



RECEIVED

8:51 am, May 11, 2010

Alameda County
Environmental Health

Aaron Costa
Project Manager
Marketing Business Unit

**Chevron Environmental
Management Company**
6111 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 543-2961
Fax (925) 543-2324
acosta@chevron.com

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

Re: Chevron Service Station No. 9-1851
451 Hegenberger Road
Oakland, CA

I have reviewed the attached report dated May 10, 2010.

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

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

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

Sincerely,

A handwritten signature in black ink that reads "Aaron Costa".

Aaron Costa
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 10, 2010

Reference No. 311976

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

Re: First Quarter 2010 Groundwater Monitoring and Sampling Report
Former Chevron Service Station 9-1851
451 Hegenberger Road
Oakland, California
Fuel Leak Case No. RO0000464

Dear Mr. Mark Detterman:

Conestoga-Rovers & Associates (CRA) is submitting this *First Quarter 2010 Groundwater Monitoring and Sampling Report* on behalf of Chevron Environmental Management Company (Chevron), for the site referenced above. Groundwater monitoring data is being submitted in accordance with the reporting requirements of 23CCR2652d. Presented below are the site background, current monitoring and sampling results, CRA's conclusions, and anticipated future activities.

SITE BACKGROUND

Site Description

The site is an active fuel service station located on the northwest corner of Hegenberger and Edgewater Roads in Oakland, California (Figure 1). The site is currently operated as a "Super Stop" retail fuel service station with one building, two fuel dispenser islands, three 10,000-gallon underground gasoline storage tanks (USTs) in one tank complex, and one 10,000-gallon diesel UST in a separate tank complex (Figure 2). Chevron operated the site from 1961 to 1999. In 1982 the used-oil tank was replaced with a 1,000-gallon single wall fiberglass used-oil tank which was removed in 1998. In 1984, the existing steel tanks were replaced with three 10,000-gallon single wall fiberglass USTs. Land use near the site is commercial and industrial. To date, seven monitoring wells have been installed and one soil boring advanced.

Equal
Employment Opportunity
Employer



Site Geology

In the 1940's, this area was filled with material derived from dredging, quarrying, construction and demolition sources. The fill material is estimated to be up to 50 feet thick. Prior to filling, silts and clays were deposited regionally in a tidal wetland environment.¹ Soils encountered beneath the site generally consist of silty and clayey sand from grade to depths of approximately 5 to 10 feet below grade (fbg), underlain by silty sand and clay to 16.5 fbg, the total depth explored.

Hydrogeology

The site is located in the Santa Clara Valley Groundwater Basin, East Bay Plain Subbasin, near the boundary of the Oakland and San Leandro Sub Basins. Groundwater in this subbasin has been designated potentially beneficial for agricultural, municipal, and industrial uses.² However, since this area has been backfilled with artificial fill, it is unlikely that the shallow water-bearing zone would be utilized as a drinking water resource. Groundwater flow direction in the basin typically flows along surface topography towards San Francisco Bay. Site topography is relatively flat at an elevation of approximately 3 feet above mean sea level, with the surrounding topography sloping towards the southwest. The nearest surface water is San Leandro Creek, which is located approximately ¼-mile west of the site. Depth to groundwater has historically ranged from approximately 2 to 8 fbg. Groundwater flow direction fluctuates, but is predominately to the southwest at a gradient of 0.003 to 0.06. Groundwater beneath the site has been monitored quarterly from October, 1995 to date.

RESULTS OF 2009 AND 2010 MONITORING EVENTS

First Quarter 2010 Groundwater Monitoring

On March 8, 2010, Blaine Tech Services (Blaine Tech) of San Jose, California attempted to monitor and sample all site wells. Light non-aqueous phase liquid (LNAPL) hydrocarbons were detected in well MW-2 (0.05 ft). No monitoring or sampling data was collected from well MW-5 due to a parked vehicle obstructing the well. Depth to water ranged from 2.90 fbg in MW-1 to 5.70 fbg in MW-7. Groundwater flowed towards the south to southwest at a gradient of 0.037. Blaine Tech's March 9, 2010 *First Quarter 2010 Monitoring Report* is included as

¹ *California's Groundwater Bulletin 118*; The State of California Department of Water Resources; February 27, 2004.

² Table 2-2 Existing and Potential Beneficial Uses in Groundwater in Identified Basins; *Water Quality Control Plan (Basin Plan) for the San Francisco Bay Basin*; California Regional Water Quality Control Board- San Francisco Bay Region, January 18, 2007.



Attachment A. The most recent groundwater elevation data and concentrations for total petroleum hydrocarbons as gasoline (TPHg), benzene, and methyl tertiary butyl ether (MTBE) are included on Figure 2. Lancaster Laboratories' March 20, 2010 analytical report is included as Attachment B.

Current hydrocarbon concentrations are presented and compared to environmental screening levels (ESLs) where groundwater is a potential source of drinking water³ in Table A. TPHg, benzene, toluene, ethylbenzene, xylenes, and MTBE concentrations this quarter are within historical ranges and are consistent with seasonal fluctuations.

TABLE A: SUMMARY OF ENVIRONMENTAL SCREENING LEVELS							
Well	Date	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE
<i>Groundwater ESLs</i>		100	1.0	40	30	20	5
<i>concentrations in micrograms per liter (µg/L)</i>							
MW-1	03/08/2010	<500	<0.5	<0.5	<0.5	<0.5	4
MW-2	NOT SAMPLED DUE TO PRESENCE OF LNAPL						
MW-3	03/08/2010	<50	<0.5	<0.5	<0.5	<0.5	32
MW-4	03/08/2010	<50	<0.5	<0.5	<0.5	<0.5	30
MW-5	INACCESSIBLE: VEHICLE PARKED OVER WELL						
MW-6	03/08/2010	<50	<0.5	<0.5	<0.5	<0.5	3
MW-7	03/08/2010	<50	<0.5	<0.5	<0.5	<0.5	7

³ *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*, Prepared by the California Regional Water Quality Control Board San Francisco Bay Region, Interim Final - November 2007, (Revised May 2008), Table F-1a-Groundwater Screening Levels-Current or Potential Drinking Water Resource.



LNAPL Occurrence

A LNAPL thickness of 0.05 feet was observed in well MW-2. LNAPL has been detected in MW-2 intermittently since December 2004 with a maximum thickness of 0.65 in June 2008. In September 2008 Chevron Energy Technology Company completed a fingerprint analysis of LNAPL detected in MW-2 (Attachment C). It was determined that the LNAPL consisted mainly of used lube oil, grease, or weathered crude oil with small amounts of gasoline and weathered diesel. Well MW-2 is located downgradient and adjacent to the former used-oil UST; therefore, the LNAPL likely represents motor oil.

Dissolved Hydrocarbon Delineation

The extent of dissolved phase hydrocarbons is defined by wells MW-1 to the west, MW-5 to the north, MW-6 to the east, and MW-4 and MW-7 to the south.

Concentration Trends

TPHg and benzene concentration have been below or near detection limits since September, 2008. MTBE concentrations have decreased in all wells from historic maximums.

CONCLUSIONS

The first quarter 2010 sampling event results indicate:

- LNAPL thickness is stable and isolated to MW-2
- TPHg and benzene concentrations are low or below detection limits
- MTBE concentrations are, on average, three orders of magnitude below historic highs in wells MW-1, MW-3, MW-4, and MW-7

ANTICIPATED FUTURE ACTIVITIES

Groundwater Sampling

Blaine Tech will gauge all site wells quarterly, sample MW-1, MW-2, and MW-4 quarterly, and sample MW-3, MW-5, MW-6, and MW-7 semi-annually during the first and third quarters. CRA will add total petroleum hydrocarbons as motor oil (TPHmo) by EPA Method 8015 with silica gel cleanup to the analyte suite for all wells based on the fingerprint analysis. CRA will present groundwater monitoring reports within 60 days of the sampling date. CRA will include a summary of site conditions and provide recommendations in the third quarter reports.



**CONESTOGA-ROVERS
& ASSOCIATES**

May 10, 2010

Reference No. 311976

- 5 -

We appreciate the opportunity to work with you on this project. Please contact Mr. Nathan Lee at (510) 420-3355, if you have any questions or comments regarding this report.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Ian Hull

Nathan Lee, P.G. #8486



IH/doh/6
Encl.

Figure 1	Vicinity Map
Figure 2	Groundwater Elevation and Hydrocarbon Concentration Map
Table 1	Groundwater Monitoring Data and Analytical Results
Table 2	Groundwater Analytical Results - Oxygenate Compounds
Table 3	Groundwater Analytical Results
Attachment A	March 9, 2010 Blaine Tech First Quarter 2010 Sampling Report
Attachment B	March 20, 2010 Lancaster Laboratories Analytical Report
Attachment C	September 15, 2008 Chevron Energy Technology Company hydrocarbon analysis

c.c.: Mr. Aaron Costa, Chevron
Mr. Ben Shimek, Station Owner

FIGURES

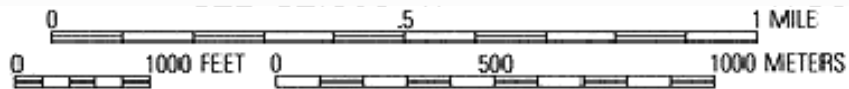
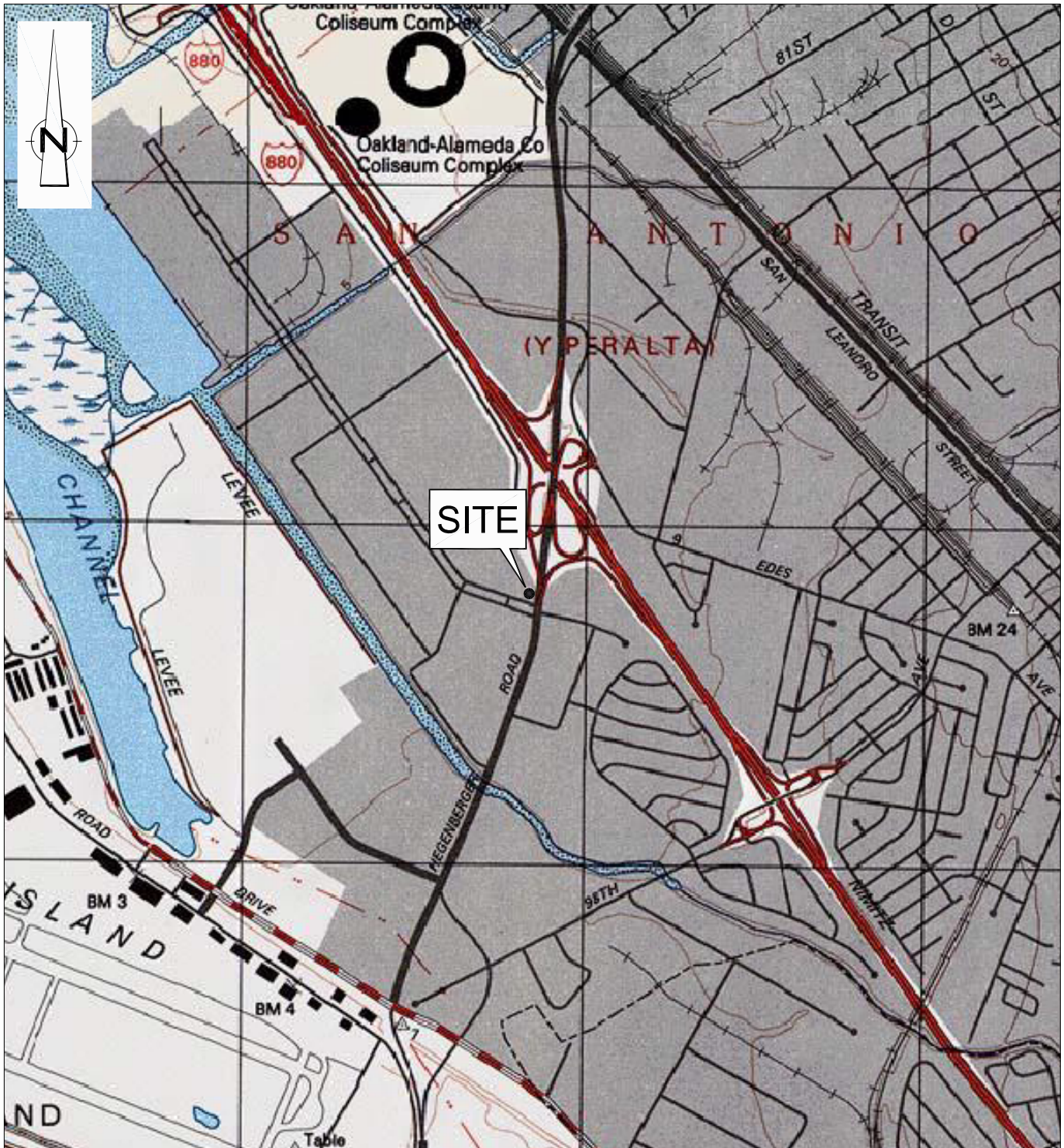
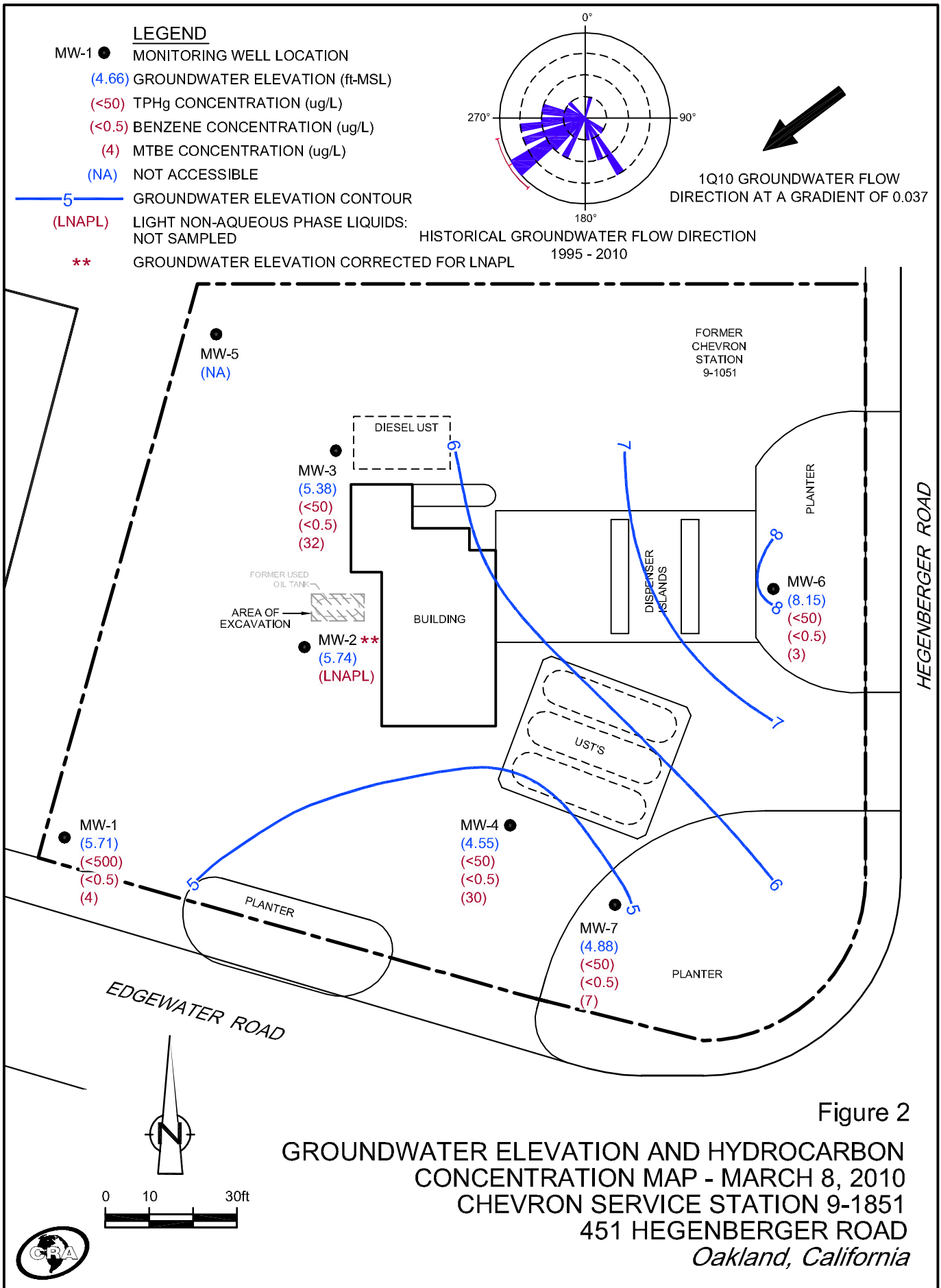


