Alexis Fischer
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925)790-6441
afischer@chevron.com

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

Re: Chevron Service Station No. 94800
1700 Castro Street
Oakland, CA

I have reviewed the attached report entitled the *First Semi-Annual 2014 Groundwater Monitoring and Sampling Report*.

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

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

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

Sincerely,

Alexis Fischer
Project Manager

Attachment: *First Semi-Annual 2014 Groundwater Monitoring and Sampling Report*

CONESTOGA-ROVERS & ASSOCIATES

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

October 9, 2014 Reference No. 060061

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

Re: First Semi-Annual 2014
Groundwater Monitoring and Sampling Report
Chevron Service Station 94800
1700 Castro Street
Oakland, California
Fuel Leak Case No. RO0000342

Dear Mr. Detterman:

Conestoga-Rovers & Associates (CRA) is submitting this *First Semi-Annual 2014 Groundwater Monitoring and Sampling Report* for the site referenced above (Figure 1) on behalf of Chevron Environmental Management Company (Chevron). Groundwater monitoring and sampling was performed by Blaine Tech Services (Blaine Tech) of San Jose, California and their *Second Quarter 2014 Monitoring* report is included as Attachment A. Groundwater monitoring and sampling data are presented in Table 1 and shown on Figure 2. Eurofins Lancaster Laboratory Environmental, LLCs' *Analytical Results* report is included as Attachment B.

RESULTS OF FIRST SEMI-ANNUAL EVENT

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

- Groundwater Flow Direction West
- Hydraulic Gradient 0.02
- Approximate Depth to Water 25 to 28 feet below grade

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

TABLE A: GROUNDWATER ANALYTICAL DATA

Well ID	TPHd (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)
Groundwater WQOs	***100***	***100***	***1.0***	***40***	***30***	***20***	***5***
MW-1	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-2	<50	<50	<0.5	<0.5	<0.5	<0.5	0.7 J
MW-3	<50	**190**	1	<0.5	<0.5	2	**86**
MW-4	<50	<50	<0.5	<0.5	<0.5	<0.5	**7**
MW-7	<50	<50	<0.5	<0.5	<0.5	<0.5	**990**

WQOs Water Quality Objectives from Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Prepared by California Regional Water Quality Control Board San Francisco Bay Region, Interim Final - November 2007, (Revised May 2013), Table F-1a-Groundwater Screening Levels-Current or Potential Drinking Water Resource.

µg/L Micrograms per Liter

J Estimated Value (the result is ≥the Method Detection Limit and < the Limit of Quantitation)

CONCLUSIONS AND RECOMMENDATIONS

The first semi-annual 2014 sampling event results indicate:

- All dissolved hydrocarbon concentrations in groundwater in all wells were below historical maximums or not detected.

ANTICIPATED FUTURE ACTIVITIES

Conceptual Site Model Addendum
CRA submitted a *Conceptual Site Model Addendum* dated September 25, 2014 to Alameda County Environmental Health.

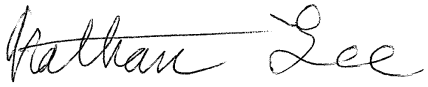
Groundwater Monitoring
Blaine Tech will monitor and sample site wells per the established schedule. CRA will prepare and submit the sampling results within 60 days of the sampling date.

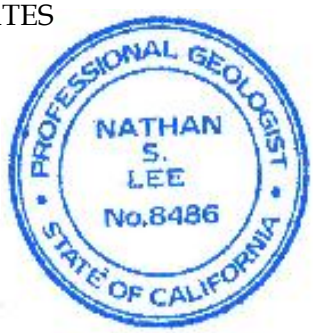
CONESTOGA-ROVERS & ASSOCIATES

Please contact Nathan Lee at (925) 849-2003 if you have any questions or require additional information.

Regards,

CONESTOGA-ROVERS & ASSOCIATES





Nathan S. Lee, PG 8486

NL/cw/14
Encl.

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

cc: Ms. Alexis Fischer, Chevron (*electronic only*)

FIGURES

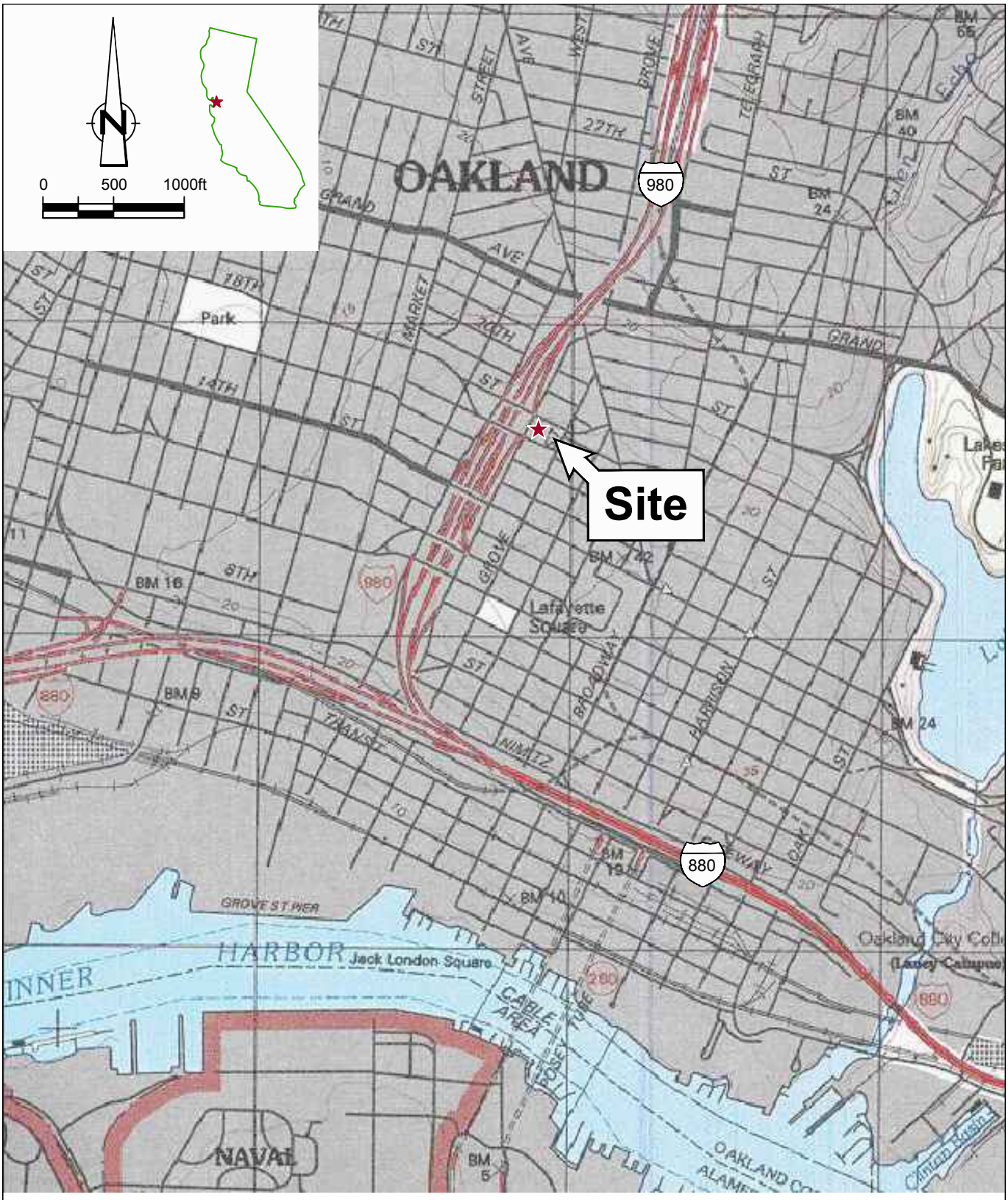


Figure 1

VICINITY MAP
CHEVRON SERVICE STATION 94800
1700 CASTRO STREET
Oakland, California

