/11/2003	16.52	11.09	5.43	<50	<0.50	<0.50	<0.50	<1.5	<2.5/<2	-	<100	<2	<2	<2	<2
MW-3	04/01/2003	16.52	11.25	5.27	<50	<0.5	<0.5	<0.5	<1.5	<0.5/<2.5	-	<5	<0.5	<0.5	<0.5	<0.5
MW-3	07/01/2003 ³	16.52	11.42	5.10	<50	<0.5	<0.5	<0.5	<0.5	2	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-3	10/02/2003 ³	16.52	11.74	4.78	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-3	01/05/2004 ³	16.52	11.06	5.46	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-3	04/05/2004 ³	16.52	11.40	5.12	<50	<0.5	<0.5	<0.5	<0.5	0.6	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-3	07/01/2004 ³	16.52	11.58	4.94	<50	<0.5	<0.5	<0.5	<0.5	0.8	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-3	10/05/2004 ³	16.52	11.60	4.92	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5	<0.5
MW-3	01/04/2005 ³	16.52	10.95	5.57	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5	<0.5

TABLE 1

**GROUNDWATER MONITORING AND SAMPLING DATA
FORMER CHEVRON SERVICE STATION 93600
2200 TELEGRAPH AVE
OAKLAND, CALIFORNIA**

Location	Date	TOC	DTW	GWE	HYDROCARBONS		PRIMARY VOCS					ADDITIONAL VOCS				
					TPH-GRO	MTBE by SW8260	B	T	E	X	ETHANOL	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
MW-3	04/14/2005 ³	16.52	11.10	5.42	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5	
MW-3	07/08/2005 ³	16.52	11.29	5.23	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5	
MW-3	10/27/2005 ³	16.52	11.68	4.84	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5	
MW-3	01/12/2006 ³	16.52	10.83	5.69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5	
MW-3	04/13/2006 ³	16.52	10.65	5.87	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5	
MW-3	07/13/2006 ³	16.52	11.03	5.49	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5	
MW-3	10/16/2006 ³	16.52	11.46	5.06	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<5	<0.5	<0.5	<0.5	
MW-3	01/20/2007 ³	16.52	11.39	5.13	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5	
MW-3	04/11/2007 ³	16.52	11.27	5.25	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5	
MW-3	07/27/2007 ³	16.52	11.38	5.14	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5	
MW-3	10/22/2007 ³	16.52	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5	
MW-3	11/26/2007	16.52	11.35	5.17	-	-	-	-	-	-	-	-	-	-	-	
MW-3	01/21/2008 ³	16.52	11.16	5.36	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5	
MW-3	04/04/2008 ³	16.52	11.15	5.37	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5	
MW-3	07/21/2008 ³	16.52	11.38	5.14	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5	
MW-3	10/09/2008 ³	16.52	11.49	5.03	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5	
MW-3	01/21/2009 ³	16.52	11.52	5.00	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5	
MW-3	04/29/2009	16.52	11.10	5.42	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5	
MW-3	07/23/2009 ³	16.52	11.20	5.32	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5	
MW-3	01/28/2010	16.52	10.41	6.11	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5	
MW-3	07/22/2010	16.52	10.91	5.61	<50	<0.5	<0.5	<0.5	<0.5	1	<50	<2	<0.5	<0.5	<0.5	
MW-3	01/20/2011	16.52	10.55	5.97	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5	
MW-3	07/18/2011	16.52	10.43	6.09	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5	
MW-3	04/02/2012	16.52	10.22	6.30	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50	<2	<0.5	<0.5	<0.5	
Trip Blank	04/05/2002	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	
Trip Blank	07/01/2002	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	
Trip Blank	10/08/2002	-	-	-	<100	<2.0	<2.0	<2.0	<5.0	<10	-	-	-	-	-	
Trip Blank	01/11/2003	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
 FORMER CHEVRON SERVICE STATION 93600
 2200 TELEGRAPH AVE
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	HYDROCARBONS		PRIMARY VOCS					ADDITIONAL VOCS					
					TPH-GRO	MTBE by SW8260	B	T	E	X	ETHANOL	TBA	DIPE	ETBE	TAME		
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Trip Blank	04/01/2003	-	-	-	<50	<0.5	<0.5	<0.5	<1.5	<2.5	-	-	-	-	-	-	-
Trip Blank	07/01/2003 ³	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	10/02/2003 ³	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	01/05/2004 ³	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	04/05/2004 ³	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	07/01/2004 ³	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	10/05/2004 ³	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	01/04/2005 ³	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	04/14/2005 ³	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	07/08/2005 ³	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	10/27/2005 ³	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	01/12/2006 ³	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	04/13/2006 ³	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	07/13/2006 ³	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	10/16/2006 ³	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	01/20/2007 ³	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	04/11/2007 ³	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	07/27/2007 ³	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	10/22/2007 ³	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	01/21/2008 ³	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	04/04/2008 ³	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	07/21/2008 ³	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	10/09/2008 ³	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	01/21/2009 ³	-	-	-	<50 ³	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	04/29/2009	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	07/23/2009 ³	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	01/28/2010	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	07/22/2010	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
Trip Blank	01/20/2011	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
 FORMER CHEVRON SERVICE STATION 93600
 2200 TELEGRAPH AVE
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	HYDROCARBONS		PRIMARY VOCS				ADDITIONAL VOCS				
					TPH-GRO	MTBE by SW8260	B	T	E	X	ETHANOL	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Trip Blank	07/18/2011	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-
Trip Blank	04/02/2012	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	<2	<0.5	<0.5	<0.5