Figure 1
 VICINITY MAP
 CHEVRON SERVICE STATION 9-1851
 451 HEGENBERGER ROAD
 Oakland, California





TABLES

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	LNAPLT (ft.)	LNAPL							
					Removed (gallons)	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-1												
10/17/95	2.61	-1.51	4.12	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/29/96	2.61	-0.72	3.33	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	9.5
06/26/96	2.61	-1.23	3.84	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	46
09/25/96	2.61	-1.41	4.02	0.00	0.00	--	<250	<2.5	<2.5	<2.5	<2.5	940
12/17/96	2.61	-0.96	3.57	0.00	0.00	--	<50	0.9	<0.5	<0.5	<0.5	260
03/20/97	2.61	-1.54	4.15	0.00	0.00	--	<50	<2.0	<2.0	<2.0	<2.0	76
06/20/97	2.61	-1.72	4.33	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	64
09/09/97	2.61	-1.74	4.35	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	110
12/12/97	2.61	-0.39	3.00	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	27
02/19/98	2.61	0.78	1.83	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	14
06/23/98	2.61	-0.73	3.34	0.00	0.00	--	210	<0.5	<0.5	<0.5	<0.5	3,400
08/31/98	2.61	-0.88	3.49	0.00	0.00	--	1,400	630	<5.0	<5.0	<5.0	16,000
12/29/98	2.61	-1.22	3.83	0.00	0.00	--	<500	<5.0	<5.0	<5.0	<5.0	1,090
03/11/99	2.61	-0.43	3.04	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	33.9
06/24/99	2.61	-0.77	3.38	0.00	0.00	--	<500	65.7	<5.0	<5.0	<5.0	1,160
09/29/99	2.61	-1.01	3.62	0.00	0.00	--	81.7	<0.5	<0.5	<0.5	<0.5	1,130
12/08/99	2.61	-1.46	4.07	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	233
03/01/00	2.61	0.66	1.95	0.00	0.00	--	100	<0.5	<0.5	<0.5	<0.5	37.9
06/19/00	2.61	-0.80	3.41	0.00	0.00	--	<50	3.8	<0.50	<0.50	<0.50	88/91 ²
09/30/00	2.61	-1.23	3.84	0.00	0.00	--	<130	<1.3	<1.3	<1.3	<1.3	460/530 ²
10/05/00	2.61	-1.32	3.93	0.00	0.00	--	--	--	--	--	--	--
12/08/00	8.61	4.41	4.20	0.00	0.00	--	<50.0	<0.500	<0.500	<0.500	<0.500	58.7
03/03/01 ¹¹	8.61	6.30	2.31	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	8.9
06/19/01	8.61	5.27	3.34	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	51
09/05/01	8.61	4.84	3.77	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	180
12/10/01	8.61	6.14	2.47	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	21
03/04/02	8.61	5.48	3.13	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	47
06/03/02	8.61	2.90	5.71	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	31
09/14/02	8.61	4.86	3.75	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	140

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	LNAPLT (ft.)	LNAPL							
					Removed (gallons)	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-1 (cont)												
12/13/02	8.61	5.32	3.29	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/14/03	8.61	5.54	3.07	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	35
06/09/03 ¹³	8.61	5.09	3.52	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	69
09/03/03 ¹³	8.61	4.49	4.12	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	1
12/01/03 ¹³	8.61	5.34	3.27	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	100
03/01/04 ¹³	8.61	6.55	2.06	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	26
06/02/04 ¹³	8.61	5.31	3.30	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	93
09/03/04 ¹³	8.61	4.47	4.14	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	140
12/20/04 ¹³	8.61	4.99	3.62	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	37
03/12/05 ¹³	8.61	5.57	3.04	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	130
06/28/05 ¹³	8.61	5.33	3.28	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	93
09/01/05 ¹³	8.61	5.03	3.58	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	59
12/01/05 ¹³	8.61	5.56	3.05	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	62
03/04/06 ¹³	8.61	5.30	3.31	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	88
06/01/06 ¹³	8.61	5.17	3.44	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	36
09/01/06 ¹³	8.61	5.62	2.99	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	18
12/15/06 ¹³	8.61	5.70	2.91	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	8
03/15/07 ¹³	8.61	5.18	3.43	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	17
06/15/07 ¹³	8.61	4.94	3.67	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	8
09/06/07 ¹³	8.61	5.19	3.42	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	3
12/07/07 ¹³	8.61	5.30	3.31	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	7
03/07/08 ¹³	8.61	5.16	3.45	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	9
06/24/08 ¹³	8.61	4.85	3.76	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	3
09/11/08 ¹³	8.61	4.11	4.50	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	9
12/19/08 ¹³	8.61	4.88	3.73	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	6
03/31/09 ¹³	8.61	4.89	3.72	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	5
06/01/09 ¹³	8.61	4.77	3.84	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	3

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	LNAPLT (ft.)	LNAPL							
					Removed (gallons)	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-1 (cont)												
09/30/09 ¹³	8.61	4.81	3.80	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	1
12/10-11/09 ¹³	8.61	4.80	3.81	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	4
03/08/10¹³	8.61	5.71	2.90	0.00	0.00	--	<500	<0.5	<0.5	<0.5	<0.5	4
MW-2												
10/17/95 ³	3.51	-1.82	5.33	0.00	0.00	1,600 ⁴	170	3.5	<0.5	1.0	6.1	--
03/29/96	3.51	-0.44	3.95	0.00	0.00	3,000 ⁴	89	4.7	<0.5	0.64	0.74	21
06/26/96	3.51	-1.09	4.60	0.00	0.00	2,000 ⁴	80	8.7	<0.5	1.2	1.3	31
09/25/96	3.51	INACCESSIBLE		--	--	--	--	--	--	--	--	--
12/17/96	3.51	-0.41	3.92	0.00	0.00	2,400 ⁴	110	<0.5	<0.5	0.75	2.1	27
03/20/97	3.51	-1.32	4.83	0.00	0.00	3,400 ⁴	140	8.2	<2.0	<2.0	<2.0	58
06/20/97	3.51	-1.53	5.04	0.00	0.00	1,600 ⁴	62	7.7	<0.5	<0.5	<0.5	38
09/09/97	3.51	-1.47	4.98	0.00	0.00	82 ⁴	190	9.4	<0.5	<0.5	0.86	48
12/12/97	3.51	-0.40	3.91	0.00	0.00	8,500 ⁴	180	1.8	<0.5	<0.5	3.2	34
02/19/98	3.51	0.55	2.96	0.00	0.00	3,800 ⁴	<100	1.8	<1.0	<1.0	<1.0	230
06/23/98	3.51	-0.54	4.05	0.00	0.00	--	60	<0.5	<0.5	<0.5	<0.5	55
08/31/98	3.51	-0.80	4.31	0.00	0.00	--	61	2.2	<0.5	<0.5	1.1	53
12/29/98	3.51	-1.12	4.63	0.00	0.00	--	54	1.3	<0.5	<0.5	0.752	38.1
03/11/99	3.51	-0.01	3.52	0.00	0.00	--	648	2.9	<2.0	<2.0	<2.0	73.2
06/24/99	3.51	-0.49	4.00	0.00	0.00	--	264	.58	<0.5	1.01	<0.5	44.1
09/29/99	3.51	-0.93	4.44	0.00	0.00	--	54.3	.66	<0.5	<0.5	<0.5	35.7
12/08/99	3.51	-1.38	4.89	0.00	0.00	--	<50	1.27	<0.5	<0.5	<0.5	56.9
03/01/00	3.51	0.48	3.03	0.00	0.00	--	68	1.57	<0.5	<0.5	<0.5	110
06/19/00	3.51	-0.66	4.17	0.00	0.00	--	58 ¹	1.5	<0.50	<0.50	<0.50	90/59 ²
09/30/00	3.51	-1.15	4.66	0.00	0.00	--	<50	<0.50	0.82	<0.50	1.1	48/50 ²
10/05/00 ^{8,9}	3.51	-1.20	4.71	0.00	0.00	4,000 ⁷	--	--	--	--	--	--
12/08/00	9.52	4.55	4.97	0.00	0.00	--	<50.0	<0.500	<0.500	<0.500	<0.500	61.8
03/03/01 ¹¹	9.52	6.25	3.27	0.00	0.00	--	310 ¹²	0.60	<0.50	<0.50	1.3	97

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	LNAPLT (ft.)	LNAPL							MTBE (µg/L)
					Removed (gallons)	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	
MW-2 (cont)												
06/19/01	9.52	5.47	4.05	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	30
09/05/01	9.52	4.98	4.54	0.00	0.00	--	<50	<0.50	1.2	<0.50	<1.5	46
12/10/01	9.52	6.07	3.45	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	22
03/04/02	9.52	5.58	3.94	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	61
06/03/02	9.52	5.44	4.08	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	71
09/14/02	9.52	4.87	4.65	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	77
12/13/02	9.52	5.21	4.31	0.00	0.00	--	53	<0.50	<0.50	<0.50	<1.5	44
03/14/03	9.52	5.61	3.91	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	55
06/09/03 ¹³	9.52	5.19	4.33	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	67
09/03/03 ¹³	9.52	4.59	4.93	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	0.9
12/01/03 ¹³	9.52	5.37	4.15	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	72
03/01/04 ¹³	9.52	6.40	3.12	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	130
06/02/04 ¹³	9.52	5.31	4.21	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	46
09/03/04 ¹³	9.52	5.38	4.14	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	69
12/20/04	9.52	4.96**	4.60	0.05	0.01 ¹⁴	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	
03/12/05 ¹³	9.52	5.62	3.90	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	57
06/28/05 ¹³	9.52	5.46	4.06	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	6
09/01/05	9.52	5.03**	4.52	0.04	1.10 ¹⁴	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	
12/01/05 ¹³	9.52	5.51	4.01	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	3
03/04/06 ¹³	9.52	5.25	4.27	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	14
06/01/06 ¹³	9.52	5.12	4.40	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	35
09/01/06 ¹³	9.52	5.62	3.90	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	31
12/15/06 ¹³	9.52	5.64	3.88	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	25
03/15/07 ¹³	9.52	5.25	4.27	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	15
06/15/07 ¹⁶	9.52	5.03**	4.49	0.00	0.00	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL					--	
09/06/07 ¹³	9.52	5.20	4.32	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	43
12/07/07 ¹³	9.52	5.06	4.46	0.00	0.00	--	<250 ¹⁷	<0.5	<0.5	<0.5	<0.5	28