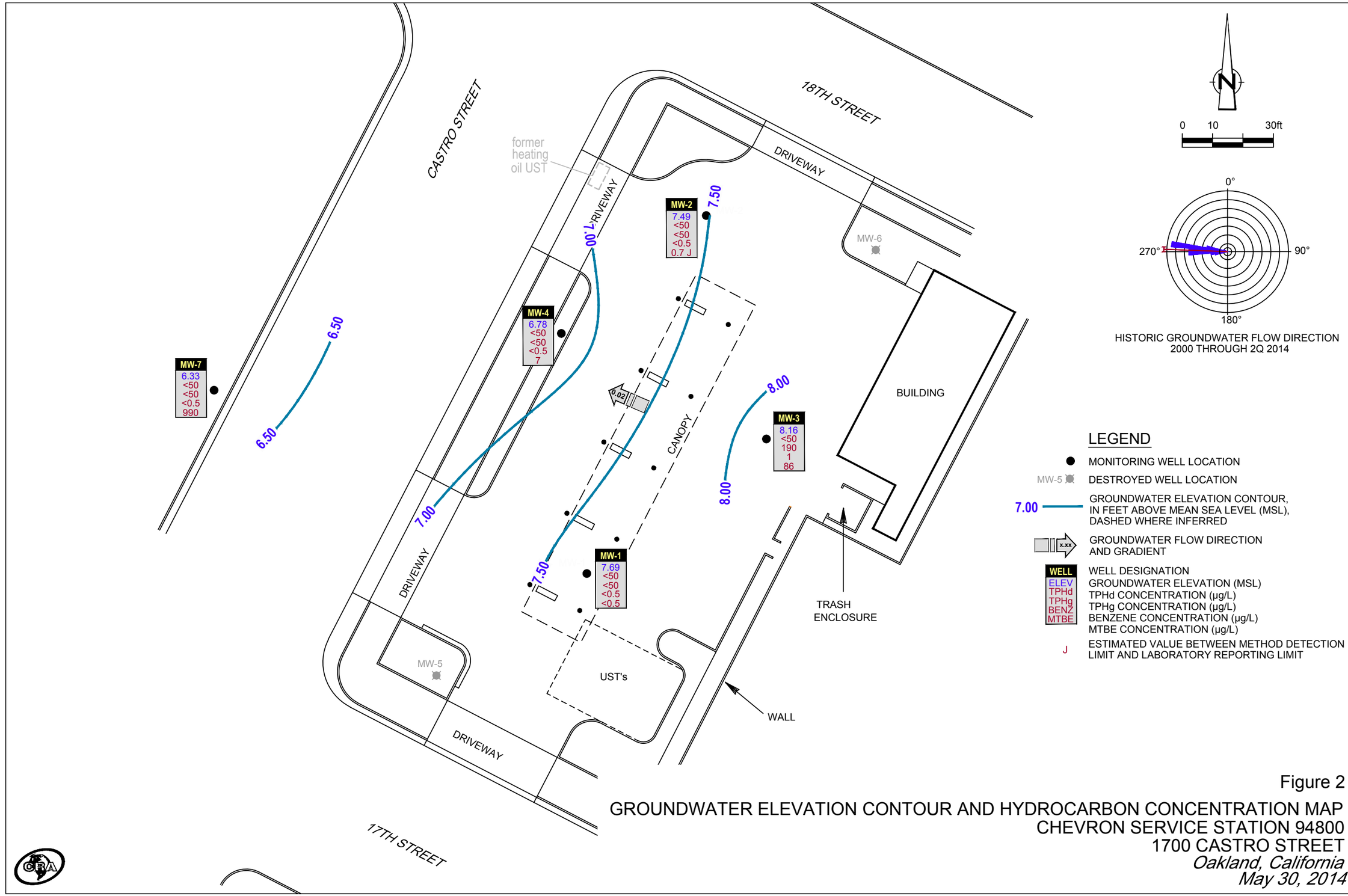


Figure 2

GROUNDWATER ELEVATION CONTOUR AND HYDROCARBON CONCENTRATION MAP
CHEVRON SERVICE STATION 94800
1700 CASTRO STREET
Oakland, California
May 30, 2014

TABLE

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 94800
1700 CASTRO ST.
OAKLAND, CALIFORNIA

					HYDROCARBONS			PRIMARY VOCS							ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE by VOC	MTBE by SW8240	MTBE by SW8260	ETHANOL	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-1	06/04/1997	30.75	25.82	4.39	71[1]	-	890	100	110	29	150	<10	-	-	-	-	-	-	-
MW-1	09/16/1997	30.75	25.90	4.85	75[1]	-	1,600	210	210	60	250	<10	-	-	-	-	-	-	-
MW-1	12/17/1997	30.75	25.87	4.88	65[1]	-	940	120	100	41	160	<25	-	-	-	-	-	-	-
MW-1	03/18/1998	30.75	24.85	5.90	77[1]	-	530	91	39	22	65	6.8	-	-	-	-	-	-	-
MW-1	06/28/1998	30.75	24.83	5.92	140[1]	-	1,100	220	140	37	120	-	14	-	-	-	-	-	-
MW-1	09/07/1998	30.75	25.19	5.56	280[1]	-	1,700	530	86	84	240	49	-	-	-	-	-	-	-
MW-1	12/09/1998	30.75	25.65	5.10	240[1]	-	1,700	240	130	100	270	32	-	-	-	-	-	-	-
MW-1	03/11/1999	30.75	25.45	5.30	98[1]	-	353	53.9	28.6	20.5	56.1	14.1	-	-	-	-	-	-	-
MW-1	06/17/1999	30.75	25.36	5.39	217[1]	-	810	270	150	95	340	15	-	-	-	-	-	-	-
MW-1	09/29/1999	30.75	25.62	5.13	153[1]	-	659	76	49.7	35.1	118	12.6	-	-	-	-	-	-	-
MW-1	12/14/1999	30.75	25.68	5.07	188[1,2]	-	2,760	287	199	139	502	<12.5	-	-	-	-	-	-	-
MW-1	03/09/2000[3]	30.75	25.21	5.54	166[1]	-	1,590	238	94.9	72.2	247	22.3	-	-	-	-	-	-	-
MW-1	06/10/2000	30.75	25.02	5.73	-	-	1,460	242	47.8	83.8	151	97.3	-	-	-	-	-	-	-
MW-1	09/30/2000	30.75	25.45	5.30	240[7]	-	650[6]	130	49	69	190	21	-	-	-	-	-	-	-
MW-1	12/22/2000	30.75	25.70	5.05	200[9]	-	640[6]	110	33	58	160	68	-	-	-	-	-	-	-
MW-1	03/01/2001	30.75	25.50	5.25	211[7]	-	1,500[6]	210	67.9	109	320	87.3	-	-	-	-	-	-	-
MW-1	05/04/2001	30.75	25.34	5.41	130[7]	-	991	127	32.6	73.0	137	95.4	-	-	-	-	-	-	-
MW-1	09/05/2001	30.75	25.59	5.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	12/21/2001	30.75	25.58	5.17	210	-	2,000	220	16	110	400	34	-	-	-	-	-	-	-
MW-1	03/15/2002	30.75	25.15	5.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	06/15/2002	30.75	25.26	5.49	140	-	350	54	0.61	12	40	130	-	-	-	-	-	-	-
MW-1	09/06/2002	30.75	25.49	5.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 94800
1700 CASTRO ST.
OAKLAND, CALIFORNIA