Abbreviations and Notes:

TOC = Top of casing

DTW = Depth to water

GWE = Groundwater elevation

(ft-amsl) = Feet above mean sea level

ft = Feet

µg/L = Micrograms per liter

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

VOCS = Volatile organic compounds

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes (Total)

MTBE = Methyl tert butyl ether

TBA = Tert-butyl alcohol

DIPE = Diisopropyl ether

ETBE = Tert-butyl ethyl ether

TAME = Tert-amyl methyl ether

-- = Not available / not applicable

<x = Not detected above laboratory method detection limit

J = Estimated concentration

1 Well development performed.

3 BTEX and MTBE by EPA Method 8260.

5 Laboratory report indicates the original analysis was performed on an instrument where the ending calibration standard failed the method criteria. The sample was originally analyzed approximately 30 minutes after the LCS/LCSD. The LCS/LCSD showed good GRO recovery and the surrogate recovery for this sample was 85%.

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
 FORMER CHEVRON SERVICE STATION 93600
 2200 TELEGRAPH AVE
 OAKLAND, CALIFORNIA

Location	Date	TOC	DTW	GWE	HYDROCARBONS		PRIMARY VOCS				ADDITIONAL VOCS					
					TPH-GRO	MTBE by SW8260	B	T	E	X	ETHANOL	TBA	DIPE	ETBE	TAME	
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L

The sample was reanalyzed from a vial with headspace since only 1 vial was submitted. The results for the original and the reanalysis were similar. The reanalysis was reported.

ATTACHMENT A

MONITORING DATA PACKAGE



April 2, 2012

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

Second Quarter 2012 Monitoring at
Chevron Service Station 93600
2200 Telgraph Ave.
Oakland, CA

Monitoring performed on April 2, 2012

Blaine Tech Services, Inc. Groundwater Monitoring Event 120402-PH2

This submission covers the routine monitoring of groundwater wells conducted on April 2, 2012 at this location. Three monitoring wells were measured for depth to groundwater (DTW). Three monitoring wells were sampled. All sampling activities were performed in accordance with local, state and federal guidelines.