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	LNAPLT (ft.)	LNAPL							MTBE (µg/L)
					Removed (gallons)	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	
MW-2 (cont)												
03/07/08 ¹³	9.52	5.15**	4.38	0.01	0.01	--	<50	<0.5	<0.5	<0.5	<0.5	19
06/24/08	9.52	4.88**	5.16	0.65	0.73 ¹⁴	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL						--
09/11/08	9.52	4.30**	5.50	0.35	0.13 ¹⁴	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL						--
12/19/08	9.52	4.75**	4.80	0.04	0.50 ¹⁸	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL						--
03/31/09 ¹³	9.52	5.07	4.45	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	46
06/01/09	9.52	4.92**	4.62	0.03	0.00	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL						--
09/30/09	9.52	4.89**	4.70	0.09	0.00	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL						--
12/10-11/09	9.52	4.71**	4.89	0.10	0.00	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL						--
03/08/10¹³	9.52	5.74**	3.82	0.05	0.00	NOT SAMPLED DUE TO THE PRESENCE OF LNAPL						--
MW-3												
10/17/95 ⁵	3.08	-1.34	4.42	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/29/96	3.08	0.08	3.00	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	26
06/26/96	3.08	-0.52	3.60	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	47
09/25/96	3.08	-1.06	4.14	0.00	0.00	--	<125	<1.2	<1.2	<1.2	<1.2	570
12/17/96	3.08	-0.12	3.20	0.00	0.00	--	<500	<5.0	<5.0	<5.0	<5.0	680
03/20/97	3.08	-0.22	3.30	0.00	0.00	--	<50	<5.7	<5.7	<5.7	<5.7	430
06/20/97	3.08	-0.78	3.86	0.00	0.00	--	<500	<5.0	<5.0	<5.0	<5.0	1,400
09/09/97	3.08	-1.11	4.19	0.00	0.00	--	76 ⁴	22	<0.5	<0.5	<0.5	920
12/12/97	3.08	0.12	2.96	0.00	0.00	--	52	15	<0.5	<0.5	<0.5	710
02/19/98	3.08	0.86	2.22	0.00	0.00	--	<50	6.6	<0.5	<0.5	<0.5	380
06/23/98	3.08	-0.17	3.25	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	390
08/31/98	3.08	-0.78	3.86	0.00	0.00	--	<50	19	<0.5	<0.5	<0.5	830
12/29/98	3.08	-0.45	3.53	0.00	0.00	--	<250	<2.5	<2.5	<2.5	<2.5	416
03/11/99	3.08	-0.27	3.35	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	262
06/24/99	3.08	-0.53	3.61	0.00	0.00	--	<50	12.8	<0.5	<0.5	<0.5	620
09/29/99	3.08	-0.87	3.95	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	2,840
12/08/99	3.08	-0.46	3.54	0.00	0.00	--	73.4	<0.5	<0.5	<0.5	<0.5	1,620
03/01/00	3.08	0.65	2.43	0.00	0.00	--	<200	<2.0	<2.0	<2.0	<2.0	1,880

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	LNAPLT (ft.)	LNAPL							
					Removed (gallons)	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-3 (cont)												
06/19/00	3.08	-0.30	3.38	0.00	0.00	--	<250	20	<2.5	<2.5	<2.5	1,200/920 ²
09/30/00	3.08	-0.92	4.00	0.00	0.00	--	<250	<2.5	<2.5	<2.5	<2.5	730/2,100 ²
10/05/00	3.08	-0.94	4.02	0.00	0.00	--	--	--	--	--	--	--
12/08/00	9.08	5.38	3.70	0.00	0.00	--	<50.0	<0.500	<0.500	<0.500	<0.500	1,620
03/03/01 ¹¹	9.08	6.84	2.24	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	1,000
06/19/01	9.08	5.37	3.71	0.00	0.00	--	<120	4.8	<1.2	<1.2	<1.2	510
09/05/01	9.08	5.04	4.04	0.00	0.00	--	130	<0.50	<0.50	<0.50	<1.5	1,400
12/10/01	9.08	6.54	2.54	0.00	0.00	--	130	<0.50	<0.50	<0.50	<1.5	1,000
03/04/02	9.08	6.24	2.84	0.00	0.00	--	120	<0.50	<0.50	<0.50	<1.5	720
06/03/02	9.08	5.80	3.28	0.00	0.00	--	130	<0.50	<0.50	<0.50	<1.5	710
09/14/02	9.08	4.93	4.15	0.00	0.00	--	590	<20	<1.0	<1.0	<3.0	2,600
12/13/02	9.08	5.23	3.85	0.00	0.00	--	430	<0.50	<0.50	<0.50	<1.5	2,000
03/14/03	9.08	6.09	2.99	0.00	0.00	--	310	<0.50	<0.50	<0.50	<1.5	1,600
06/09/03 ¹³	9.08	5.74	3.34	0.00	0.00	--	330	<0.5	<0.5	<0.5	<0.5	1,800
09/03/03 ¹³	9.08	5.11	3.97	0.00	0.00	--	720	<3	<3	<3	<3	4,100
12/01/03 ¹³	9.08	5.32	3.76	0.00	0.00	--	520	<1	<1	<1	<1	2,400
03/01/04 ¹³	9.08	6.97	2.11	0.00	0.00	--	140	<0.5	<0.5	<0.5	<0.5	850
06/02/04 ¹³	9.08	5.43	3.65	0.00	0.00	--	220	<0.5	<0.5	<0.5	<0.5	1,500
09/03/04 ¹³	9.08	4.07	5.01	0.00	0.00	--	300	<1	<1	<1	<1	1,800
12/20/04 ¹³	9.08	4.23	4.85	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	86
03/12/05 ¹³	9.08	4.69	4.39	0.00	0.00	--	<50	0.6	<0.5	<0.5	<0.5	110
06/28/05 ¹³	9.08	4.52	4.56	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	23
09/01/05 ¹³	9.08	4.41	4.67	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	47
12/01/05 ¹³	9.08	4.65	4.43	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	19
03/04/06 ¹³	9.08	4.76	4.32	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	36
06/01/06 ¹³	9.08	4.56	4.52	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	29
09/01/06 ¹³	9.08	4.42	4.66	0.00	0.00	--	75	<0.5	<0.5	<0.5	<0.5	29
12/15/06 ¹³	9.08	5.01	4.07	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	14

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	LNAPLT (ft.)	LNAPL							
					Removed (gallons)	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-3 (cont)												
03/15/07 ¹³	9.08	4.82	4.26	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	24
06/15/07 ¹³	9.08	4.46	4.62	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	18
09/06/07 ¹³	9.08	4.38	4.70	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	14
12/07/07 ¹³	9.08	4.48	4.60	0.00	0.00	--	<250 ¹⁷	<0.5	<0.5	<0.5	<0.5	16
03/07/08 ¹³	9.08	4.77	4.31	0.00	0.00	--	51	<0.5	<0.5	<0.5	<0.5	20
06/24/08 ¹³	9.08	4.40	4.68	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	21
09/11/08 ¹³	9.08	4.06	5.02	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	29
12/19/08 ¹³	9.08	4.41	4.67	0.00	0.00	--	59	<0.5	<0.5	<0.5	0.9	21
03/31/09 ¹³	9.08	4.83	4.25	0.00	0.00	--	79	<0.5	<0.5	<0.5	<0.5	25
06/01/09	9.08	4.48	4.60	0.00	0.00	--	60 J	<0.5	<0.5	<0.5	<0.5	23
09/30/09 ^{13,19}	9.08	3.98	5.10	0.00	0.00	--	72 J	<0.5	<0.5	<0.5	<0.5	25
12/10-11/09	9.08	4.48	4.60	0.00	0.00	SAMPLED SEMI-ANNUALLY				--	--	--
03/08/10¹³	9.08	5.38	3.70	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	32
MW-4												
10/17/95	3.48	-1.60	5.08	0.00	0.00	--	<125	<1.2	<1.2	<1.2	<1.2	--
03/29/96	3.48	-1.13	4.61	0.00	0.00	--	<1,000	<10	<10	<10	<10	6,700
06/26/96	3.48	-0.82	4.30	0.00	0.00	--	<2,000	<20	<20	<20	<20	7,200
09/25/96	3.48	-1.85	5.33	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/17/96	3.48	0.67	2.81	0.00	0.00	--	<2,000	120	<20	<20	<20	11,000
03/20/97	3.48	-1.02	4.50	0.00	0.00	--	250 ⁴	<2.0	<2.0	<2.0	<2.0	10,000/8,600 ⁶
06/20/97	3.48	-2.20	5.68	0.00	0.00	--	<2,500	<25	<25	<25	<25	9,300
09/09/97	3.48	-2.02	5.50	0.00	0.00	--	460 ⁴	<0.5	<0.5	<0.5	<0.5	6,600
12/12/97	3.48	-1.55	5.03	0.00	0.00	--	430 ⁴	120	<2.5	<2.5	<2.5	7,800
02/19/98	3.48	0.13	3.35	0.00	0.00	--	510 ⁴	130	<0.5	<0.5	<0.5	6,600
06/23/98	3.48	-1.50	4.98	0.00	0.00	--	550 ⁴	<0.5	<0.5	<0.5	<0.5	6,800
08/31/98	3.48	-1.94	5.42	0.00	0.00	--	<500	450	<5.0	<5.0	<5.0	14,000
12/29/98	3.48	-1.58	5.06	0.00	0.00	--	<5,000	<50	<50	<50	<50	16,100

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	LNAPLT (ft.)	LNAPL							
					Removed (gallons)	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-4 (cont)												
03/11/99	3.48	-0.30	3.78	0.00	0.00	--	979	<5.0	<5.0	<5.0	<5.0	15,100
06/24/99	3.48	-0.83	4.31	0.00	0.00	--	<2,500	715	<25	<25	<25	12,400
09/29/99	3.48	-2.10	5.58	0.00	0.00	--	1,380	<5.0	<5.0	<5.0	<5.0	11,700
12/08/99	3.48	-1.85	5.33	0.00	0.00	--	318	<0.5	<0.5	<0.5	<0.5	11,100
03/01/00	3.48	-1.72	5.20	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	9,940
06/19/00	3.48	-1.88	5.36	0.00	0.00	--	<1,000	220	<10	<10	<10	7,300/9,500 ²
09/30/00	3.48	-0.29	3.77	0.00	0.00	--	740 ¹	<2.5	<2.5	<2.5	<2.5	6,000/7,800 ²
10/05/00	3.48	-0.38	3.86	0.00	0.00	--	--	--	--	--	--	--
12/08/00	9.48	5.03	4.45	0.00	0.00	--	<50.0	<0.500	<0.500	<0.500	<0.500	6,230
03/03/01 ¹¹	9.48	5.65	3.83	0.00	0.00	--	<250	<2.5	<2.5	<2.5	<2.5	3,600
06/19/01	9.48	6.11	3.37	0.00	0.00	--	<500	140	<5.0	<5.0	<5.0	2,500
09/05/01	9.48	5.52	3.96	0.00	0.00	--	400	<0.50	<0.50	<0.50	<1.5	2,800
12/10/01	9.48	4.43	5.05	0.00	0.00	--	700	<0.50	<0.50	<0.50	<1.5	3,400
03/04/02	9.48	5.81	3.67	0.00	0.00	--	660	<0.50	<0.50	<0.50	<1.5	2,900
06/03/02	9.48	4.24	5.24	0.00	0.00	--	610	<0.50	<0.50	<0.50	<1.5	3,000
09/14/02	9.48	4.26	5.22	0.00	0.00	--	490	<10	<1.0	<1.0	<3.0	2,400
12/13/02	9.48	4.81	4.67	0.00	0.00	--	440	<0.50	<0.50	<0.50	<1.5	2,200
03/14/03	9.48	4.84	4.64	0.00	0.00	--	490	<0.50	<0.50	<0.50	<1.5	2,600
06/09/03 ¹³	9.48	4.45	5.03	0.00	0.00	--	340	<0.5	<0.5	<0.5	<0.5	1,700
09/03/03 ¹³	9.48	3.83	5.65	0.00	0.00	--	320	<1	<1	<1	<1	1,600
12/01/03 ¹³	9.48	4.51	4.97	0.00	0.00	--	350	<1	<1	<1	<1	1,700
03/01/04 ¹³	9.48	4.80	4.68	0.00	0.00	--	240	<0.5	<0.5	<0.5	<0.5	1,200
06/02/04 ¹³	9.48	4.55	4.93	0.00	0.00	--	240	<0.5	<0.5	<0.5	<0.5	1,600
09/03/04 ¹³	9.48	4.49	4.99	0.00	0.00	--	270	<1	<1	<1	<1	1,500
12/20/04 ¹³	9.48	5.30	4.18	0.00	0.00	--	230	<3	<3	<3	<3	1,900
03/12/05 ¹³	9.48	4.16	5.32	0.00	0.00	--	180	<1	<1	<1	<1	1,200
06/28/05 ¹³	9.48	4.22	5.26	0.00	0.00	--	180	<0.5	<0.5	<0.5	<0.5	920
09/01/05 ¹³	9.48	4.57	4.91	0.00	0.00	--	250	<1	<1	<1	<1	1,500