					HYDROCARBONS			*PRIMARY VOCS*							*ADDITIONAL VOCS*				
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-DRO*	*TPH-DRO w/ Si Gel*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by VOC*	*MTBE by SW8240*	*MTBE by SW8260*	*ETHANOL*	*TBA*	*DIPE*	*ETBE*	*TAME*
	Units	*ft*	*ft*	*ft-amsl*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-1	12/06/2002	30.75	25.63	5.12	2,900	-	900	71	2.1	39	150	34	-	-	-	-	-	-	-
MW-1	03/03/2003	30.75	25.29	5.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	06/17/2003[14]	30.75	25.11	5.64	180	-	290	34	0.6	23	90	-	-	92	-	-	-	-	-
MW-1	09/16/2003	30.75	25.38	5.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	12/31/2003[14]	30.75	25.55	5.20	150	-	1,500	97	6	70	230	-	-	86	<50	-	-	-	-
MW-1	03/26/2004	30.75	25.01	5.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	08/17/2004[14]	30.75	26.16	4.59	860	-	500	44	5	12	54	-	-	76	<50	-	-	-	-
MW-1	11/16/2004[14]	34.01	26.16	7.85	<26	-	570	33	<0.5	14	53	-	-	48	<50	-	-	-	-
MW-1	02/18/2005	34.01	25.76	8.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/06/2005[14]	34.01	25.39	8.62	110	-	170	13	<0.5	4	18	-	-	220	<50	-	-	-	-
MW-1	08/05/2005	34.01	25.70	8.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/07/2005[14]	34.01	26.02	7.99	260[20]	-	180	7	<0.5	3	24	-	-	260	<50	-	-	-	-
MW-1	02/06/2006	34.01	25.68	8.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/08/2006[14]	34.01	24.98	9.03	730	-	270	23	<0.7	1	18	590	-	-	<50	-	-	-	-
MW-1	08/08/2006	34.01	25.52	8.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/08/2006[14]	34.01	25.90	8.11	380	-	<50	0.6	<0.5	<0.5	2	140	-	-	<50	-	-	-	-
MW-1	02/06/2007	34.01	25.98	8.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/01/2007[14]	34.01	25.78	8.23	750	-	58	0.8	<0.5	<0.5	1	-	-	280	<50	-	-	-	-
MW-1	07/31/2007	34.01	26.00	8.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/08/2007[14]	34.01	26.16	7.85	330	-	<50	<0.5	<0.5	<0.5	0.9	-	-	270	<50	-	-	-	-
MW-1	02/04/2008	34.01	25.97	8.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/01/2008[14]	34.01	25.95	8.06	86	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	470	<50	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 94800
1700 CASTRO ST.
OAKLAND, CALIFORNIA

					HYDROCARBONS			*PRIMARY VOCS*							*ADDITIONAL VOCS*				
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-DRO*	*TPH-DRO w/ Si Gel*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by VOC*	*MTBE by SW8240*	*MTBE by SW8260*	*ETHANOL*	*TBA*	*DIPE*	*ETBE*	*TAME*
	Units	*ft*	*ft*	*ft-amsl*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-1	08/01/2008	34.01	26.04	7.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/13/2008[14]	34.01	26.13	7.88	<50	-	170	1	<0.5	<0.5	2	-	-	190	<50	-	-	-	-
MW-1	02/23/2009	34.01	25.94	8.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	05/20/2009	34.01	25.63	8.38	88 J	-	<50	0.6 J	<0.5	<0.5	2	-	-	190	<50	-	-	-	-
MW-1	08/25/2009	34.01	25.80	8.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1	11/18/2009	34.01	25.93	8.08	150	-	<50	<0.5	<0.5	0.6 J	<0.5	-	-	310	<50	-	-	-	-
MW-1	05/18/2010	34.01	25.54	8.47	110	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	230	<50	9	-	-	-
MW-1	12/01/2010	34.01	25.92	8.09	52 J	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	230	<50	-	-	-	-
MW-1	05/04/2011	34.01	25.26	8.75	-	75 J	<50	<0.5	<0.5	<0.5	<0.5	-	-	180	<50	-	-	-	-
MW-1	12/09/2011	34.01	25.79	8.22	67 J	-	61 J	<0.5	<0.5	<0.5	<0.5	-	-	89	<50	-	-	-	-
MW-1	05/31/2012	34.01	25.49	8.52	<50	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	23	<50	-	-	-	-
MW-1	11/14/2012	34.01	26.00	8.01	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	-	3	<50	-	-	-	-
MW-1	06/03/2013	34.01	25.94	8.07	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	-	1	<50	-	-	-	-
MW-1	12/12/2013	34.01	26.70	7.31	<50	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<50	-	-	-	-
MW-1	**05/30/2014**	**34.01**	**26.32**	**7.69**	**-**	**<50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**	**-**	**<0.5**	**-**	**-**	**-**	**-**	**-**
MW-2	06/04/1997	30.00	24.87	5.13	4,000[1]	-	13,000	790	30	420	1,700	4,000	-	-	-	-	-	-	-
MW-2	09/16/1997	30.00	24.94	5.06	2,200[1]	-	4,000	360	9.7	210	460	1,500	-	-	-	-	-	-	-
MW-2	12/17/1997	30.00	24.82	5.18	2,100[1]	-	4,100	380	<10	200	460	2,100	-	-	-	-	-	-	-
MW-2	03/18/1998	30.00	23.57	6.43	3,700[1]	-	8,400	1,800	<50	350	630	13,000	-	-	-	-	-	-	-
MW-2	06/28/1998[4]	30.00	23.79	6.21	4,400[1]	-	9,300	740	340	710	2,300	-	3,800	-	-	-	-	-	-
MW-2	09/07/1998	30.00	24.22	5.78	3,100[1]	-	9,900	1,000	150	640	1,800	4,500 / 4,100[5]	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 94800
1700 CASTRO ST.
OAKLAND, CALIFORNIA

					HYDROCARBONS			PRIMARY VOCS							ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE by VOC	MTBE by SW8240	MTBE by SW8260	ETHANOL	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-2	12/09/1998	30.00	24.69	5.31	1,900[1]	-	8,500	860	74	610	960	2,600 / 2,600[5]	-	-	-	-	-	-	-
MW-2	03/11/1999	30.00	24.21	5.79	2,700[1]	-	12,500	1,520	42.2	645	2,250	5,050 / 3,400[5]	-	-	-	-	-	-	-
MW-2	06/17/1999	30.00	24.31	5.69	7,150[1]	-	27,000	2,200	260	1,500	5,900	4,700	-	-	-	-	-	-	-
MW-2	09/29/1999	30.00	24.55	5.45	3,030[1]	-	6,910	582	11.1	491	1,170	1,970	-	-	-	-	-	-	-
MW-2	12/14/1999	30.00	24.61	5.39	615[1,2]	-	4,230	282	12.3	284	690	631	-	-	-	-	-	-	-
MW-2	03/09/2000[3]	30.00	23.92	6.08	3,300[1]	-	15,300	1,110	39.4	1,040	3,030	2,470	-	-	-	-	-	-	-
MW-2	06/10/2000	30.00	23.87	6.13	-	-	7,360	560	40.7	627	1,280	1,260	-	-	-	-	-	-	-
MW-2	09/30/2000	30.00	24.33	5.67	1,800[7]	-	3,600[6]	280	<10	420	430	290	-	-	-	-	-	-	-
MW-2	12/22/2000	30.00	24.61	5.39	870[9]	-	1,500[6]	100	<1.3	160	59	380	-	-	-	-	-	-	-
MW-2	03/01/2001	30.00	24.21	5.79	1,320[7]	-	2,340[6]	171	<5.00	238	157	864	-	-	-	-	-	-	-
MW-2	05/04/2001	30.00	24.17	5.83	3,100[7]	-	11,900	199	33.9	1,420	290	3,890	-	-	-	-	-	-	-
MW-2	09/05/2001	30.00	24.55	5.45	2,200	-	3,300	170	1.7	310	110	1,100	-	-	-	-	-	-	-
MW-2	12/21/2001	30.00	24.40	5.60	980	-	1,100	58	0.72	120	14	450	-	-	-	-	-	-	-
MW-2	03/15/2002	30.00	23.95	6.05	2,200	-	5,000	250	9.1	470	430	1,800	-	-	-	-	-	-	-
MW-2	06/15/2002	30.00	24.16	5.84	3,700	-	5,200	240	5.2	540	210	2,200	-	-	-	-	-	-	-
MW-2	09/06/2002	30.00	24.41	5.59	2,200	-	2,100	84	1.4	250	30	1,000	-	-	-	-	-	-	-
MW-2	12/06/2002	30.00	24.56	5.44	730	-	780	21	<0.50	58	3.4	480	-	-	-	-	-	-	-
MW-2	03/03/2003	30.00	24.21	5.79	3,500	-	4,800	220	1.9	650	46	4,400	-	-	-	-	-	-	-
MW-2	06/17/2003[14]	30.00	23.93	6.07	4,100	-	4,700	140	4	370	84	-	-	2,700	-	-	-	-	-
MW-2	09/16/2003[14]	30.00	24.31	5.69	1,800[15]	-	1,300	38	<1	110	3	-	-	1,300	<130	-	-	-	-
MW-2	12/31/2003[14]	30.00	24.36	5.64	330	-	990	11	<0.5	23	3	-	-	440	<50	-	-	-	-
MW-2	03/26/2004	30.00	23.75	6.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 94800
1700 CASTRO ST.
OAKLAND, CALIFORNIA