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

Second Quarter Groundwater Monitoring at Chevron 93600, 2200 Telgraph Ave., Oakland, CA

SAN JOSE

SACRAMENTO

LOS ANGELES

SAN DIEGO

1680 ROGERS AVENUE

SAN JOSE, CA 95112-1105

(408) 573-0555

FAX (408) 573-7771

LIC. 746684

www.blainetech.com

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

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

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

Please call if you have any questions.

Sincerely,



Dustin Becker
Blaine Tech Services, Inc.
Senior Project Manager

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

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

Second Quarter Groundwater Monitoring at Chevron 93600, 2200 Telegraph Ave., Oakland, CA

SAN JOSE

SACRAMENTO

LOS ANGELES

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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 over two-hundredths of a foot (0.02') of product.

EVACUATION

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

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

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

PARAMETER STABILIZATION

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

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

DEWATERED WELLS

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

MEASURING RECHARGE

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

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

PURGEWATER CONTAINMENT

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

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

SAMPLE COLLECTION DEVICES

All samples are collected using disposable bailers.

SAMPLE CONTAINERS

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

TRIP BLANKS

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

DUPLICATES

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

SAMPLE STORAGE

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

DOCUMENTATION CONVENTIONS

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

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

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

DECONTAMINATION

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

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

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

DISSOLVED OXYGEN READINGS

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

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

OXYIDATON REDUCTION POTENTIAL READINGS

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

FERROUS IRON MEASUREMENTS

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

WELL GAUGING DATA

Project # 120402-PH2 Date 4/2/12 Client Chvron

Site 2200 Telegraph Ave, Oakland

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOG	Notes
MW-1	1243	2					10.76	20.05	↓	
MW-2	1237	2				9.86	20.02			
MW-3	1230	2				10.22	20.02			

CHEVRON WELL MONITORING DATA SHEET

Project #: 120402-PH2	Station #: 9-3600
Sampler: PH	Date: 4/2/12
Weather: clear	Ambient Air Temperature: 65°F
Well I.D.: MW-1	Well Diameter: <u>2</u> 3 4 6 8 _____
Total Well Depth: 20.05	Depth to Water: 10.76
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]: 12.61	

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

1.5 (Gals.) X 3 = 4.5 Gals.
 I Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1335	64.2	7.15	882	>1000	1.5	
1338	64.5	7.12	877	>1000	3.0	
1341	64.5	7.08	871	>1000	4.5	

Did well dewater? Yes No Gallons actually evacuated: 4.5

Sampling Date: 4/2/12 Sampling Time: 1345 Depth to Water: 11.36

Sample I.D.: MW-1 Laboratory: Lancaster Other _____

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

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

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

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>120402-PH2</u>	Station #: <u>9-3600</u>
Sampler: <u>PH</u>	Date: <u>4/2/12</u>
Weather: <u>clear</u>	Ambient Air Temperature: <u>65°F</u>
Well I.D.: <u>MW-2</u>	Well Diameter: <u>②</u> 3 4 6 8 _____
Total Well Depth: <u>20.02</u>	Depth to Water: <u>9.86</u>
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]: <u>11.89</u>	

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

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

<u>1.6</u>	(Gals.) X	<u>3</u>	=	<u>4.8</u>	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
1318	64.7	6.90	1097	>1000	1.7	
1321	64.4	6.81	1086	>1000	3.5	
1324	64.5	6.78	1075	>1000	5.0	

Did well dewater? Yes No Gallons actually evacuated: 5

Sampling Date: 4/2/12 Sampling Time: 1330 Depth to Water: 10.13

Sample I.D.: MW-2 Laboratory: Lancaster Other _____

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

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

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

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>120402-PH2</u>	Station #: <u>9-3600</u>
Sampler: <u>PH</u>	Date: <u>4/2/12</u>
Weather: <u>clear</u>	Ambient Air Temperature: <u>65°F</u>
Well I.D.: <u>MW-3</u>	Well Diameter: <u>2</u> 3 4 6 8 _____
Total Well Depth: <u>20.02</u>	Depth to Water: <u>10.22</u>
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]: <u>12.18</u>	