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	LNAPLT (ft.)	LNAPL							
					Removed (gallons)	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-4 (cont)												
12/01/05 ¹³	9.48	4.60	4.88	0.00	0.00	--	61	<0.5	<0.5	<0.5	<0.5	260
03/04/06 ¹³	9.48	4.46	5.02	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	80
06/01/06 ¹³	9.48	5.25	4.23	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	51
09/01/06 ¹³	9.48	4.12	5.36	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	29
12/15/06 ¹³	9.48	4.54	4.94	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	19
03/15/07 ¹³	9.48	4.46	5.02	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	18
06/15/07 ¹³	9.48	4.48	5.00	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	16
09/06/07 ¹³	9.48	4.51	4.97	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	9
12/07/07 ¹³	9.48	4.97	4.51	0.00	0.00	--	<250 ¹⁷	<0.5	<0.5	<0.5	<0.5	15
03/07/08 ¹³	9.48	4.63	4.85	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	15
06/24/08 ¹³	9.48	5.75	3.73	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	15
09/11/08 ¹³	9.48	3.77	5.71	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	34
12/19/08 ¹³	9.48	4.59	4.89	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	33
03/31/09 ¹³	9.48	4.29	5.19	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	21
06/01/09 ¹³	9.48	4.45	5.03	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	23
09/30/09 ^{13,20}	9.48	4.37	5.11	0.00	0.00	--	<500	<0.5	<0.5	<0.5	<0.5	22
12/10-11/09 ¹³	9.48	0.44	9.04	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	33
03/08/10¹³	9.48	4.55	4.93	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	30
MW-5												
10/23/00 ¹⁰	8.77	4.18	4.59	0.00	0.00	--	<50	<0.500	<0.500	<0.500	<0.500	4.34
12/08/00	8.77	5.34	3.43	0.00	0.00	--	<50.0	<0.500	<0.500	<0.500	<0.500	11.0
03/03/01 ¹¹	8.77	6.37	2.40	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	24
06/19/01	8.77	INACCESSIBLE - CAR PARKED OVER WELL					--	--	--	--	--	--
09/05/01	8.77	5.02	3.75	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	31
12/10/01	8.77	5.98	2.79	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	45
03/04/02	8.77	6.25	2.52	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	29

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	LNAPLT (ft.)	LNAPL							
					Removed (gallons)	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-5 (cont)												
06/03/02	8.77	5.57	3.20	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	40
09/14/02	8.77	4.92	3.85	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	92
12/13/02	8.77	5.32	3.45	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	32
03/14/03	8.77	5.82	2.95	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	71
06/09/03 ¹³	8.77	5.58	3.19	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	79
09/03/03 ¹³	8.77	4.98	3.79	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	2
12/01/03 ¹³	8.77	5.43	3.34	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	52
03/01/04 ¹³	8.77	6.29	2.48	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	120
06/02/04 ¹³	8.77	5.66	3.11	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	110
09/03/04 ¹³	8.77	3.66	5.11	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	80
12/20/04 ¹³	8.77	3.67	5.10	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	62
03/12/05 ¹³	8.77	4.06	4.71	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	58
06/28/05 ¹³	8.77	3.84	4.93	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	64
09/01/05 ¹³	8.77	3.85	4.92	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	61
12/01/05 ¹³	8.77	3.96	4.81	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	50
03/04/06 ¹³	8.77	3.99	4.78	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	49
06/01/06 ¹³	8.77	3.88	4.89	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	38
09/01/06 ¹³	8.77	3.83	4.94	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	32
12/15/06 ¹³	8.77	4.09	4.68	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	26
03/15/07 ¹³	8.77	3.89	4.88	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	23
06/15/07 ¹³	8.77	3.90	4.87	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	22
09/06/07 ¹³	8.77	4.00	4.77	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	17
12/07/07 ¹³	8.77	3.78	4.99	0.00	0.00	--	<250 ¹⁷	<0.5	<0.5	<0.5	<0.5	22
03/07/08 ¹³	8.77	3.88	4.89	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	18
06/24/08 ¹³	8.77	3.65	5.12	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	18
09/11/08 ¹³	8.77	3.56	5.21	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	18
12/19/08 ¹³	8.77	3.79	4.98	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	17

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	LNAPLT (ft.)	LNAPL								
					Removed (gallons)	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	
MW-5 (cont)													
03/31/09 ¹³	8.77	3.85	4.92	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	11	
06/01/09 ¹³	8.77	INACCESSIBLE - CAR PARKED OVER WELL					--	--	--	--	--	--	--
09/30/09 ^{13,19}	8.77	3.45	5.32	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	14	
12/10-11/09	8.77	4.01	4.76	0.00	0.00	SAMPLED SEMI-ANNUALLY				--	--	--	
03/08/10¹³	8.77	INACCESSIBLE - CAR PARKED OVER WELL					--	--	--	--	--	--	
MW-6													
10/23/00 ¹⁰	11.45	4.30	7.15	0.00	0.00	--	<50	<0.500	<0.500	<0.500	<0.500	5.96	
12/08/00	11.45	4.61	6.84	0.00	0.00	--	<50.0	<0.500	<0.500	<0.500	<0.500	8.80	
03/03/01 ¹¹	11.45	5.32	6.13	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	9.0	
06/19/01	11.45	5.65	5.80	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	
09/05/01	11.45	6.29	5.16	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	
12/10/01	11.45	6.64	4.81	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	
03/04/02	11.45	7.29	4.16	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	
06/03/02	11.45	5.74	5.71	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	
09/14/02	11.45	4.80	6.65	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	
12/13/02	11.45	5.06	6.39	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	
03/14/03	11.45	4.98	6.47	0.00	0.00	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	
06/09/03 ¹³	11.45	4.67	6.78	0.00	0.00	--	<50	<0.5	0.7	<0.5	<0.5	1	
09/03/03 ¹³	11.45	4.37	7.08	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	0.8	
12/01/03 ¹³	11.45	7.88	3.57	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
03/01/04 ¹³	11.45	8.27	3.18	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	25	
06/02/04 ¹³	11.45	7.95	3.50	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
09/03/04 ¹³	11.45	9.28	2.17	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	0.6	
12/20/04 ¹³	11.45	5.42	6.03	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	0.6	
03/12/05 ¹³	11.45	6.40	5.05	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
06/28/05 ¹³	11.45	9.09	2.36	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
09/01/05 ¹³	11.45	8.58	2.87	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	1	

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	LNAPLT (ft.)	LNAPL							
					Removed (gallons)	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-6 (cont)												
12/01/05 ¹³	11.45	8.55	2.90	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/04/06 ¹³	11.45	7.74	3.71	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/01/06 ¹³	11.45	8.88	2.57	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/01/06 ¹³	11.45	9.09	2.36	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	1
12/15/06 ¹³	11.45	8.29	3.16	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/15/07 ¹³	11.45	9.03	2.42	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/15/07 ¹³	11.45	8.13	3.32	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/06/07 ¹³	11.45	6.04	5.41	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	0.6
12/07/07 ¹³	11.45	5.51	5.94	0.00	0.00	--	<250 ¹⁷	<0.5	<0.5	<0.5	<0.5	1
03/07/08 ¹³	11.45	5.23	6.22	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/24/08 ¹³	11.45	8.97	2.48	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/11/08 ¹³	11.45	8.88	2.57	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	1
12/19/08 ¹³	11.45	7.78	3.67	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	1
03/31/09 ¹³	11.45	6.27	5.18	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	0.7
06/01/09 ¹³	11.45	5.32	6.13	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	0.9 J
09/30/09 ¹³	11.45	5.32	6.13	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	4
12/10-11/09	11.45	8.91	2.54	0.00	0.00	SAMPLED SEMI-ANNUALLY				--	--	--
03/08/10¹³	11.45	8.15	3.30	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	3
MW-7												
10/23/00 ¹⁰	10.58	4.33	6.25	0.00	0.00	--	<50	<0.500	<0.500	<0.500	<0.500	1,210
12/08/00	10.58	3.35	7.23	0.00	0.00	--	<50.0	<0.500	<0.500	<0.500	<0.500	338
03/03/01 ¹¹	10.58	4.31	6.27	0.00	0.00	--	72 ¹²	<0.50	<0.50	<0.50	<0.50	460
06/19/01	10.58	4.76	5.82	0.00	0.00	--	110 ¹	18	<0.50	<0.50	<0.50	440
09/05/01	10.58	4.04	6.54	0.00	0.00	--	180	<0.50	<0.50	<0.50	<1.5	640
12/10/01	10.58	5.04	5.54	0.00	0.00	--	110	<0.50	<0.50	<0.50	<1.5	390
03/04/02	10.58	3.68	6.90	0.00	0.00	--	220	1.1	<0.50	3.0	<1.5	460

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	LNAPLT (ft.)	LNAPL							
					Removed (gallons)	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-7 (cont)												
06/03/02	10.58	4.94	5.64	0.00	0.00	--	130	<0.50	<0.50	<0.50	<1.5	350
09/14/02	10.58	3.55	7.03	0.00	0.00	--	120	<2.0	<0.50	<0.50	<1.5	340
12/13/02	10.58	4.99	5.59	0.00	0.00	--	57	<0.50	<0.50	<0.50	<1.5	150
03/14/03	10.58	4.60	5.98	0.00	0.00	--	77	<0.50	<0.50	<0.50	<1.5	240
06/09/03 ¹³	10.58	4.32	6.26	0.00	0.00	--	79	<0.5	<0.5	<0.5	<0.5	210
09/03/03 ¹³	10.58	3.72	6.86	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	0.8
12/01/03 ¹³	10.58	5.11	5.47	0.00	0.00	--	58	<0.5	<0.5	<0.5	<0.5	130
03/01/04 ¹³	10.58	4.60	5.98	0.00	0.00	--	71	<0.5	<0.5	<0.5	<0.5	180
06/02/04 ¹³	10.58	5.77	4.81	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	87
09/03/04 ¹³	10.58	4.16	6.42	0.00	0.00	--	55	<0.5	<0.5	<0.5	<0.5	140
12/20/04 ¹³	10.58	4.36	6.22	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	130
03/12/05 ¹³	10.58	4.79	5.79	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	110
06/28/05 ¹³	10.58	5.96	4.62	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	30
09/01/05 ¹³	10.58	5.80	4.78	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	70
12/01/05 ¹³	10.58	6.57	4.01	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	35
03/04/06 ¹³	10.58	4.69	5.89	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	49
06/01/06 ¹³	10.58	5.48	5.10	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	35
09/01/06 ¹³	10.58	5.27	5.31	0.00	0.00	--	<50	0.5	5	<0.5	5	17
12/15/06 ¹³	10.58	4.69	5.89	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	20
03/15/07 ¹³	10.58	4.91	5.67	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	19
06/15/07 ¹³	10.58	5.53	5.05	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	12
09/06/07 ¹³	10.58	5.16	5.42	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	14
12/07/07 ¹³	10.58	5.20	5.38	0.00	0.00	--	<250 ¹⁷	<0.5	<0.5	<0.5	<0.5	8
03/07/08 ¹³	10.58	5.04	5.54	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	8
06/24/08 ¹³	10.58	4.48	6.10	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	9
09/11/08 ¹³	10.58	3.72	6.86	0.00	0.00	--	99	<0.5	<0.5	<0.5	<0.5	16
12/19/08 ¹³	10.58	4.04	6.54	0.00	0.00	--	<50	<0.5	0.7	<0.5	1	9

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	LNAPLT (ft.)	LNAPL							
					Removed (gallons)	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
MW-7 (cont)												
03/31/09 ¹³	10.58	3.99	6.59	0.00	0.00	--	53	<0.5	<0.5	<0.5	<0.5	8
06/01/09 ¹³	10.58	4.10	6.48	0.00	0.00	--	70 J	<0.5	<0.5	<0.5	<0.5	9
09/30/09 ¹³	10.58	3.11	7.47	0.00	0.00	--	110	<0.5	<0.5	<0.5	<0.5	11
12/10-11/09	10.58	3.65	6.93	0.00	0.00	SAMPLED SEMI-ANNUALLY				--	--	--
03/08/10¹³	10.58	4.88	5.70	0.00	0.00	--	<50	<0.5	<0.5	<0.5	<0.5	7
TRIP BLANK												
10/17/95	--	--	--	--	--	--	--	--	--	--	--	--
03/29/96	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/26/96	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/25/96	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/17/96	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/20/97	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/20/97	--	--	--	--	--	--	<50	<2.0	<2.0	<2.0	<2.0	--
09/09/97	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/12/97	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/19/98	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/23/98	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
08/31/98	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/29/98	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0
03/11/99	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
06/24/99	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/29/99	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/08/99	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
03/01/00	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/19/00	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
09/30/00	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
10/05/00	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
12/08/00	--	--	--	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50
03/03/01 ¹¹	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
 CHEVRON SERVICE STATION 9-1851
 451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	LNAPLT (ft.)	LNAPL							
					Removed (gallons)	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
TRIP BLANK (cont)												
06/19/01	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
09/05/01	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
QA												
12/10/01	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/04/02	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
06/03/02	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
09/14/02	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
12/13/02	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
03/14/03	--	--	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
06/09/03 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/03/03 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/01/03 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/01/04 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/02/04 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/03/04 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/20/04 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/12/05 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/28/05 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/01/05 ¹³	--	--	--	--	--	--	<50	<0.5	3 ¹⁵	<0.5	2 ¹⁵	<0.5
12/01/05 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/04/06 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/01/06 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/01/06 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/15/06 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/15/07 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/15/07 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/06/07 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	LNAPLT (ft.)	LNAPL							
					Removed (gallons)	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)
QA (cont)												
12/07/07 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/07/08 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
06/24/08 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/11/08 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/19/08 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/31/09 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	0.7 ²¹	<0.5
06/01/09 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
09/30/09 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
12/10-11/09 ¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5
03/08/10¹³	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5

EXPLANATIONS:

Groundwater data and analytical results compiled by: Blaine Tech from October, 1995 to June, 2000; Gettler-Ryan from June, 2000 to June, 2009; and Blaine Tech and CRA from June, 2009 to present.