					HYDROCARBONS			*PRIMARY VOCS*							*ADDITIONAL VOCS*				
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-DRO*	*TPH-DRO w/ Si Gel*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by VOC*	*MTBE by SW8240*	*MTBE by SW8260*	*ETHANOL*	*TBA*	*DIPE*	*ETBE*	*TAME*
	Units	*ft*	*ft*	*ft-amsl*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-2	08/17/2004[14]	30.00	24.47	5.53	400	-	300	9	<0.5	18	1	-	-	340	<50	-	-	-	-
MW-2	11/16/2004[14]	32.59	24.45	8.14	4,300	-	10,000	91	7	830	1,300	-	-	1,100	<100	-	-	-	-
MW-2	02/18/2005	32.59	23.92	8.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	05/06/2005[14]	32.59	23.53	9.06	1,300	-	4,900	62	4	290	320	-	-	400	<50	-	-	-	-
MW-2	08/05/2005	32.59	23.98	8.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/07/2005[14]	32.59	24.32	8.27	300[20]	-	800	2	<0.5	<0.5	<0.5	-	-	66	<50	-	-	-	-
MW-2	02/06/2006	32.59	23.83	8.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	05/08/2006[14]	32.59	23.10	9.49	2,100	-	6,100	32	4	430	460	360	-	-	<50	-	-	-	-
MW-2	08/08/2006	32.59	23.80	8.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/08/2006[14]	32.59	24.27	8.32	770	-	120	12	<0.5	0.7	8	840	-	-	<50	-	-	-	-
MW-2	02/06/2007	32.59	24.29	8.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	05/01/2007[14]	32.59	24.05	8.54	160	-	850	<0.5	<0.5	16	36	-	-	100	<50	-	-	-	-
MW-2	07/31/2007	32.59	24.31	8.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/08/2007[14]	32.59	24.47	8.12	800	-	180	<0.5	<0.5	<0.5	<0.5	-	-	37	<50	-	-	-	-
MW-2	02/04/2008	32.59	24.21	8.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	05/01/2008[14]	32.59	24.25	8.34	500	-	430	<0.5	<0.5	<0.5	5	-	-	120	<50	-	-	-	-
MW-2	08/01/2008	32.59	24.33	8.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/13/2008[14]	32.59	24.42	8.17	2,600	-	2,500	3	1	190	83	-	-	240	<50	-	-	-	-
MW-2	02/23/2009	32.59	24.21	8.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	05/20/2009	32.59	23.65	8.94	2,800 J	-	4,000	4	1	42	55	-	-	160	<50	-	-	-	-
MW-2	08/25/2009	32.59	24.00	8.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2	11/18/2009	32.59	24.51	8.08	2,800	-	5,400	4	1 J	69	34	-	-	79	<100	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 94800
1700 CASTRO ST.
OAKLAND, CALIFORNIA

					HYDROCARBONS			*PRIMARY VOCS*							*ADDITIONAL VOCS*				
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-DRO*	*TPH-DRO w/ Si Gel*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by VOC*	*MTBE by SW8240*	*MTBE by SW8260*	*ETHANOL*	*TBA*	*DIPE*	*ETBE*	*TAME*
	Units	*ft*	*ft*	*ft-amsl*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-2	05/18/2010	32.59	23.65	8.94	1,100	-	580	<0.5	<0.5	<0.5	<0.5	-	-	22	<50	6	-	-	-
MW-2	12/01/2010	32.59	24.20	8.39	930	-	230	<0.5	<0.5	<0.5	<0.5	-	-	20	<50	-	-	-	-
MW-2	05/04/2011	32.59	23.50	9.09	-	1,300	830	<0.5	<0.5	51	10	-	-	16	<50	-	-	-	-
MW-2	12/09/2011	32.59	24.12	8.47	180	-	140	<0.5	<0.5	<0.5	<0.5	-	-	8	<50	-	-	-	-
MW-2	05/31/2012	32.59	23.94	8.65	78 J	-	75 J	<0.5	<0.5	<0.5	<0.5	-	-	4	<50	-	-	-	-
MW-2	11/14/2012	32.59	24.12	8.47	-	78 J	69 J	<0.5	<0.5	<0.5	<0.5	-	-	3	<50	-	-	-	-
MW-2	06/03/2013	32.59	24.31	8.28	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	-	2	<50	-	-	-	-
MW-2	12/12/2013	32.59	25.23	7.36	89 J	-	69 J	<0.5	<0.5	<0.5	<0.5	-	-	0.7 J	<50	-	-	-	-
MW-2	**05/30/2014**	**32.59**	**25.10**	**7.49**	**-**	**<50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**	**-**	**0.7 J**	**-**	**-**	**-**	**-**	**-**
MW-3	06/04/1997	31.32	26.05	5.27	<50	-	190	26	20	1.5	16	8.2	-	-	-	-	-	-	-
MW-3	09/16/1997	31.32	26.15	5.17	<50	-	270	58	53	6.1	30	21	-	-	-	-	-	-	-
MW-3	12/17/1997	31.32	26.10	5.22	<50	-	290	50	54	8.1	37	21	-	-	-	-	-	-	-
MW-3	03/18/1998	31.32	24.90	6.42	<50	-	390	140	33	4.6	30	94	-	-	-	-	-	-	-
MW-3	06/28/1998	31.32	24.93	6.39	<50	-	290	90	11	1.6	13	-	150	-	-	-	-	-	-
MW-3	09/07/1998	31.32	25.35	5.97	<50	-	170	46	20	4.3	19	120	-	-	-	-	-	-	-
MW-3	12/09/1998	31.32	25.91	5.41	55[1]	-	660	120	93	22	72	150	-	-	-	-	-	-	-
MW-3	03/11/1999	31.32	25.47	5.85	<50	-	653	136	69.5	13.7	63.8	144	-	-	-	-	-	-	-
MW-3	06/17/1999	31.32	25.42	5.90	103[1]	-	530	190	110	24	88	210	-	-	-	-	-	-	-
MW-3	09/29/1999	31.32	25.71	5.61	232[1]	-	433	97.8	61.4	16.9	56.6	156	-	-	-	-	-	-	-
MW-3	12/14/1999	31.32	25.77	5.55	<50[2]	-	8,650	1,040	795	212	800	995	-	-	-	-	-	-	-
MW-3	03/09/2000[3]	31.32	25.18	6.14	74.6[1]	-	1,170	304	103	25.2	114	539	-	-	-	-	-	-	-