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

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

1.6 (Gals.) X 3 = 4.7 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
<u>1257</u>	<u>66.8</u>	<u>6.96</u>	<u>767</u>	<u>>1000</u>	<u>1.7</u>	
<u>1300</u>	<u>66.7</u>	<u>6.94</u>	<u>764</u>	<u>>1000</u>	<u>3.5</u>	
<u>1303</u>	<u>66.8</u>	<u>6.93</u>	<u>762</u>	<u>>1000</u>	<u>4.7</u>	

Did well dewater? Yes No Gallons actually evacuated: 4.7

Sampling Date: 4/2/12 Sampling Time: 1310 Depth to Water: 10.62

Sample I.D.: MW-3 Laboratory: Kanaster Other _____

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

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

WELLHEAD INSPECTION CHECKLIST

Date 4/2/12 Client chevron

Site Address 2202 Telegraph Ave, Oakland

Job Number B0402-PH2 Technician PH

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
MW-1							X	
MW-2				*			X	
MW-3	X							

NOTES: MW-2 3/2 tabs stripped MW-1 1/2 tabs broken 1/2 tabs stripped

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

SOURCE RECORD **BILL OF LADING**

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

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

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

9-3600 CHEVRON # Dave Patten Chevron Engineer
2200 Telegraph Ave street number Oakland street name CA city state

WELL I.D.	GALS.	WELL I.D.	GALS.
<u>MW-1</u>	<u>4.5</u>	<u>/</u>	<u>/</u>
<u>MW-2</u>	<u>5</u>	<u>/</u>	<u>/</u>
<u>MW-3</u>	<u>4.7</u>	<u>/</u>	<u>/</u>
<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>
<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>
<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>
<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>
<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>
<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>
added equip.	<u>/</u>	any other	<u>/</u>
rinse water	<u>3</u>	adjustments	<u>/</u>
TOTAL GALS.	<u>17.5</u>	loaded onto	<u>60</u>
RECOVERED	<u>17.5</u>	BTS vehicle #	<u>60</u>
BTS event #	time	date	
<u>120402-PH2</u>	<u>1400</u>	<u>4/2/12</u>	
signature	<u>[Signature]</u>		

REC'D AT	time	date	
<u>/</u>	<u>/</u>	<u>/ /</u>	
unloaded by	<u>/</u>		
signature	<u>/</u>		

ATTACHMENT B

LABORATORY ANALYTICAL REPORT

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

April 13, 2012

Project: 93600

Submittal Date: 04/04/2012
Group Number: 1300070
PO Number: 0015074399
Release Number: PATTEN
State of Sample Origin: CAClient Sample DescriptionMW-1-W-120402 NA Water
MW-2-W-120402 NA Water
MW-3-W-120402 NA Water
QA-T-120402 NA WaterLancaster Labs (LLI) #6605528
6605529
6605530
6605531

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

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

Respectfully Submitted,



Jill M. Parker
Senior Specialist

(717) 556-7262

Sample Description: MW-1-W-120402 NA Water
Facility# 93600 BTST
2200 Telegraph Ave-Oakland T0600161613 MW-1

LLI Sample # WW 6605528
LLI Group # 1300070
Account # 10991

Project Name: 93600

Collected: 04/02/2012 13:45 by PH

Chevron

6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

Submitted: 04/04/2012 16:20

Reported: 04/13/2012 19:53

TAO-1

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	t-Amyl methyl ether	994-05-8	N.D.	0.5	1	1
10943	Benzene	71-43-2	N.D.	0.5	1	1
10943	t-Butyl alcohol	75-65-0	3 J	2	5	1
10943	Ethanol	64-17-5	N.D.	50	250	1
10943	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1	1
10943	Ethylbenzene	100-41-4	2	0.5	1	1
10943	di-Isopropyl ether	108-20-3	N.D.	0.5	1	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	23	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.	1,600	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	P121011AA	04/10/2012 18:46	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P121011AA	04/10/2012 18:46	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12096B20A	04/06/2012 14:29	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	12096B20A	04/06/2012 14:29	Laura M Krieger	1