TOC = Top of Casing

(ft.) = Feet

GWE = Groundwater Elevation

LNAPLT = Light Non-Aqueous Phase Liquid Thickness

LNAPL = Light Non-Aqueous Phase Liquid

(ft-msl) = Feet above mean sea level

DTW = Depth to Water

TPHd = Total Petroleum Hydrocarbons as Diesel

TPHg = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl Tertiary Butyl Ether

(ppb) = Parts per billion

(µg/L) = Micrograms per liter

-- = Not Measured/Not Analyzed

QA = Quality Assurance/Trip Blank

J = Estimated value

U = Compound was not detected

* 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: $[(\text{TOC} - \text{DTW}) + (\text{LNAPLT} \times 0.80)]$.

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.

GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

WELL ID/ DATE	TOC* (ft.)	GWE (msl)	DTW (ft.)	LNAPLT (ft.)	LNAPL								
					Removed (gallons)	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	
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.
8													Sample analyzed for Total Metals by EPA 200 Series Methods. All Analytes were less then 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 (SVOCs) by EPA Method 8270 were all less then the reporting limit except for Bis(2-ethylhexyl)phthalate was detected at 14 ppb, which may be a possible contamination.
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 xylenes (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

TABLE 2

**GROUNDWATER ANALYTICAL RESULTS - OXYGENATE COMPOUNDS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA**

<i>WELL ID/ DATE</i>	<i>ETHANOL (µg/L)</i>	<i>TBA (µg/L)</i>	<i>MTBE (µg/L)</i>	<i>DIPE (µg/L)</i>	<i>ETBE (µg/L)</i>
MW-1					
06/23/98	<50,000	<10,000	4,500	<200	<200
08/31/98	--	--	17,000	--	--
03/11/99	--	--	54.1	--	--
06/24/99	<10,000	<2,000	1,800	<20	<20
06/19/00	<500	<100	91	<2.0	<2.0
09/30/00	--	--	530	--	--
06/09/03	--	--	69	--	--
09/03/03	<50	--	1	--	--
12/01/03	<50	--	100	--	--
03/01/04	<50	--	26	--	--
06/02/04	<50	--	93	--	--
09/03/04	<50	--	140	--	--
12/20/04	<50	--	37	--	--
03/12/05	<50	--	130	--	--
06/28/05	<50	--	93	--	--
09/01/05	<50	--	59	--	--
12/01/05	<50	--	62	--	--
03/04/06	<50	--	88	--	--
06/01/06	<50	--	36	--	--
09/01/06	<50	--	18	--	--
12/15/06	<50	--	8	--	--
03/15/07	<50	--	17	--	--

TABLE 2

**GROUNDWATER ANALYTICAL RESULTS - OXYGENATE COMPOUNDS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA**

<i>WELL ID/ DATE</i>	<i>ETHANOL (µg/L)</i>	<i>TBA (µg/L)</i>	<i>MTBE (µg/L)</i>	<i>DIPE (µg/L)</i>	<i>ETBE (µg/L)</i>
MW-1 (cont)					
06/15/07	<50	--	8	--	--
09/06/07	<50	--	3	--	--
12/07/07	<50	--	7	--	--
03/07/08	<50	--	9	--	--
06/24/08	<50	--	9	--	--
12/19/08	<50	--	6	--	--
03/31/09	<50	--	5	--	--
06/01/09	<50	--	3	--	--
09/30/09	<50	--	1	--	--
12/10-11/09	<50	--	4	--	--
03/08/10	<50	--	4	--	--
MW-2					
06/23/98	<500	<100	56	<2.0	<2.0
03/11/99	--	--	101	--	--
06/24/99	<1,000	<200	52.5	<2.0	<2.0
06/19/00	<500	<100	59	<2.0	<2.0
09/30/00	--	--	50	--	--
06/09/03	--	--	67	--	--
09/03/03	<50	--	0.9	--	--
12/01/03	<50	--	72	--	--
03/01/04	<50	--	130	--	--

TABLE 2

**GROUNDWATER ANALYTICAL RESULTS - OXYGENATE COMPOUNDS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA**

<i>WELL ID/ DATE</i>	<i>ETHANOL (µg/L)</i>	<i>TBA (µg/L)</i>	<i>MTBE (µg/L)</i>	<i>DIPE (µg/L)</i>	<i>ETBE (µg/L)</i>
MW-2 (cont)					
06/02/04	<50	--	46	--	--
09/03/04	<50	--	69	--	--
12/20/04	NOT SAMPLED DUE TO THE PERSENCE OF LNAPL				--
03/12/05	<50	--	57	--	--
06/28/05	<50	--	6	--	--
09/01/05	NOT SAMPLED DUE TO THE PERSENCE OF LNAPL				--
12/01/05	<50	--	3	--	--
03/04/06	<50	--	14	--	--
06/01/06	<50	--	35	--	--
09/01/06	<50	--	31	--	--
12/15/06	<50	--	25	--	--
03/15/07	<50	--	15	--	--
06/15/07	NOT SAMPLED DUE TO THE PERSENCE OF LNAPL				--
09/06/07	<50	--	43	--	--
12/07/07	<50	--	28	--	--
03/07/08	<50	--	19	--	--
06/24/08	NOT SAMPLED DUE TO THE PERSENCE OF LNAPL				--
09/11/08	NOT SAMPLED DUE TO THE PERSENCE OF LNAPL				--
12/19/08	NOT SAMPLED DUE TO THE PERSENCE OF LNAPL				--
03/31/09	<50	--	46	--	--
06/01/09	NOT SAMPLED DUE TO THE PERSENCE OF LNAPL				--
09/30/09	NOT SAMPLED DUE TO THE PERSENCE OF LNAPL				--

TABLE 2

**GROUNDWATER ANALYTICAL RESULTS - OXYGENATE COMPOUNDS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA**

<i>WELL ID/ DATE</i>	<i>ETHANOL (µg/L)</i>	<i>TBA (µg/L)</i>	<i>MTBE (µg/L)</i>	<i>DIPE (µg/L)</i>	<i>ETBE (µg/L)</i>
MW-2 (cont)					
12/10-11/2009	NOT SAMPLED DUE TO THE PERSENCE OF LNAPL			--	--
03/08/10	NOT SAMPLED DUE TO THE PERSENCE OF LNAPL			--	--
MW-3					
06/23/98	<5,000	<1,000	420	<20	<20
03/11/99	--	--	580	--	--
06/24/99	<6,670	<1,330	900	<13.3	<13.3
06/19/00	570	<100	920	<2.0	<2.0
09/30/00	--	--	2,100	--	--
06/09/03	--	--	1,800	--	--
09/03/03	<250	--	4,100	--	--
12/01/03	<130	--	2,400	--	--
03/01/04	<50	--	850	--	--
06/02/04	<50	--	1,500	--	--
09/03/04	<100	--	1,800	--	--
12/20/04	<50	--	86	--	--
03/12/05	<50	--	110	--	--
06/28/05	<50	--	23	--	--
09/01/05	<50	--	47	--	--
12/01/05	<50	--	19	--	--
03/04/06	<50	--	36	--	--
06/01/06	<50	--	29	--	--

TABLE 2

**GROUNDWATER ANALYTICAL RESULTS - OXYGENATE COMPOUNDS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA**

<i>WELL ID/ DATE</i>	<i>ETHANOL (µg/L)</i>	<i>TBA (µg/L)</i>	<i>MTBE (µg/L)</i>	<i>DIPE (µg/L)</i>	<i>ETBE (µg/L)</i>
MW-3 (cont)					
09/01/06	<50	--	29	--	--
12/15/06	<50	--	14	--	--
03/15/07	<50	--	24	--	--
06/15/07	<50	--	18	--	--
09/06/07	<50	--	14	--	--
12/07/07	<50	--	16	--	--
03/07/08	<50	--	20	--	--
06/24/08	<50	--	21	--	--
09/11/08	<50	--	29	--	--
12/19/08	<50	--	21	--	--
03/31/09	<50	--	25	--	--
06/01/09	<50	--	23	--	--
09/30/09	<50	--	25	--	--
12/10-11/2009	SAMPLED SEMI-ANNUALLY		--	--	--
03/08/10	<50	--	32	--	--
MW-4					
06/23/98	<50,000	<10,000	11,000	<200	<200
03/11/99	--	--	17,600	--	--
06/24/99	<125,000	<25,000	17,000	<250	<250
06/19/00	<25,000	<5,000	9,500	<100	<100
09/30/00	--	--	7,800	--	--

TABLE 2

**GROUNDWATER ANALYTICAL RESULTS - OXYGENATE COMPOUNDS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA**

<i>WELL ID/ DATE</i>	<i>ETHANOL (µg/L)</i>	<i>TBA (µg/L)</i>	<i>MTBE (µg/L)</i>	<i>DIPE (µg/L)</i>	<i>ETBE (µg/L)</i>
MW-4 (cont)					
06/09/03	--	--	1,700	--	--
09/03/03	<130	--	1,600	--	--
12/01/03	<100	--	1,700	--	--
03/01/04	<50	--	1,200	--	--
06/02/04	<50	--	1,600	--	--
09/03/04	<100	--	1,500	--	--
12/20/04	<250	--	1,900	--	--
03/12/05	<100	--	1,200	--	--
06/28/05	<50	--	920	--	--
09/01/05	<100	--	1,500	--	--
12/01/05	<50	--	260	--	--
03/04/06	<50	--	80	--	--
06/01/06	<50	--	51	--	--
09/01/06	<50	--	29	--	--
12/15/06	<50	--	19	--	--
03/15/07	<50	--	18	--	--
06/15/07	<50	--	16	--	--
09/06/07	<50	--	9	--	--
12/07/07	<50	--	15	--	--
03/07/08	<50	--	15	--	--
06/24/08	<50	--	15	--	--
09/11/08	<50	--	34	--	--

TABLE 2

**GROUNDWATER ANALYTICAL RESULTS - OXYGENATE COMPOUNDS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA**

<i>WELL ID/ DATE</i>	<i>ETHANOL (µg/L)</i>	<i>TBA (µg/L)</i>	<i>MTBE (µg/L)</i>	<i>DIPE (µg/L)</i>	<i>ETBE (µg/L)</i>
MW-4 (cont)					
12/19/08	<50	--	33	--	--
03/31/09	<50	--	21	--	--
06/01/09	<50	--	23	--	--
09/30/09	<50	--	22	--	--
12/10-11/09	<50	--	33	--	--
03/08/10	<50	--	30	--	--
MW-5					
10/23/00	<1,000	<100	4.34	<2.00	<2.00
06/09/03	--	--	79	--	--
09/03/03	<50	--	2	--	--
12/01/03	<50	--	52	--	--
03/01/04	<50	--	120	--	--
06/02/04	<50	--	110	--	--
09/03/04	<50	--	80	--	--
12/20/04	<50	--	62	--	--
03/12/05	<50	--	58	--	--
06/28/05	<50	--	64	--	--
09/01/05	<50	--	61	--	--
12/01/05	<50	--	50	--	--
03/04/06	<50	--	49	--	--
06/01/06	<50	--	38	--	--

TABLE 2

**GROUNDWATER ANALYTICAL RESULTS - OXYGENATE COMPOUNDS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA**

<i>WELL ID/ DATE</i>	<i>ETHANOL (µg/L)</i>	<i>TBA (µg/L)</i>	<i>MTBE (µg/L)</i>	<i>DIPE (µg/L)</i>	<i>ETBE (µg/L)</i>
MW-5 (cont)					
09/01/06	<50	--	32	--	--
12/15/06	<50	--	26	--	--
03/15/07	<50	--	23	--	--
06/15/07	<50	--	22	--	--
09/06/07	<50	--	17	--	--
12/07/07	<50	--	22	--	--
03/07/08	<50	--	18	--	--
06/24/08	<50	--	18	--	--
09/11/08	<50	--	18	--	--
12/19/08	<50	--	17	--	--
03/31/09	<50	--	11	--	--
06/01/09	INACCESSIBLE - CAR PARKED OVER WELL			--	--
09/30/09	<50	--	14	--	--
12/10-11/2009	SAMPLED SEMI-ANNUALLY			--	--
03/08/10	INACCESSIBLE - CAR PARKED OVER WELL			--	--
MW-6					
10/23/00	<1,000	<100	5.96	<2.00	<2.00
06/09/03	--	--	1	--	--
09/03/03	<50	--	0.8	--	--
12/01/03	<50	--	<0.5	--	--
03/01/04	<50	--	25	--	--