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CHEVRON SERVICE STATION 94800
1700 CASTRO ST.
OAKLAND, CALIFORNIA

					HYDROCARBONS			*PRIMARY VOCS*							*ADDITIONAL VOCS*				
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-DRO*	*TPH-DRO w/ Si Gel*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by VOC*	*MTBE by SW8240*	*MTBE by SW8260*	*ETHANOL*	*TBA*	*DIPE*	*ETBE*	*TAME*
	Units	*ft*	*ft*	*ft-amsl*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-3	06/10/2000	31.32	25.03	6.29	-	-	359	63.8	27.8	10.5	35.4	393	-	-	-	-	-	-	-
MW-3	09/30/2000	31.32	25.53	5.79	100[8]	-	220[6]	42	33	12	38	67	-	-	-	-	-	-	-
MW-3	12/22/2000	31.32	25.80	5.52	110[9]	-	370[6]	96	48	18	58	180	-	-	-	-	-	-	-
MW-3	03/01/2001	31.32	25.57	5.75	144[7]	-	912[6]	218	89.0	36.0	110	310	-	-	-	-	-	-	-
MW-3	05/04/2001	31.32	25.36	5.96	<50	-	1,260	146	79.6	38.2	101	1,070	-	-	-	-	-	-	-
MW-3	09/05/2001	31.32	25.71	5.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	12/21/2001	31.32	25.65	5.67	180	-	850	160	11	32	84	300	-	-	-	-	-	-	-
MW-3	03/15/2002	31.32	25.17	6.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	06/15/2002	31.32	25.31	6.01	<50	-	550	110	3.0	23	58	590	-	-	-	-	-	-	-
MW-3	09/06/2002	31.32	25.58	5.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	12/06/2002	31.32	25.76	5.56	160	-	350	60	1.3	11	32	530	-	-	-	-	-	-	-
MW-3	03/03/2003	31.32	25.40	5.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	06/17/2003[14]	31.32	25.13	6.19	130	-	560	90	2	19	57	-	-	590	-	-	-	-	-
MW-3	09/16/2003	31.32	25.47	5.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	12/31/2003[14]	31.32	25.65	5.67	120	-	840	140	24	25	87	-	-	670	66	-	-	-	-
MW-3	03/26/2004	31.32	24.99	6.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	08/17/2004[14]	31.32	25.86	5.46	110	-	630	84	18	11	35	-	-	410	<50	-	-	-	-
MW-3	11/16/2004[14]	34.16	25.90	8.26	92	-	740	100	4	21	45	-	-	460	<50	-	-	-	-
MW-3	02/18/2005	34.16	25.37	8.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/06/2005[14]	34.16	24.98	9.18	83	-	290	43	<1	6	11	-	-	740	<100	-	-	-	-
MW-3	08/05/2005	34.16	25.35	8.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/07/2005[14]	34.16	25.69	8.47	66	-	220	29	0.7	3	26	-	-	440	<50	-	-	-	-

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CHEVRON SERVICE STATION 94800
1700 CASTRO ST.
OAKLAND, CALIFORNIA

					HYDROCARBONS			*PRIMARY VOCS*							*ADDITIONAL VOCS*				
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-DRO*	*TPH-DRO w/ Si Gel*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by VOC*	*MTBE by SW8240*	*MTBE by SW8260*	*ETHANOL*	*TBA*	*DIPE*	*ETBE*	*TAME*
	Units	*ft*	*ft*	*ft-amsl*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-3	02/06/2006	34.16	25.28	8.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/08/2006[14]	34.16	24.49	9.67	310	-	560	70	<1	3	24	3,300	-	-	<100	-	-	-	-
MW-3	08/08/2006	34.16	25.16	9.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/08/2006[14]	34.16	25.59	8.57	210	-	510	<0.5	<0.5	<0.5	<0.5	73	-	-	<50	-	-	-	-
MW-3	02/06/2007	34.16	25.68	8.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/01/2007[14]	34.16	25.46	8.70	84	-	260	36	<0.5	0.8	18	-	-	1,200	<50	-	-	-	-
MW-3	07/31/2007	34.16	25.70	8.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/08/2007[14]	34.16	25.87	8.29	260	-	270	32	0.9	3	29	-	-	440	<50	-	-	-	-
MW-3	02/04/2008	34.16	25.68	8.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/01/2008[14]	34.16	25.66	8.50	82	-	240	30	<0.5	<0.5	20	-	-	690	<50	-	-	-	-
MW-3	08/01/2008	34.16	25.76	8.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/13/2008[14]	34.16	25.80	8.36	<50	-	720	22	<0.5	<0.5	7	-	-	790	<50	-	-	-	-
MW-3	02/23/2009	34.16	25.72	8.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	05/20/2009	34.16	25.30	8.86	210	-	460	42	<0.5	1	20	-	-	450	<50	-	-	-	-
MW-3	08/25/2009	34.16	25.56	8.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3	11/18/2009	34.16	25.71	8.45	240	-	280	25	<0.5	<0.5	9	-	-	170	<50	-	-	-	-
MW-3	05/18/2010	34.16	25.11	9.05	150	-	63 J	11	<0.5	<0.5	1	-	-	110	<50	470	-	-	-
MW-3	12/01/2010	34.16	25.69	8.47	110	-	78 J	6	<0.5	<0.5	3	-	-	19	<50	-	-	-	-
MW-3	05/04/2011	34.16	24.90	9.26	-	250	370	30	<0.5	<0.5	8	-	-	200	<50	-	-	-	-
MW-3	12/09/2011	34.16	25.56	8.60	64 J	-	210	10	<0.5	<0.5	9	-	-	230	<50	-	-	-	-
MW-3	05/31/2012	34.16	25.13	9.03	<50	-	<50	1	<0.5	<0.5	1	-	-	18	<50	-	-	-	-
MW-3	11/14/2012	34.16	25.36	8.80	-	<50	56 J	2	<0.5	<0.5	4	-	-	150	<50	-	-	-	-

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CHEVRON SERVICE STATION 94800
1700 CASTRO ST.
OAKLAND, CALIFORNIA

					HYDROCARBONS			PRIMARY VOCS							ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE by VOC	MTBE by SW8240	MTBE by SW8260	ETHANOL	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-3	06/03/2013	34.16	25.72	8.44	-	110	73 J	2	<0.5	<0.5	3	-	-	42	<50	-	-	-	-
MW-3	12/12/2013	34.16	26.47	7.69	140	-	110	1	<0.5	<0.5	2	-	-	74	<50	-	-	-	-
MW-3	**05/30/2014**	**34.16**	**26.00**	**8.16**	**-**	**<50**	**190**	**1**	**<0.5**	**<0.5**	**2**	**-**	**-**	**86**	**-**	**-**	**-**	**-**	**-**
MW-4	04/08/1999	30.13	-	-	-	-	130	3.1	<0.5	<0.5	7.7	4,700 / 5,400	-	-	<25,000	<5,000	<100	<100	<100
MW-4	06/17/1999	30.13	24.94	5.19	3,780[1]	-	590	58	<5.0	<5.0	160	6,200	-	-	-	-	-	-	-
MW-4	09/29/1999	30.13	25.17	4.96	1,130[1]	-	692	10.7	<2.5	5.51	236	7,840	-	-	-	-	-	-	-
MW-4	12/14/1999	30.13	25.22	4.91	571[1,2]	-	625	<10	3.83	<10	94.6	4,470	-	-	-	-	-	-	-
MW-4	03/09/2000[3]	30.13	24.68	5.45	600[1]	-	402	3.76	1.18	<0.5	71.4	3,140	-	-	-	-	-	-	-
MW-4	06/10/2000	30.13	24.60	5.53	-	-	<1,000	13.2	<10.0	<10.0	97.8	3,080	-	-	-	-	-	-	-
MW-4	09/30/2000	30.13	25.04	5.09	1,400[7]	-	280[6]	21	0.67	6.3	60	3,300	-	-	-	-	-	-	-
MW-4	12/22/2000	30.13	25.23	4.90	740[9]	-	240[6]	2.2	<0.50	1.3	25	2,200	-	-	-	-	-	-	-
MW-4	03/01/2001	30.13	24.98	5.15	661[7]	-	193	2.31	<0.500	1.34	12.1	1,220	-	-	-	-	-	-	-
MW-4	05/04/2001	30.13	24.88	5.25	1,100[7]	-	722	12.0	<5.00	17.1	89.4	2,390	-	-	-	-	-	-	-
MW-4	09/05/2001	30.13	25.17	4.96	2,500	-	1,400	23	2.2	19	260	2,300	-	-	-	-	-	-	-
MW-4	12/21/2001	30.13	25.07	5.06	1,100	-	310	2.9	<0.50	2.6	32	860	-	-	-	-	-	-	-
MW-4	03/15/2002	30.13	24.69	5.44	3,100	-	520	5.0	<0.50	15	6.8	2,700	-	-	-	-	-	-	-
MW-4	06/15/2002	30.13	24.84	5.29	2,400	-	950	16	3.6	41	100	2,200	-	2,400[12]	-	840	<2.0	<2.0	110
MW-4	09/06/2002	30.13	25.06	5.07	2,600	-	640	9.6	0.52	9.8	28	1,700	-	-	-	-	-	-	-
MW-4	12/06/2002	30.13	25.20	4.93	1,400	-	280	3.6	<0.50	1.7	<1.5	730	-	-	-	-	-	-	-
MW-4	03/03/2003	30.13	24.85	5.28	1,500	-	280	2.7	<0.50	7.3	2.3	910	-	-	-	-	-	-	-
MW-4	06/17/2003[14]	30.13	24.69	5.44	2,000	-	660	8	1	38	16	-	-	1,100	-	520	<0.5	<0.5	110