Sample Description: MW-2-W-120402 NA Water
Facility# 93600 BTST
2200 Telegraph Ave-Oakland T0600161613 MW-2

LLI Sample # WW 6605529
LLI Group # 1300070
Account # 10991

Project Name: 93600

Collected: 04/02/2012 13:30 by PH

Chevron

6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

Submitted: 04/04/2012 16:20

Reported: 04/13/2012 19:53

TAO-2

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	t-Amyl methyl ether	994-05-8	N.D.	0.5	1	1
10943	Benzene	71-43-2	N.D.	0.5	1	1
10943	t-Butyl alcohol	75-65-0	N.D.	2	5	1
10943	Ethanol	64-17-5	N.D.	50	250	1
10943	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10943	di-Isopropyl ether	108-20-3	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	P121011AA	04/10/2012 19:14	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P121011AA	04/10/2012 19:14	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12096B20A	04/06/2012 14:51	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	12096B20A	04/06/2012 14:51	Laura M Krieger	1

Sample Description: MW-3-W-120402 NA Water
Facility# 93600 BTST
2200 Telegraph Ave-Oakland T0600161613 MW-3

LLI Sample # WW 6605530
LLI Group # 1300070
Account # 10991

Project Name: 93600

Collected: 04/02/2012 13:10 by PH

Chevron

6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

Submitted: 04/04/2012 16:20

Reported: 04/13/2012 19:53

TAO3-

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	t-Amyl methyl ether	994-05-8	N.D.	0.5	1	1
10943	Benzene	71-43-2	N.D.	0.5	1	1
10943	t-Butyl alcohol	75-65-0	N.D.	2	5	1
10943	Ethanol	64-17-5	N.D.	50	250	1
10943	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10943	di-Isopropyl ether	108-20-3	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	P121011AA	04/10/2012 19:42	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P121011AA	04/10/2012 19:42	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12096B20A	04/06/2012 15:13	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	12096B20A	04/06/2012 15:13	Laura M Krieger	1

Sample Description: QA-T-120402 NA Water
Facility# 93600 BTST
2200 Telegraph Ave-Oakland T0600161613 QA

LLI Sample # WW 6605531
LLI Group # 1300070
Account # 10991

Project Name: 93600

Collected: 04/02/2012 12:50

Chevron

Submitted: 04/04/2012 16:20

6001 Bollinger Canyon Rd L4310

Reported: 04/13/2012 19:53

San Ramon CA 94583

TAOQA

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	t-Amyl methyl ether	994-05-8	N.D.	0.5	1	1
10943	Benzene	71-43-2	N.D.	0.5	1	1
10943	t-Butyl alcohol	75-65-0	N.D.	2	5	1
10943	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10943	di-Isopropyl ether	108-20-3	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						
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1

General Sample Comments

State of California Lab Certification No. 2501

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX + 5 Oxygenates Water	SW-846 8260B	1	P121011AA	04/10/2012 20:09	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P121011AA	04/10/2012 20:09	Emily R Styer	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12096B20A	04/06/2012 11:55	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	12096B20A	04/06/2012 11:55	Laura M Krieger	1