TABLE 2

**GROUNDWATER ANALYTICAL RESULTS - OXYGENATE COMPOUNDS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA**

<i>WELL ID/ DATE</i>	<i>ETHANOL (µg/L)</i>	<i>TBA (µg/L)</i>	<i>MTBE (µg/L)</i>	<i>DIPE (µg/L)</i>	<i>ETBE (µg/L)</i>
MW-6 (cont)					
06/02/04	<50	--	<0.5	--	--
09/03/04	<50	--	0.6	--	--
12/20/04	<50	--	0.6	--	--
03/12/05	<50	--	<0.5	--	--
06/28/05	<50	--	<0.5	--	--
09/01/05	<50	--	1	--	--
12/01/05	<50	--	<0.5	--	--
03/04/06	<50	--	<0.5	--	--
06/01/06	<50	--	<0.5	--	--
09/01/06	<50	--	1	--	--
12/15/06	<50	--	<0.5	--	--
03/15/07	<50	--	<0.5	--	--
06/15/07	<50	--	<0.5	--	--
09/06/07	<50	--	0.6	--	--
12/07/07	<50	--	1	--	--
03/07/08	<50	--	<0.5	--	--
06/24/08	<50	--	<0.5	--	--
09/11/08	<50	--	1	--	--
12/19/08	<50	--	1	--	--
03/31/09	<50	--	0.7	--	--
06/01/09	<50	--	0.9 J	--	--
09/30/09	<50	--	4	--	--

TABLE 2

**GROUNDWATER ANALYTICAL RESULTS - OXYGENATE COMPOUNDS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA**

<i>WELL ID/ DATE</i>	<i>ETHANOL (µg/L)</i>	<i>TBA (µg/L)</i>	<i>MTBE (µg/L)</i>	<i>DIPE (µg/L)</i>	<i>ETBE (µg/L)</i>
MW-6 (cont)					
12/10-11/2009	SAMPLED SEMI-ANNUALLY		--	--	--
03/08/10	<50	--	3	--	--
MW-7					
10/23/00	<6,670	<667	1,210	13.3	13.3
06/09/03	--	--	210	--	--
09/03/03	<50	--	0.8	--	--
12/01/03	<50	--	130	--	--
03/01/04	<50	--	180	--	--
06/02/04	<50	--	87	--	--
09/03/04	<50	--	140	--	--
12/20/04	<50	--	130	--	--
03/12/05	<50	--	110	--	--
06/28/05	<50	--	30	--	--
09/01/05	<50	--	70	--	--
12/01/05	<50	--	35	--	--
03/04/06	<50	--	49	--	--
06/01/06	<50	--	35	--	--
09/01/06	<50	--	17	--	--
12/15/06	<50	--	20	--	--
03/15/07	<50	--	19	--	--
06/15/07	<50	--	12	--	--

TABLE 2

**GROUNDWATER ANALYTICAL RESULTS - OXYGENATE COMPOUNDS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA**

<i>WELL ID/ DATE</i>	<i>ETHANOL (µg/L)</i>	<i>TBA (µg/L)</i>	<i>MTBE (µg/L)</i>	<i>DIPE (µg/L)</i>	<i>ETBE (µg/L)</i>
MW-7 (cont)					
09/06/07	<50	--	14	--	--
12/07/07	<50	--	8	--	--
03/07/08	<50	--	8	--	--
06/24/08	<50	--	9	--	--
09/11/08	<50	--	16	--	--
12/19/08	<50	--	9	--	--
03/31/09	<50	--	8	--	--
06/01/09	<50	--	9	--	--
09/30/09	<50	--	11	--	--
12/10-11/2009	SAMPLED SEMI-ANNUALLY		--	--	--
03/08/10	<50	--	7	--	--

EXPLANATIONS:

Groundwater laboratory analytical results prior to June 19, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TBA = t-Butyl alcohol

MTBE = Methyl Tertiary Butyl Ether

DIPE = di-Isopropyl ether

ETBE = Ethyl t-butyl ether

TAME = t-Amyl methyl ether

(µg/L) = Micrograms per liter

LNAPL = Light Non-Aqueous Phase Liquids

-- = Not Analyzed

J = Estimated value

U = Compound was not detected

TABLE 3

**GROUNDWATER ANALYTICAL RESULTS
CHEVRON SERVICE STATION 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA**

WELL ID/ DATE	TOG (µg/L)	Benzene by (EPA 8240) (µg/L)	Xylene by (EPA 8240) (µg/L)	C-1,2- DCE (µg/L)	Carbon Disulfide (µg/L)	Vinyl Chloride (µg/L)
MW-2						
10/17/95	<5,000	--	--	11	--	--
03/29/96	--	11	2.5	17	--	5.4
06/26/96	--	11	<2.0	15	--	12
09/25/96	--	--	--	--	--	--
12/17/96	--	10	<2.0	2.3	--	5.5
03/20/97	--	--	--	<2.0	--	3.2
06/20/97	--	7.2	<2.0	4.6	2.2	5.2
09/09/97	--	11	<2.0	<2.0	<2.0	<2.0
12/12/97	--	<2.0	<2.0	<2.0	<2.0	<2.0
02/19/98	--	<3.3	<3.3	<3.3	<3.3	<3.3

EXPLANATIONS:

Groundwater laboratory analytical results were compiled from reports prepared by Blaine Tech Services, Inc.

TOG = Total Oil and Grease

c-1,2-DCE = cis-1,2-Dichloroethene

(µg/L) = Micrograms per liter

-- = Not Analyzed

ATTACHMENT A

MARCH 9, 2010 BLAINE TECH FIRST QUARTER 2010 SAMPLING REPORT



March 9, 2010

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

First Quarter 2010 Monitoring at
Chevron Service Station 91851
451 Hegenberger Rd.
Oakland, CA

Monitoring performed on March 8, 2010

Blaine Tech Services, Inc. Groundwater Monitoring Event 100308-JO2

This submission covers the routine monitoring of groundwater wells conducted on March 8, 2010 at this location. Six monitoring wells were measured for depth to groundwater (DTW). Five 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.

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 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: Charlotte Evans
5900 Hollis St. Suite A
Emeryville, CA 94608

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

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 # 100308-501 Date 3-8-10 Client Cherway

Site 451 Heysenberger Rd Oakland CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-1	1035	2					2.90	14.43	↓	
MW-2	1056	2	odor	3.77	3.77 0.05		3.82	—		
MW-3	1652	2				3.70	14.44			
MW-4	1046	2				4.93	14.93			
MW-5			well parked over							
MW-6	1048	2				3.30	9.71			
MW-7	1044	2				5.20	13.07 13.02			

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>100300-202</u>	Station #: <u>9-1851</u>
Sampler: <u>SO</u>	Date: <u>3-8-10</u>
Weather: <u>windy</u>	Ambient Air Temperature: <u>60°F</u>
Well I.D.: <u>MW-1</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth: <u>14.43</u>	Depth to Water: <u>2.90</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>5.21</u>	

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

$\frac{1.8 \text{ (Gals.)} \times 3}{1 \text{ Case Volume}} = 5.4 \text{ Gals.}$	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	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	
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
1107	62.1	6.68	2088	28	1.8	
1110	62.0	6.70	2027	31	3.6	
1113	62.1	6.75	2013	37	5.4	

new disp equipment used sampled out of order

Did well dewater? Yes No Gallons actually evacuated: 5.4

Sampling Date: 3-8-10 Sampling Time: 1115 Depth to Water: 3.57

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

Analyzed for: TPH-G BTEX MTBE OXYS Other: see coc

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

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

CHECKOUT WELL MONITORING DATA SHEET

Project #: 100300-202	Station #: 9-1851
Sampler: 30	Date: 3-8-10
Weather: windy	Ambient Air Temperature: 61° F
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 _____
Total Well Depth: —	Depth to Water: 377 382
Depth to Free Product: 377	Thickness of Free Product (feet): 0.05
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: —	

Purge Method:

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

Sampling Method:

- Bailer
- Disposable Bailer**
- Extraction Port
- Dedicated Tubing
- Other: _____

_____ (Gals.) X 3	=	_____ 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 µS)	Turbidity (NTUs)	Gals. Removed	Observations
SPT	In	well	no sample	taken		
SPT	is	thick	Heavy	Sheen	can	Enter here properly.

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: **3-8-10** Sampling Time: _____ Depth to Water: _____

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

Analyzed for: TPH-G BTEX MTBE OXYS Other: **see coc**

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

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

CHECK-IN WELL MONITORING DATA SHEET

Project #: 100300-002	Station #: 9-1851
Sampler: SO	Date: 3-8-10
Weather: windy	Ambient Air Temperature: 62° F
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 _____
Total Well Depth: 14.44	Depth to Water: 3.70
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]: 5.84	

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

1.7 (Gals.) X 3 = 5.1 Gals.		
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1244	63.1	6.80	9.16	462	1.7	odor
1247	63.2	6.81	10.24	491	3.4	" "
1250	63.1	6.83	11.11	498	5.1	" "

no disp equipment used sampled out of order

Did well dewater? Yes No Gallons actually evacuated: **5.1**

Sampling Date: **3-8-10** Sampling Time: **1300** Depth to Water: **5.29**

Sample I.D.: **MW-3** Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: **see coc**

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

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

CHEVROON WELL MONITORING DATA SHEET

Project #: 100300-202	Station #: 9-1851
Sampler: SO	Date: 3-8-10
Weather: Windy / showers	Ambient Air Temperature: 61° F
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 _____
Total Well Depth: 14.93	Depth to Water: 4.93
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 6.93	

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

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

1.6 (Gals.) X **3** = **4.8** 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 µS)	Turbidity (NTUs)	Gals. Removed	Observations
1124	62.7	6.78	12.61	32	1.6	
1127	63.0	6.82	14.08	38	3.2	
1130	63.2	6.88	14.06	44	4.8	

w disp. equipment used sampled out of order

Did well dewater? Yes No Gallons actually evacuated: **4.8**

Sampling Date: **3-8-10** Sampling Time: **1135** Depth to Water: **6.21**

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

Analyzed for: TPH-G BTEX MTBE OXYS Other: **see coc**

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

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

CHEVRON WELL MONITORING DATA SHEET

Project #: 100300-202	Station #: 9-1851
Sampler: SO	Date: 3-8-10
Weather:	Ambient Air Temperature:
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 _____
Total Well Depth: _____	Depth to Water: _____
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: _____	

Purge Method:

Bailer
 Disposable Bailer
 Positive Air Displacement
 Electric Submersible

~~Water~~
 Peristaltic
 Extraction Pump
 Other _____

Sampling Method:

Bailer
 Disposable Bailer
 Extraction Port
 Dedicated Tubing
 Other: _____

_____ (Gals.) X **3** = _____ 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 µS)	Turbidity (NTUs)	Gals. Removed	Observations
car	parked	over	well			

Did well dewater? Yes No Gallons actually evacuated: _____

Sampling Date: **3-8-10** Sampling Time: _____ Depth to Water: _____

Sample I.D.: **MW-** Laboratory: **(Lancaster)** Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: **see coc**

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

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

CHEVRON WELL MONITORING DATA SHEET

Project #: 100300-202	Station #: 9-1851
Sampler: SO	Date: 3-8-10
Weather: windy	Ambient Air Temperature: 62° F
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 _____
Total Well Depth: 9.71	Depth to Water: 3.30
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 4.58	

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

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

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

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

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1207	59.2	6.89	574.8	421	3.0 1.0	
1209	59.2	6.96	1085	533	2.0	
1211	59.4	6.85	1212	600	3.0	
<i>new disp. equipment used sampled out of order</i>						

Did well dewater? Yes No Gallons actually evacuated: **3.0**

Sampling Date: **3-8-10** Sampling Time: **1215** Depth to Water: ~~3.0~~ **4.52**

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

Analyzed for: TPH-G BTEX MTBE OXYS Other: **see coc**

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

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

CHECKOUT WELL MONITORING DATA SHEET

Project #: 100300-202	Station #: 9-1851
Sampler: 30	Date: 3-8-10
Weather: windy	Ambient Air Temperature: 61°F
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8
Total Well Depth: 13.02	Depth to Water: 5.70
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 7.14	

Purge Method: Bailer Water Peristaltic Extraction Pump Other _____

Bailer
 Disposable Bailer
 Positive Air Displacement
 Electric Submersible

Sampling Method: Bailer Extraction Port Dedicated Tubing Other: _____

Disposable Bailer
 Extraction Port
 Dedicated Tubing

$1.1 \text{ (Gals.)} \times 3 = 3.3 \text{ Gals.}$
 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 µS)	Turbidity (NTUs)	Gals. Removed	Observations
1148	61.6	6.742	877.2	219	1.1	
1150	61.7	6.95	769.4	229	2.2	
1152	61.8	6.91	782.3	251	3.3	
<i>new disp. equipment used sampled out of order</i>						