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 94800
1700 CASTRO ST.
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					HYDROCARBONS			PRIMARY VOCS							ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE by VOC	MTBE by SW8240	MTBE by SW8260	ETHANOL	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-4	09/16/2003[14]	30.13	24.98	5.15	2,100[16]	-	480	6	<1	11	3	-	-	710	<100	-	-	-	-
MW-4	12/31/2003[14]	30.13	25.06	5.07	1,400	-	220	3	<0.5	2	<0.5	-	-	390	<50	-	-	-	-
MW-4	03/26/2004	30.13	24.53	5.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	08/17/2004[14]	30.13	25.45	4.68	2,100	-	470	12	1	28	4	-	-	370	<50	66	<0.5	<0.5	50
MW-4	11/16/2004[14]	33.07	25.44	7.63	960	-	270	7	<0.5	7	6	-	-	270	<50	-	-	-	-
MW-4	02/18/2005	33.07	25.00	8.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/06/2005[14]	33.07	24.69	8.38	350	-	86	0.7	<0.5	<0.5	<0.5	-	-	110	<50	21	<0.5	<0.5	8
MW-4	08/05/2005	33.07	25.02	8.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/07/2005[14]	33.07	25.33	7.74	150	-	54	0.6	<0.5	<0.5	<0.5	-	-	59	<50	-	-	-	-
MW-4	02/06/2006	33.07	24.94	8.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/08/2006[14]	33.07	24.27	8.80	200	-	66	0.5	<0.5	<0.5	<0.5	92	-	-	<50	-	-	-	-
MW-4	08/08/2006	33.07	25.16	7.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/08/2006[14]	33.07	25.23	7.84	400	-	55	<0.5	<0.5	<0.5	<0.5	40	-	-	<50	-	-	-	-
MW-4	02/06/2007	33.07	25.28	7.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/01/2007[14]	33.07	25.08	7.99	150	-	67	<0.5	<0.5	<0.5	<0.5	-	-	76	<50	10	<0.5	<0.5	6
MW-4	07/31/2007	33.07	25.27	7.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/08/2007[14]	33.07	25.42	7.65	850	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	44	<50	-	-	-	-
MW-4	02/04/2008	33.07	25.23	7.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	05/01/2008[14]	33.07	25.21	7.86	110	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	67	<50	12	<0.5	<0.5	4
MW-4	08/01/2008	33.07	25.28	7.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/13/2008[14]	33.07	25.43	7.64	330	-	64	<0.5	<0.5	<0.5	1	-	-	220	<50	-	-	-	-
MW-4	02/23/2009	33.07	25.06	8.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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CHEVRON SERVICE STATION 94800
1700 CASTRO ST.
OAKLAND, CALIFORNIA

					HYDROCARBONS			PRIMARY VOCS							ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE by VOC	MTBE by SW8240	MTBE by SW8260	ETHANOL	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-4	05/20/2009	33.07	24.73	8.34	560	-	130	<0.5	<0.5	<0.5	<0.5	-	-	190	<50	58	<0.5	<0.5	6
MW-4	08/25/2009	33.07	24.97	8.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4	11/18/2009	33.07	25.27	7.80	860	-	120	<0.5	<0.5	<0.5	<0.5	-	-	150	<50	-	-	-	-
MW-4	05/18/2010	33.07	24.73	8.34	340	-	56 J	<0.5	<0.5	<0.5	<0.5	-	-	70	<50	33	<0.5	<0.5	4
MW-4	12/01/2010	33.07	25.13	7.94	570	-	64 J	<0.5	<0.5	<0.5	<0.5	-	-	110	<50	-	-	-	-
MW-4	05/04/2011	33.07	24.50	8.57	-	60 J	<50	<0.5	<0.5	<0.5	<0.5	-	-	25	<50	49	<0.5	<0.5	<0.5
MW-4	12/09/2011	33.07	25.12	7.95	140	-	56 J	<0.5	<0.5	<0.5	<0.5	-	-	18	<50	-	-	-	-
MW-4	05/31/2012	33.07	24.75	8.32	140	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	17	<50	60	<0.5	<0.5	0.7 J
MW-4	11/14/2012	33.07	25.22	7.85	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	-	21	<50	-	-	-	-
MW-4	06/03/2013	33.07	25.28	7.79	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	-	7	<50	21	<0.5	<0.5	<0.5
MW-4	12/12/2013	33.07	26.09	6.98	100	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	12	<50	-	-	-	-
MW-4	**05/30/2014**	**33.07**	**26.29**	**6.78**	**-**	**<50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**	**-**	**7**	**-**	**45**	**<0.5**	**<0.5**	**<0.5**
MW-5	04/08/1999	30.93	-	-	<50	-	<50	<0.5	<0.5	<0.5	<0.5	<2.0 / <2.5	-	-	<500	<100	<2.0	<2.0	<2.0
MW-5	06/17/1999	30.93	26.00	4.93	53.8[1]	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
MW-5	09/29/1999	30.93	26.20	4.73	<50	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
MW-5	12/14/1999	30.93	26.32	4.61	<50[2]	-	<50	<0.5	<0.5	<0.5	<0.5	0.598	-	-	-	-	-	-	-
MW-5	03/09/2000[3]	30.93	25.93	5.00	<50	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
MW-5	06/10/2000	30.93	25.72	5.21	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	-	-	-	-	-	-	-
MW-5	09/30/2000	30.93	26.14	4.79	130[8]	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-
MW-5	12/22/2000	30.93	26.33	4.60	250[8]	-	<50	<0.50	<0.50	<0.50	<0.50	9.1	-	-	-	-	-	-	-
MW-5	03/01/2001	30.93	26.16	4.77	77.4[7]	-	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	-	-	-	-	-	-	-

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CHEVRON SERVICE STATION 94800
1700 CASTRO ST.
OAKLAND, CALIFORNIA

					HYDROCARBONS			*PRIMARY VOCS*							*ADDITIONAL VOCS*				
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-DRO*	*TPH-DRO w/ Si Gel*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by VOC*	*MTBE by SW8240*	*MTBE by SW8260*	*ETHANOL*	*TBA*	*DIPE*	*ETBE*	*TAME*
	Units	*ft*	*ft*	*ft-amsl*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-5	05/04/2001	30.93	26.04	4.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	09/05/2001	30.93	26.21	4.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	12/21/2001	30.93	26.20	4.73	110	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-
MW-5	03/15/2002	30.93	25.87	5.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	06/15/2002	30.93	25.98	4.95	<50	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-
MW-5	09/06/2002	30.93	26.18	4.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	12/06/2002	30.93	26.32	4.61	<50	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-
MW-5	03/03/2003	30.93	25.99	4.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	06/17/2003[14]	30.93	25.87	5.06	<50	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
MW-5	09/16/2003	30.93	26.09	4.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	12/31/2003[14]	30.93	26.21	4.72	<50	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<50	-	-	-	-
MW-5	03/26/2004	30.93	25.74	5.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5	08/17/2004	30.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	04/08/1999	30.58	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	5.6 / 4.5	-	-	<500	<100	<2.0	<2.0	<2.0
MW-6	06/17/1999	30.58	24.59	5.99	<50	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
MW-6	09/29/1999	30.58	24.77	5.81	<50	-	<50	<0.5	<0.5	<0.5	<0.5	4.46	-	-	-	-	-	-	-
MW-6	12/14/1999	30.58	24.84	5.74	<50[2]	-	<50	<0.5	<0.5	<0.5	<0.5	4.13	-	-	-	-	-	-	-
MW-6	03/09/2000[3]	30.58	24.09	6.49	<50	-	<50	<0.5	<0.5	<0.5	<0.5	2.82	-	-	-	-	-	-	-
MW-6	06/10/2000	30.58	24.00	6.58	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	-	-	-	-	-	-	-
MW-6	09/30/2000	30.58	24.58	6.00	110[8]	-	<50	<0.50	<0.50	<0.50	<0.50	7.3	-	-	-	-	-	-	-
MW-6	12/22/2000	30.58	24.83	5.75	100[8]	-	<50	<0.50	<0.50	<0.50	<0.50	4.5	-	-	-	-	-	-	-