Quality Control Summary

Client Name: Chevron
Reported: 04/13/12 at 07:53 PM

Group Number: 1300070

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: P121011AA	Sample number(s): 6605528-6605531								
t-Amyl methyl ether	N.D.	0.5	1	ug/l	94		66-120		
Benzene	N.D.	0.5	1	ug/l	91		77-121		
t-Butyl alcohol	N.D.	2.	5	ug/l	96		68-125		
Ethanol	N.D.	50.	250	ug/l	92		54-149		
Ethyl t-butyl ether	N.D.	0.5	1	ug/l	98		66-120		
Ethylbenzene	N.D.	0.5	1	ug/l	94		79-120		
di-Isopropyl ether	N.D.	0.5	1	ug/l	93		71-124		
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	96		68-121		
Toluene	N.D.	0.5	1	ug/l	96		79-120		
Xylene (Total)	N.D.	0.5	1	ug/l	93		77-120		
Batch number: 12096B20A	Sample number(s): 6605528-6605531								
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	91	89	75-135	2	30

Sample Matrix Quality Control

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

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: P121011AA	Sample number(s): 6605528-6605531 UNSPK: P607198								
t-Amyl methyl ether	98	95	65-117	3	30				
Benzene	97	95	72-134	1	30				
t-Butyl alcohol	94	93	67-119	1	30				
Ethanol	96	104	53-146	8	30				
Ethyl t-butyl ether	102	99	74-122	3	30				
Ethylbenzene	100	98	71-134	2	30				
di-Isopropyl ether	97	95	70-129	3	30				
Methyl Tertiary Butyl Ether	101	98	72-126	2	30				
Toluene	102	100	80-125	2	30				
Xylene (Total)	97	95	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.

Analysis Name: UST VOCs by 8260B - Water

*- Outside of specification

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

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

Quality Control Summary

Client Name: Chevron
Reported: 04/13/12 at 07:53 PM

Group Number: 1300070

Surrogate Quality Control

Batch number: P121011AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6605528	95	95	104	101
6605529	94	98	103	98
6605530	94	97	103	99
6605531	95	97	104	99
Blank	95	95	104	98
LCS	94	97	104	99
MS	95	99	103	99
MSD	93	99	103	98

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

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

Batch number: 12096B20A

	Trifluorotoluene-F
6605528	110
6605529	84
6605530	84
6605531	84
Blank	84
LCS	102
LCSD	101

Limits: 63-135

*- Outside of specification

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

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

040312-03

CHAIN OF CUSTODY FORM

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

Chevron Site Number: <u>93600</u> Chevron Site Global ID: <u>T0600161613</u> Chevron Site Address: <u>2200 Telegraph Ave., Oakland, CA</u> Chevron PM: <u>DAVE PATTEN</u> Chevron PM Phone No.: <u>(925)543-1740</u> <input checked="" type="checkbox"/> Retail and Terminal Business Unit (RTBU) Job <input checked="" type="checkbox"/> Construction/Retail Job	Chevron Consultant: <u>CRA</u> Address: <u>5900 Hollis St. Suite A Emeryville.</u> CA Consultant Contact: <u>Nathan Lee</u> Consultant Phone No. <u>510-420-3333</u> Consultant Project No. <u>120402-PH2</u> Sampling Company: <u>Blaine Tech Services</u> Sampled By (Print): <u>Patrick Harris</u> Sampler Signature: <u><i>[Signature]</i></u>	ANALYSES REQUIRED <input checked="" type="checkbox"/> H <input checked="" type="checkbox"/> H <input type="checkbox"/> HVOC <input type="checkbox"/> HC SCREEN <input checked="" type="checkbox"/> OXYGENATES <input type="checkbox"/> MIBEM <input type="checkbox"/> GRO <input type="checkbox"/> DRO <input type="checkbox"/> ORO <input type="checkbox"/> MTBE <input type="checkbox"/> BTEX <input type="checkbox"/> BTEX <input type="checkbox"/> GRO <input type="checkbox"/> DRO <input type="checkbox"/> ORO <input type="checkbox"/> MTBE <input type="checkbox"/> Ca, Fe, K, Mg, Mn, Na <input type="checkbox"/> TITLES 22 METALS <input type="checkbox"/> STLC <input type="checkbox"/> ALKALINITY <input type="checkbox"/> EPA 310.1 ALKALINITY <input type="checkbox"/> EPA 413.1 OIL & GREASE <input type="checkbox"/> ETHANOL <input type="checkbox"/> TPH-D	Preservation Codes H = HCL T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other acct # <u>10991</u> Cap # <u>1300070</u> sample # <u>6605528-31</u>
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Charge Code: <u>NWRTB-0093600-0-OML</u> <u>NWRTB 00SITE NUMBER-0- WBS</u> (WBS ELEMENTS: SITE ASSESSMENT: <u>A1L</u> REMEDIATION IMPLEMENTATION: <u>R5L</u> SITE MONITORING: <u>OML</u> OPERATION MAINTENANCE & MONITORING: <u>M1L</u> THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.	Lancaster Laboratories <input checked="" type="checkbox"/> Lancaster, PA Lab Contact: <u>Jill Parker</u> <u>2425 New Holland Pike, Lancaster, PA 17601</u> Phone No: <u>(717)656-2300</u>	Other Lab Temp. Blank Check <table border="1"> <tr> <td>Time</td> <td>Temp.</td> </tr> <tr> <td><u>1215</u></td> <td><u>40</u></td> </tr> <tr> <td><u>1250</u></td> <td><u>40</u></td> </tr> <tr> <td><u>1345</u></td> <td><u>40</u></td> </tr> <tr> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> </tr> </table>	Time	Temp.	<u>1215</u>	<u>40</u>	<u>1250</u>	<u>40</u>	<u>1345</u>	<u>40</u>	_____	_____	_____	_____	_____	_____
Time	Temp.															
<u>1215</u>	<u>40</u>															
<u>1250</u>	<u>40</u>															
<u>1345</u>	<u>40</u>															
_____	_____															
_____	_____															
_____	_____															