Did well dewater? Yes No Gallons actually evacuated: **3.3**

Sampling Date: **3-8-10** Sampling Time: **1200** Depth to Water: **6.88**

Sample I.D.: **MW-7** Laboratory: **(Lancaster)** Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: **see coc**

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

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

030810-03

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 Heegenberger Rd.,
 Oakland, CA
 Chevron PM: AARON COSTA
 Chevron PM Phone No.: (925)543-2961
 Retail and Terminal Business Unit (RTBU) Job
 Construction/Retail Job

Chevron Consultant: CRA
 Address: 5900 Hollis St. Suite A Emeryville,
 CA
 Consultant Contact: Charlotte Evans
 Consultant Phone No. 510-420-3351
 Consultant Project No. 160368-J02
 Sampling Company: Blaine Tech Services
 Sampled By (Print): Horitz
 Sampler Signature: [Signature]

ANALYSES REQUIRED										Preservation Codes	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>										H = HCL T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other
EPA 8260B/GC/MS TPH-G <input type="checkbox"/>	BTEX <input checked="" type="checkbox"/>	MTBE <input checked="" type="checkbox"/>	OXYGENATES <input type="checkbox"/>	HVOC <input type="checkbox"/>							
EPA 8015B	GRO <input checked="" type="checkbox"/>	DRO <input type="checkbox"/>	ORO <input type="checkbox"/>	HC SCREEN <input type="checkbox"/>							Special Instructions Must meet lowest detection limits possible for 8260 Compounds
EPA 8021B	BTEX <input type="checkbox"/>	MTBE <input type="checkbox"/>									
EPA 6010	Ca, Fe, K, Mg, Mn, Na										Notes/Comments
EPA 6010/7000	TITLE 22 METALS <input type="checkbox"/>	TLC <input type="checkbox"/>	STLC <input type="checkbox"/>								
EPA 150.1	PH <input type="checkbox"/>										
SM2510B	SPECIFIC CONDUCTIVITY										
EPA 418.1	TRPH <input type="checkbox"/>										
EPA 8260	ETHANOL										
EPA 8015	TPH-D <input type="checkbox"/>										

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.
	1100	10
	1100	20

SAMPLE ID				Sample Time	# of Containers	Container Type	ANALYSES REQUIRED										Notes/Comments																			
Field Point Name	Matrix	Top Depth	Date (yyymmdd)				EPA 8260B/GC/MS TPH-G <input type="checkbox"/>	BTEX <input checked="" type="checkbox"/>	MTBE <input checked="" type="checkbox"/>	OXYGENATES <input type="checkbox"/>	HVOC <input type="checkbox"/>	EPA 8015B	GRO <input checked="" type="checkbox"/>	DRO <input type="checkbox"/>	ORO <input type="checkbox"/>	HC SCREEN <input type="checkbox"/>		EPA 8021B	BTEX <input type="checkbox"/>	MTBE <input type="checkbox"/>	EPA 6010	Ca, Fe, K, Mg, Mn, Na	EPA 6010/7000	TITLE 22 METALS <input type="checkbox"/>	TLC <input type="checkbox"/>	STLC <input type="checkbox"/>	EPA 150.1	PH <input type="checkbox"/>	SM2510B	SPECIFIC CONDUCTIVITY	EPA 418.1	TRPH <input type="checkbox"/>	EPA 8260	ETHANOL	EPA 8015	TPH-D <input type="checkbox"/>
MW-1	W		100308	115	6	VORS	X	X																												
MW-3				1300			X	X																												
MW-4				1135			X	X																												
MW-6				1215			X	X																												
MW-7				1200			X	X																												
QA	T			1030	2		X	X																												

Relinquished By <u>[Signature]</u>	Company BTS	Date/Time 3-8-10/1410	Relinquished To <u>[Signature]</u>	Company CLI	Date/Time 3/8/10 1410	Turnaround Time: Standard <input checked="" type="checkbox"/> 24 Hours <input type="checkbox"/> 48 hours <input type="checkbox"/> 72 Hours <input type="checkbox"/> Other <input type="checkbox"/>
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time	Sample Integrity: (Check by lab on arrival)
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time	Intact: _____ On Ice: _____ Temp: _____ COC # _____

ATTACHMENT B

MARCH 20, 2010 LANCASTER LABORATORIES ANALYTICAL REPORT

ANALYTICAL RESULTS

Prepared for:

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

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

March 20, 2010

Project: 91851

Samples arrived at the laboratory on Tuesday, March 09, 2010. The PO# for this group is 0015059082 and the release number is COSTA. The group number for this submittal is 1185215.

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
MW-1-W-100308 NA Water	5922436
MW-3-W-100308 NA Water	5922437
MW-4-W-100308 NA Water	5922438
MW-6-W-100308 NA Water	5922439
MW-7-W-100308 NA Water	5922440
QA-T-100308 NA Water	5922441

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

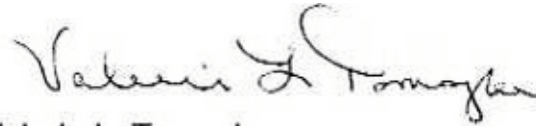
ELECTRONIC Chevron c/o CRA
COPY TO
ELECTRONIC CRA
COPY TO

Attn: Report Contact

Attn: Charlotte Evans

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

Respectfully Submitted,



Valerie L. Tomayko
Group Leader



Analysis Report

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

Sample Description: MW-1-W-100308 NA Water
Facility #91851 BTST
451 Hegenberger-Oakland T0600102238 MW-1

LLI Sample # WW 5922436
LLI Group # 1185215
CA

Project Name: 91851

Collected: 03/08/2010 11:15 by JO

Account Number: 10991

Submitted: 03/09/2010 09:25

Chevron

Reported: 03/20/2010 at 17:15

6001 Bollinger Canyon Rd L4310

Discard: 04/20/2010

San Ramon CA 94583

HOMW1

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						
06067	Benzene	71-43-2	N.D.	0.5	1	1
06067	Ethanol	64-17-5	N.D.	50	250	1
06067	Ethylbenzene	100-41-4	N.D.	0.5	1	1
06067	Methyl Tertiary Butyl Ether	1634-04-4	4	0.5	1	1
06067	Toluene	108-88-3	N.D.	0.5	1	1
06067	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.	500	1,000	10

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
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	Z100781AA	03/19/2010 14:35	Ginelle L Feister	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z100781AA	03/19/2010 14:35	Ginelle L Feister	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10069A07A	03/11/2010 20:13	Marie D John	10
01146	GC VOA Water Prep	SW-846 5030B	1	10069A07A	03/11/2010 20:13	Marie D John	10

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

Sample Description: MW-3-W-100308 NA Water
Facility #91851 BTST
451 Hegenberger-Oakland T0600102238 MW-3

LLI Sample # WW 5922437
LLI Group # 1185215
CA

Project Name: 91851

Collected: 03/08/2010 13:00 by JO

Account Number: 10991

Submitted: 03/09/2010 09:25

Chevron

Reported: 03/20/2010 at 17:15

6001 Bollinger Canyon Rd L4310

Discard: 04/20/2010

San Ramon CA 94583

HOMW3

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	
06067	Benzene	71-43-2	N.D.	0.5	1	1
06067	Ethanol	64-17-5	N.D.	50	250	1
06067	Ethylbenzene	100-41-4	N.D.	0.5	1	1
06067	Methyl Tertiary Butyl Ether	1634-04-4	32	0.5	1	1
06067	Toluene	108-88-3	N.D.	0.5	1	1
06067	Xylene (Total)	1330-20-7	N.D.	0.5	1	1

Preservation requirements were not met. The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 6.

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

Preservation requirements were not met. The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 6.

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
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	Z100743AA	03/16/2010 06:57	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z100743AA	03/16/2010 06:57	Holly Berry	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10069A07A	03/11/2010 16:13	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	10069A07A	03/11/2010 16:13	Marie D John	1



Analysis Report

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

Sample Description: MW-4-W-100308 NA Water
Facility #91851 BTST
451 Hegenberger-Oakland T0600102238 MW-4

LLI Sample # WW 5922438
LLI Group # 1185215
CA

Project Name: 91851

Collected: 03/08/2010 11:35 by JO

Account Number: 10991

Submitted: 03/09/2010 09:25
Reported: 03/20/2010 at 17:15
Discard: 04/20/2010

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HOM4-

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	
06067	Benzene	71-43-2	N.D.	0.5	1	1
06067	Ethanol	64-17-5	N.D.	50	250	1
06067	Ethylbenzene	100-41-4	N.D.	0.5	1	1
06067	Methyl Tertiary Butyl Ether	1634-04-4	30	0.5	1	1
06067	Toluene	108-88-3	N.D.	0.5	1	1
06067	Xylene (Total)	1330-20-7	N.D.	0.5	1	1

Preservation requirements were not met. The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. The pH of this sample was pH = 3.

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
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	Z100743AA	03/16/2010 07:21	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z100743AA	03/16/2010 07:21	Holly Berry	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10069A07A	03/11/2010 16:39	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	10069A07A	03/11/2010 16:39	Marie D John	1

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



Analysis Report

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

Sample Description: MW-6-W-100308 NA Water
Facility #91851 BTST
451 Hegenberger-Oakland T0600102238 MW-6

LLI Sample # WW 5922439
LLI Group # 1185215
CA

Project Name: 91851

Collected: 03/08/2010 12:15 by JO

Account Number: 10991

Submitted: 03/09/2010 09:25
Reported: 03/20/2010 at 17:15
Discard: 04/20/2010

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

HOMW6

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						
06067	Benzene	71-43-2	N.D.	0.5	1	1
06067	Ethanol	64-17-5	N.D.	50	250	1
06067	Ethylbenzene	100-41-4	N.D.	0.5	1	1
06067	Methyl Tertiary Butyl Ether	1634-04-4	3	0.5	1	1
06067	Toluene	108-88-3	N.D.	0.5	1	1
06067	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
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	Z100743AA	03/16/2010 07:47	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z100743AA	03/16/2010 07:47	Holly Berry	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10069A07A	03/11/2010 17:06	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	10069A07A	03/11/2010 17:06	Marie D John	1

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



Analysis Report

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

Sample Description: MW-7-W-100308 NA Water
Facility #91851 BTST
451 Hegenberger-Oakland T0600102238 MW-7

LLI Sample # WW 5922440
LLI Group # 1185215
CA

Project Name: 91851

Collected: 03/08/2010 12:00 by JO

Account Number: 10991

Submitted: 03/09/2010 09:25

Chevron

Reported: 03/20/2010 at 17:15

6001 Bollinger Canyon Rd L4310

Discard: 04/20/2010

San Ramon CA 94583

HOMW7

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						
06067	Benzene	71-43-2	N.D.	0.5	1	1
06067	Ethanol	64-17-5	N.D.	50	250	1
06067	Ethylbenzene	100-41-4	N.D.	0.5	1	1
06067	Methyl Tertiary Butyl Ether	1634-04-4	7	0.5	1	1
06067	Toluene	108-88-3	N.D.	0.5	1	1
06067	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
06067	BTEX, MTBE, ETOH	SW-846 8260B	1	Z100743AA	03/16/2010 08:12	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z100743AA	03/16/2010 08:12	Holly Berry	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10069A07A	03/11/2010 17:33	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	10069A07A	03/11/2010 17:33	Marie D John	1

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



Analysis Report

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

Sample Description: QA-T-100308 NA Water
Facility #91851 BTST
451 Hegenberger-Oakland T0600102238 QA

LLI Sample # WW 5922441
LLI Group # 1185215
CA

Project Name: 91851

Collected: 03/08/2010 10:30

Account Number: 10991

Submitted: 03/09/2010 09:25

Chevron

Reported: 03/20/2010 at 17:15

6001 Bollinger Canyon Rd L4310

Discard: 04/20/2010

San Ramon CA 94583

HOQA-

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	
06054	Benzene	71-43-2	N.D.	0.5	1	1
06054	Ethylbenzene	100-41-4	N.D.	0.5	1	1
06054	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
06054	Toluene	108-88-3	N.D.	0.5	1	1
06054	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
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	Z100743AA	03/16/2010 08:37	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z100743AA	03/16/2010 08:37	Holly Berry	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	10071A07A	03/12/2010 15:48	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	10071A07A	03/12/2010 15:48	Marie D John	1