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CHEVRON SERVICE STATION 94800
1700 CASTRO ST.
OAKLAND, CALIFORNIA

					HYDROCARBONS			*PRIMARY VOCS*							*ADDITIONAL VOCS*				
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-DRO*	*TPH-DRO w/ Si Gel*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by VOC*	*MTBE by SW8240*	*MTBE by SW8260*	*ETHANOL*	*TBA*	*DIPE*	*ETBE*	*TAME*
	Units	*ft*	*ft*	*ft-amsl*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-6	03/01/2001	30.58	24.51	6.07	141[7]	-	<50.0	<0.500	<0.500	<0.500	<0.500	7.52	-	-	-	-	-	-	-
MW-6	05/04/2001	30.58	24.32	6.26	<50	-	<50.0	<0.500	<5.00	<5.00	<5.00	2.74	-	-	-	-	-	-	-
MW-6	09/05/2001	30.58	24.59	5.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	12/21/2001	30.58	24.65	5.93	200	-	<50	<0.50	<0.50	<0.50	<1.5	8.5	-	-	-	-	-	-	-
MW-6	03/15/2002	30.58	24.14	6.44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	06/15/2002	30.58	24.33	6.25	<50	-	<50	<0.50	<0.50	<0.50	<1.5	4.3	-	-	-	-	-	-	-
MW-6	09/06/2002	30.58	24.60	5.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	12/06/2002	30.58	24.79	5.79	64	-	<50	<0.50	<0.50	<0.50	<1.5	5.0	-	-	-	-	-	-	-
MW-6	03/03/2003	30.58	24.44	6.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	06/17/2003[14]	30.58	24.11	6.47	<50	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	13	-	-	-	-	-
MW-6	09/16/2003	30.58	24.52	6.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	12/31/2003[14]	30.58	24.58	6.00	<50	-	<50	<0.5	<0.5	<0.5	0.5	-	-	14	<50	-	-	-	-
MW-6	03/26/2004	30.58	23.89	6.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	08/17/2004	30.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7	05/04/2001[11]	31.90	27.87	4.03	<50	-	<50.0	<0.500	<5.00	<5.00	<5.00	567	-	470[12]	<500	57	<2.0	<2.0	11
MW-7	09/05/2001	31.90	28.04	3.86	<50	-	<50	<0.50	<0.50	<0.50	<1.5	1,400	-	1,300[12]	<500	<100	<2.0	<2.0	32
MW-7	12/21/2001	31.90	28.86	3.04	210	-	<50	<0.50	<0.50	<0.50	<1.5	620	-	670[12]	<500	<100	<2.0	<2.0	15
MW-7	03/15/2002	31.90	27.72	4.18	<50	-	<50	<0.50	<0.50	<0.50	<1.5	350 / 320	-	350[12]	<500	<100	<2.0	<2.0	8
MW-7	06/15/2002	31.90	27.84	4.06	<50	-	<50	<0.50	<0.50	<0.50	<1.5	850	-	960[12]	-	<100	<2.0	<2.0	18
MW-7	09/06/2002	31.90	27.97	3.93	<50	-	59	<0.50	<0.50	<0.50	<1.5	1,900	-	-	-	-	-	-	-
MW-7	12/06/2002	31.90	28.03	3.87	<50	-	68	<0.50	<0.50	<0.50	<1.5	2,200	-	-	-	-	-	-	-

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1700 CASTRO ST.
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					HYDROCARBONS			PRIMARY VOCS							ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE by VOC	MTBE by SW8240	MTBE by SW8260	ETHANOL	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-7	03/03/2003	31.90	27.69	4.21	<50	-	<50	<0.50	<0.50	<0.50	<1.5	1,300	-	-	-	-	-	-	-
MW-7	06/17/2003[14]	31.90	27.76	4.14	<50	-	79	<0.5	<0.5	<0.5	<0.5	-	-	2,500	-	37	<0.5	<0.5	53
MW-7	09/16/2003[14]	31.90	27.83	4.07	<50[17]	-	110	<5	<5	<5	<5	-	-	4,400	<500	-	-	-	-
MW-7	12/31/2003[14]	31.90	27.86	4.04	<50	-	76	<2.0	<2.0	<2.0	<2.0	-	-	3,000	<200	-	-	-	-
MW-7	03/26/2004[14]	31.90	27.65	4.25	<50	-	61	<1	<1	<1	<1	-	-	2,000	-	-	-	-	-
MW-7	08/17/2004[14]	31.90	27.88	4.02	2,200	-	130	<5	<5	<5	<5	-	-	8,000	<500	<50	<5	<5	140
MW-7	11/16/2004[14]	34.35	27.87	6.48	<50	-	200	<3	<3	<3	<3	-	-	7,300	<250	-	-	-	-
MW-7	02/18/2005[14]	34.35	27.60	6.75	64	-	86	<10	<10	<10	<10	-	-	5,700	<1,000	-	-	-	-
MW-7	05/06/2005[14]	34.35	27.43	6.92	60	-	160	<5	<5	<5	<5	-	-	8,400	<500	<50	<5	<5	140
MW-7	08/05/2005[14]	34.35	27.65	6.70	81[18]	-	500	<5	<5	<5	<5	-	-	20,000[19]	<500	-	-	-	-
MW-7	11/07/2005[14]	34.35	27.79	6.56	68	-	300	<10	<10	<10	<10	-	-	24,000	<1,000	-	-	-	-
MW-7	02/06/2006[14]	34.35	27.54	6.81	72[21]	-	300	<0.5	<0.5	<0.5	<0.5	14,000	-	-	<50	-	-	-	-
MW-7	05/08/2006[14]	34.35	27.15	7.20	94	-	80	<2.0	<2.0	3	7	6,500	-	-	<200	-	-	-	-
MW-7	08/08/2006[14]	34.35	27.53	6.82	150	-	520	<10	<10	<10	<10	17,000	-	-	<1,000	-	-	-	-
MW-7	11/08/2006[14]	34.35	27.75	6.60	440	-	900	<5	<5	<5	<5	41,000	-	-	<500	-	-	-	-
MW-7	02/06/2007[14]	34.35	27.76	6.59	200	-	590	<5	<5	<5	<5	-	-	31,000	<500	-	-	-	-
MW-7	05/01/2007[14]	34.35	27.65	6.70	190	-	380	<3	<3	<3	<3	-	-	14,000	<250	<10	<3	<3	260
MW-7	07/31/2007[14]	34.35	27.75	6.60	270	-	570	<3	<3	<3	<3	-	-	15,000	<250	-	-	-	-
MW-7	11/08/2007[14]	34.35	27.83	6.52	150	-	520	<5	<5	<5	<5	-	-	25,000	<500	-	-	-	-
MW-7	02/04/2008[14]	34.35	27.69	6.66	87	-	540	<1	<1	<1	<1	-	-	17,000	<100	-	-	-	-
MW-7	05/01/2008[14]	34.35	27.72	6.63	<50	-	230	<5	<5	<5	<5	-	-	10,000	<500	<20	<5	<5	170
MW-7	08/01/2008[14]	34.35	27.84	6.51	<50	-	330	<3	<3	<3	<3	-	-	12,000	<250	-	-	-	-

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 94800
1700 CASTRO ST.
OAKLAND, CALIFORNIA