SAMPLE ID				Sample Time	# of Containers	Container Type	ANALYSES										Notes/Comments		
Field Point Name	Matrix	Top Depth	Date (yyymmdd)				EPA 8260B/GC/MS TPH-G	EPA 8015B GRO	EPA 8021B BTEX	EPA 6010 Ca, Fe, K, Mg, Mn, Na	EPA 6010/7000 TITLES 22 METALS	EPA 150.1 PH	SM2510B SPECIFIC CONDUCTIVITY	EPA 418.1 TRPH	EPA 8260 ETHANOL	EPA 8015 TPH-D			
MW-1	W		120402	1345	6	40 mL VOA	X	X											X
MW-2	↓		↓	1330	↓	↓	X	X											X
MW-3	↓		↓	1310	↓	↓	X	X											X
QA	T		↓	1250	2	↓	X	X											

Relinquished By: <u><i>[Signature]</i></u> Company: <u>BTS</u> Date/Time: <u>4/2/12 1700</u>	Relinquished To: <u><i>[Signature]</i></u> (Sample Custodian) Company: <u>BTS</u> Date/Time: <u>4/2/12 1700</u>	Turnaround Time: Standard <input checked="" type="checkbox"/> 24 Hours <input type="checkbox"/> 48 hours <input type="checkbox"/> 72 Hours <input type="checkbox"/> Other <input type="checkbox"/>
Relinquished By: <u><i>[Signature]</i></u> (Sample Custodian) Company: <u>BTS</u> Date/Time: <u>4/3/12 1140</u>	Relinquished To: <u><i>[Signature]</i></u> Company: <u>LLI</u> Date/Time: <u>4/3/12 1140</u>	Sample Integrity: (Check by lab on arrival) Intact: <u>Y</u> On Ice: <u>Y</u> Temp: <u>1.3-3.0°C</u>
Relinquished By: <u><i>[Signature]</i></u> Company: <u>LLI</u> Date/Time: <u>03 APR 12 1634</u>	Relinquished To: <u><i>[Signature]</i></u> Company: <u>DHL</u>	COC # _____

[Signature] LLI 4/4/12 1620

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		
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.		

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

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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