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

Quality Control Summary

 Client Name: Chevron
 Reported: 03/20/10 at 05:15 PM

Group Number: 1185215

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

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: Z100743AA									
Sample number(s): 5922437-5922441									
Benzene	N.D.	0.5	1	ug/l	99		79-120		
Ethanol	N.D.	50.	250	ug/l	111		40-158		
Ethylbenzene	N.D.	0.5	1	ug/l	101		79-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	97		76-120		
Toluene	N.D.	0.5	1	ug/l	97		79-120		
Xylene (Total)	N.D.	0.5	1	ug/l	103		80-120		
Batch number: Z100781AA									
Sample number(s): 5922436									
Benzene	N.D.	0.5	1	ug/l	85		79-120		
Ethanol	N.D.	50.	250	ug/l	88		40-158		
Ethylbenzene	N.D.	0.5	1	ug/l	84		79-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	81		76-120		
Toluene	N.D.	0.5	1	ug/l	87		79-120		
Xylene (Total)	N.D.	0.5	1	ug/l	88		80-120		
Batch number: 10069A07A									
Sample number(s): 5922436-5922440									
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	109	109	75-135	0	30
Batch number: 10071A07A									
Sample number(s): 5922441									
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	118	127	75-135	7	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: Z100743AA									
Sample number(s): 5922437-5922441 UNSPK: P920420									
Benzene	110	110	80-126	0	30				
Ethanol	110	105	37-164	4	30				
Ethylbenzene	110	111	71-134	1	30				
Methyl Tertiary Butyl Ether	102	99	72-126	2	30				
Toluene	108	112	80-125	4	30				
Xylene (Total)	108	112	79-125	3	30				
Batch number: Z100781AA									
Sample number(s): 5922436 UNSPK: P925879									
Benzene	104	103	80-126	1	30				
Ethanol	104	104	37-164	0	30				
Ethylbenzene	103	102	71-134	1	30				
Methyl Tertiary Butyl Ether	92	94	72-126	2	30				
Toluene	106	104	80-125	2	30				

*- Outside of specification

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

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

Quality Control Summary

Client Name: Chevron

Group Number: 1185215

Reported: 03/20/10 at 05:15 PM

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</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Xylene (Total)	105	106	79-125	1	30			
Batch number: 10069A07A	Sample number(s): 5922436-5922440 UNSPK: P921461							
TPH-GRO N. CA water C6-C12	118		63-154					
Batch number: 10071A07A	Sample number(s): 5922441 UNSPK: P924709							
TPH-GRO N. CA water C6-C12	91		63-154					

Surrogate Quality Control

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

Analysis Name: BTEX+MTBE by 8260B

Batch number: Z100743AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5922437	97	95	103	93
5922438	94	94	101	93
5922439	96	94	102	96
5922440	95	94	101	95
5922441	95	95	96	86
Blank	95	94	104	97
LCS	96	95	103	98
MS	97	93	97	97
MSD	97	98	104	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: BTEX, MTBE, ETOH

Batch number: Z100781AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5922436	97	95	103	95
Blank	96	96	102	93
LCS	96	97	102	96
MS	97	97	102	95
MSD	96	97	100	95
Limits:	80-116	77-113	80-113	78-113

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

Batch number: 10069A07A

Trifluorotoluene-F

5922436	100
5922437	105
5922438	101
5922439	103
5922440	100

*- 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: 03/20/10 at 05:15 PM

Group Number: 1185215

Surrogate Quality Control

Blank	102
LCS	115
LCSD	115
MS	116

Limits: 63-135

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 10071A07A
Trifluorotoluene-F

5922441	103
Blank	102
LCS	117
LCSD	120
MS	116

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.

030810-03

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: AARON COSTA
Chevron PM Phone No.: (925)543-2961
Retail and Terminal Business Unit (RTBU) Job
Construction/Retail Job

Chevron Consultant: CRA
Address: 5900 Hollis St. Suite A Emeryville, CA
Consultant Contact: Charlotte Evans
Consultant Phone No. 510-420-3351
Consultant Project No. 150308-502
Sampling Company: Blaine Tech Services
Sampled By (Print): Jortiz
Sampler Signature: [Signature]

ANALYSES REQUIRED
Table with columns for various chemical tests: EPA 8260B/GC/MS TPH-G, EPA 8015B GRO, EPA 8021B BTEX, EPA 6010 Ca, Fe, K, Mg, Mn, Na, EPA 6010/7000 TITL 22 METALS, EPA 150.1 PH, SM 2510B SPECIFIC CONDUCTIVITY, EPA 418.1 TRPH, EPA 8260 ETHANOL, EPA 8015 TPH-D, EPA 413.1 OIL & GREASE, EPA 310.1 ALKALINITY. Includes checkboxes for HVOC, OXYGENATES, DRO, HC SCREEN, ORO, STLC.

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

Lancaster Laboratories
Other Lab
Temp. Blank Check Time Temp.
1100 10
1300 20
2425 New Holland Pike, Lancaster, PA 17601
Phone No: (717)656-2300

Acct # 10991
Grp # 1185215
Sample # 535922436-41
Special Instructions: Must meet lowest detection limits possible for 8260 Compounds. KM2 3-9-10

Table with columns: SAMPLE ID (Field Point Name, Matrix, Top Depth, Date), Sample Time, # of Containers, Container Type, and various chemical analysis results (checkboxes for EPA methods).

Relinquished By: [Signature] Company: BTS Date/Time: 3-8-10/1410
Relinquished To: [Signature] Company: LLI Date/Time: 3/8/10 1410
Relinquished By: [Signature] Company: LLI Date/Time: 3/8/10 1635
Relinquished To: [Signature] Company: FEDEX Date/Time: 3/10/0925

Turnaround Time: Standard 24 Hours 48 hours 72
Sample Integrity: (Check by lab on arrival)
Intact: On Ice: Temp: 16-22
COC #

Lancaster Laboratories Explanation of Symbols and Abbreviations

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

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	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.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

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.

WARRANTY AND LIMITS OF LIABILITY – In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.

ATTACHMENT C

SEPTEMBER 15 2008 CHEVRON ENERGY TECHNOLOGY COMPANY
HYDROCARBON ANALYSIS

**CHEVRON ENERGY TECHNOLOGY COMPANY
INTEGRATED LABORATORY TECHNOLOGIES
PROJECT SUMMARY**

Project No	2008.0072	Requested by	A.Costa
Date Initiated	8/13/08	Location	CEMC
Date Completed	9/15/08		6111 Bollinger Cyn Rd
CRTC Charge Code	YWETS1560268		San Ramon, CA 94583
		Phone	(925) 543-2961

Project Description:

Analyze one hydrocarbon/water sample from a Chevron Service Station facility #9-1851 located on 451 Hegenberger Drive, Oakland, CA. The sample is labeled MW-2-W-ID. Identify the hydrocarbon types present.

Results:

The hydrocarbon/water sample contains a mixture of gasoline, diesel fuel #2 and lube oil. The gasoline fraction contains olefins, mono-aromatic (BTEX) compounds, "iso-octane" and other gasoline constituents. It is present in a low concentration, approximately 0.7 % (measured as the C₁₀- area percent.). The toluene peak is very prominent as it is readily water soluble. The diesel fuel #2 fraction has been moderately weathered through water washing and biodegradation with branched paraffins remaining with approximately 6% (measured as the C11 to C20 area percent). There is used lube oil or grease or weathered crude oil with absence of n-paraffins. See table below for carbon number distribution.

approximate hydrocarbon concentration in water, ug/L	C6- (area %)	C7-C10 (area %)	C11-C14 (area %)	C15-C20 (area %)	C21-C45+ (area %)
304,700	0.0	0.7	1.9	5.4	92.7

Analytical Approach:

The samples were extracted and analyzed by gas chromatography using a flame ionization detector to determine the hydrocarbon composition.

Analyzed by: L.Nguyen

Reported by: G. C. Chen *gcc*

Reviewed by: M. E. Moir *MEM*

ACosta

CEvans

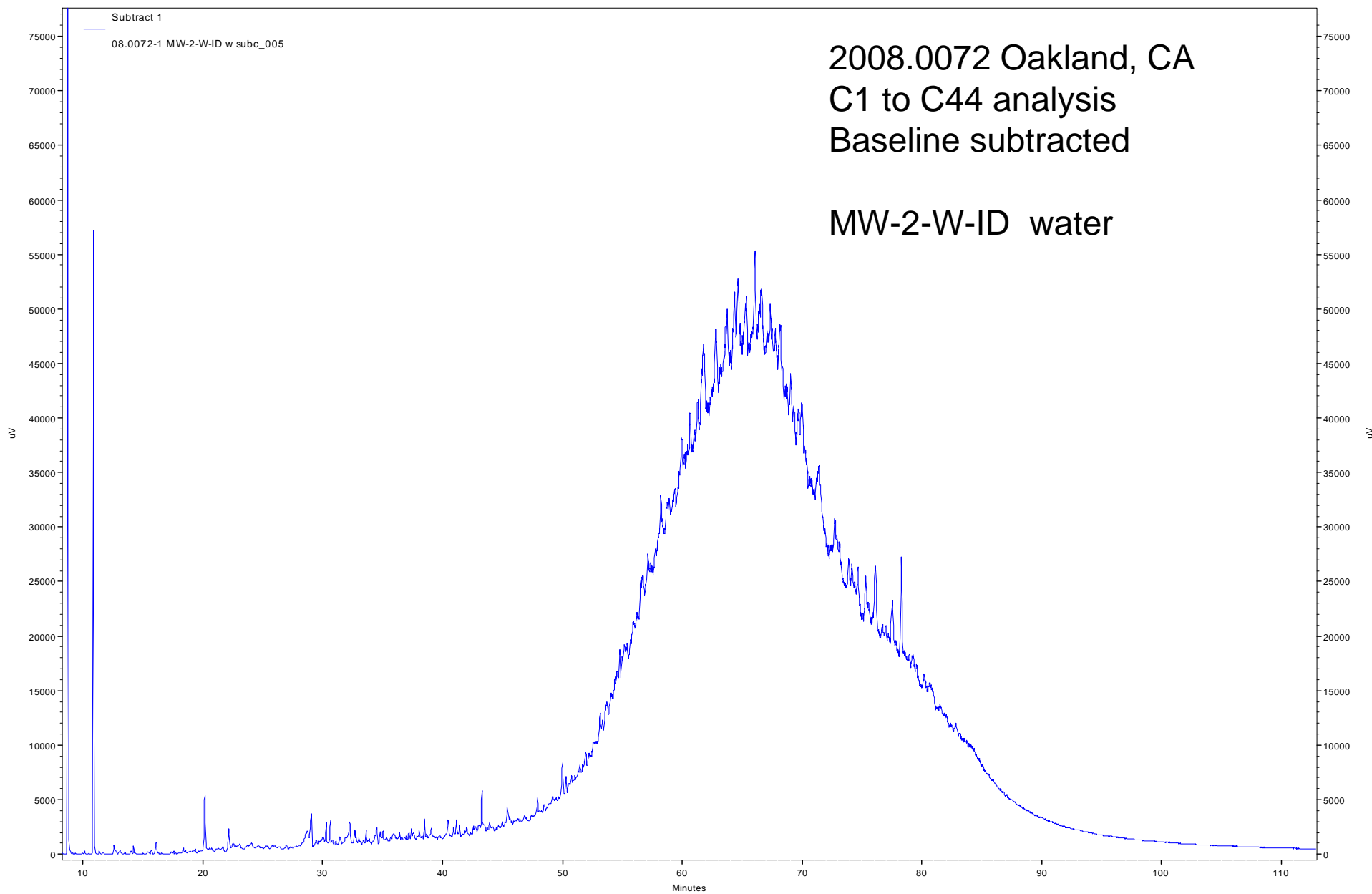
AWVerstuyft

MEMoir

GCChen

Technical files

ECTfile



**Request for Environmental Analysis
and Chain of Custody**

To: Environmental Analysis Lab, Room 51-1151, Chevron Energy Technology Co., 100 Chevron Way, Richmond, CA 94802 Contact: Grace Chen 510-242-5918 or Michael Moir 510-242-1634		Date 8/13/2008	
Chevron PM AARON COSTA		Phone (925) 543-2961	
Company, Department CHEVRON EMC	EMC Bus. Unit, if applicable		Charge Code
Address 6111 BOLLINGER CANYON ROAD, BR-Y 3660, SAN RAMON, CA 94583			
Contract PM CHARLOTTE EVANS		E-mail CEVANS@CRAWORLD.COM	Phone (510) 420-3351
Company, Address CRA, 5900 HOLLIS ST., SUITE A, EMERYVILLE, CA 94608			
Sampling Location (Address) 451 HEGENBERGER DRIVE, OAKLAND		Facility Number 9-1851	
<input checked="" type="checkbox"/> Service Station () Fuel Terminal () Marine Terminal () Pipeline () Refinery () Other			
<input checked="" type="checkbox"/> Chevron () Texaco () Gulf () BP () Cumberland Farms () Other			
Type of Analysis Desired <input checked="" type="checkbox"/> Identify Product () Compare Spill with Potential Sources (Send Source Samples) () Compare Samples with Previous Analyses. Log Numbers and/or Dates: () Other (Call 510-242-5918 or 510-242-1634 for Approval)			
Reason for Request (Clearly State Problem, Site History, Draw or Enclose a Map, Indicate Whether Leak or Spill) Unknown substance in well. Separate phase hydrocarbons identified in well but TPHg was not detected in the well. When analyzed for diesel, diesel was detected in the well. Separate phase hydrocarbons were described as black and oily.			
Normal turn-around time is 4 weeks. Call 510-242-1634 to negotiate alternate arrangements.			
Number of Containers Per Sample 2 (IL)	Sample Name/Description MW-2-W-ID	Date Sampled 8/13/08	Sampled By IH
Transporter Jan Hull (JAN HULL)		Date Received	Initials
Laboratory Chevron Energy Technology Company		Date Received 8/13/08	Initials JH
It is the shipper's responsibility to ensure Federal DOT regulations and UN performance standards are complied with. When in doubt, assume the sample is flammable 6/07/04			

Guidelines for shipping samples to ETC for Environmental Analysis