					HYDROCARBONS			*PRIMARY VOCS*							*ADDITIONAL VOCS*				
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-DRO*	*TPH-DRO w/ Si Gel*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by VOC*	*MTBE by SW8240*	*MTBE by SW8260*	*ETHANOL*	*TBA*	*DIPE*	*ETBE*	*TAME*
	Units	*ft*	*ft*	*ft-amsl*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
MW-7	11/13/2008[14]	34.35	28.01	6.34	64	-	390	<10	<10	<10	<10	-	-	16,000	<1,000	-	-	-	-
MW-7	02/23/2009[14]	34.35	27.65	6.70	100	-	270	<3	<3	<3	<3	-	-	11,000	<250	-	-	-	-
MW-7	05/20/2009	34.35	27.55	6.80	48 J	-	210	<1	<1	<1	<1	-	-	6,300	<100	31	<1	<1	120
MW-7	08/25/2009	34.35	27.70	6.65	<100 U	-	160	<3	<3	<3	<3	-	-	5,700	<250	-	-	-	-
MW-7	11/18/2009	34.35	27.77	6.58	250	-	100	<1	<1	<1	<1	-	-	2,800	<130	-	-	-	-
MW-7	05/18/2010	34.35	27.51	6.84	160	-	76 J	<1	<1	<1	<1	-	-	2,400	<100	<4	<1	2	52
MW-7	12/01/2010	34.35	27.71	6.64	120	-	230	<0.5	<0.5	<0.5	<0.5	-	-	7,000	<50	-	-	-	-
MW-7	05/04/2011	34.35	27.35	7.00	-	85 J	150	<0.5	<0.5	<0.5	<0.5	-	-	4,200	<50	<2	<0.5	1	100
MW-7	12/09/2011	34.35	26.15	8.20	66 J	-	250	<0.5	<0.5	<0.5	<0.5	-	-	7,400	<50	-	-	-	-
MW-7	05/31/2012	34.35	27.40	6.95	81 J	-	240	<3	<3	<3	<3	-	-	10,000	<250	<10	<3	<3	230
MW-7	11/14/2012	34.35	27.47	6.88	-	<50	320	<0.5	<0.5	<0.5	<0.5	-	-	8,200	<50	-	-	-	-
MW-7	06/03/2013	34.35	27.80	6.55	-	<50	60 J	<0.5	<0.5	<0.5	<0.5	-	-	1,400	<50	<2	<0.5	0.7 J	33
MW-7	12/12/2013	34.35	28.80	5.55	350	-	160	2	<0.5	<0.5	3	-	-	50	<50	-	-	-	-
MW-7	**05/30/2014**	**34.35**	**28.02**	**6.33**	**-**	**<50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**	**-**	**990**	**-**	**5 J**	**<0.5**	**1**	**22**
QA	12/21/2001	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-
QA	03/15/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-
QA	06/15/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-
QA	09/06/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-
QA	12/06/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-
QA	06/17/2003[14]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	09/16/2003[14]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-

TABLE 1

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CHEVRON SERVICE STATION 94800
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OAKLAND, CALIFORNIA

					HYDROCARBONS			PRIMARY VOCS							ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE by VOC	MTBE by SW8240	MTBE by SW8260	ETHANOL	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
QA	12/31/2003[14]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	03/26/2004[14]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	08/17/2004[14]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	11/16/2004[14]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	02/18/2005[14]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	05/06/2005[14]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	08/05/2005[14]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	11/07/2005[14]	-	-	-	-	-	<50	0.6	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	02/06/2006[14]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	05/08/2006[14]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	08/08/2006[14]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	11/08/2006[14]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-	-
QA	02/06/2007[14]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	05/01/2007[14]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	07/31/2007[14]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	11/08/2007[14]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	02/04/2008[14]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	05/01/2008[14]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	08/01/2008[14]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	11/13/2008[14]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	02/23/2009[14]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	05/20/2009	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-

TABLE 1

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CHEVRON SERVICE STATION 94800
1700 CASTRO ST.
OAKLAND, CALIFORNIA

					HYDROCARBONS			*PRIMARY VOCS*							*ADDITIONAL VOCS*				
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-DRO*	*TPH-DRO w/ Si Gel*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by VOC*	*MTBE by SW8240*	*MTBE by SW8260*	*ETHANOL*	*TBA*	*DIPE*	*ETBE*	*TAME*
	Units	*ft*	*ft*	*ft-amsl*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*
QA	08/25/2009	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	11/18/2009	-	-	-	-	-	<50	<0.5	0.5 J	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	05/18/2010	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	12/01/2010	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	05/04/2011	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	12/09/2011	-	-	-	-		<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	05/31/2012	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	11/14/2012	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	06/03/2013	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	12/12/2013	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	**05/30/2014**	**-**	**-**	**-**	**-**	**-**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**	**-**	**<0.5**	**-**	**-**	**-**	**-**	**-**
Trip Blank	06/04/1997	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
Trip Blank	09/16/1997	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
Trip Blank	12/17/1997	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
Trip Blank	03/18/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
Trip Blank	06/28/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	<2.5	-	-	-	-	-	-
Trip Blank	09/07/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
Trip Blank	12/09/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
Trip Blank	03/11/1999	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0	-	-	-	-	-	-	-
Trip Blank	06/17/1999	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
Trip Blank	12/14/1999	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-

TABLE 1

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CHEVRON SERVICE STATION 94800
1700 CASTRO ST.
OAKLAND, CALIFORNIA

					HYDROCARBONS			PRIMARY VOCS							ADDITIONAL VOCS				
Location	Date	TOC	DTW	GWE	TPH-DRO	TPH-DRO w/ Si Gel	TPH-GRO	B	T	E	X	MTBE by VOC	MTBE by SW8240	MTBE by SW8260	ETHANOL	TBA	DIPE	ETBE	TAME
	Units	ft	ft	ft-amsl	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Trip Blank	03/09/2000[3]	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	-	-	-	-	-	-	-
Trip Blank	06/10/2000	-	-	-	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	-	-	-	-	-	-	-
Trip Blank	09/30/2000	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-
Trip Blank	12/22/2000[10]	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	-	-	-	-	-	-	-
Trip Blank	03/01/2001	-	-	-	-	-	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	-	-	-	-	-	-	-
Trip Blank	05/04/2001	-	-	-	-	-	<50.0	<0.500	<5.00	<5.00	<5.00	<0.500	-	-	-	-	-	-	-
Trip Blank	09/05/2001	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	-	-	-	-	-	-	-

Abbreviations and Notes:

TOC = Top of casing

DTW = Depth to water

GWE = Groundwater elevation

(ft-amsl) = Feet above mean sea level

ft = Feet

µg/L = Micrograms per liter

TPH-DRO = Total petroleum hydrocarbons - diesel range organics

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

VOCS = Volatile organic compounds

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes (Total)

TABLE 1

GROUNDWATER MONITORING AND SAMPLING DATA
CHEVRON SERVICE STATION 94800
1700 CASTRO ST.
OAKLAND, CALIFORNIA

					HYDROCARBONS			*PRIMARY VOCS*							*ADDITIONAL VOCS*				
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-DRO*	*TPH-DRO w/ Si Gel*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by VOC*	*MTBE by SW8240*	*MTBE by SW8260*	*ETHANOL*	*TBA*	*DIPE*	*ETBE*	*TAME*
	Units	*ft*	*ft*	*ft-amsl*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*

MTBE = Methyl tertiary butyl ether

TBA = Tert-butyl alcohol

DIPE = Di-isopropyl ether

ETBE = Ethyl t-butyl ether

TAME = Tert-amyl methyl ether

-- = Not available / not applicable

<x = Not detected above laboratory method detection limit

J = Estimated Value (The result is ≥ the method detection limit and < the limit of quantitation)

1 Chromatogram pattern indicates an unidentified hydrocarbon.

2 Sample was extracted outside EPA recommended holding time.

3 TPH-G, BTEX and MTBE was analyzed outside EPA recommended holding time.

4 EPA Method 8240.

5 Confirmation run.

6 Laboratory report indicates gasoline C6-C12.

7 Laboratory report indicates unidentified hydrocarbons C9-C24.

8 Laboratory report indicates unidentified hydrocarbons >C16.

9 Laboratory report indicates unidentified hydrocarbons C9-C40.

10 Laboratory report indicates this sample was analyzed outside of the EPA recommended holding time.

11 Well development performed.

12 MTBE by EPA Method 8260.

14 BTEX and MTBE by EPA Method 8260.

15 Laboratory report indicates the surrogate data for the method blank is outside QC limits. Results from the re-extraction are within the limits. The hold time

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					HYDROCARBONS			*PRIMARY VOCS*							*ADDITIONAL VOCS*				
Location	Date	*TOC*	*DTW*	*GWE*	*TPH-DRO*	*TPH-DRO w/ Si Gel*	*TPH-GRO*	*B*	*T*	*E*	*X*	*MTBE by VOC*	*MTBE by SW8240*	*MTBE by SW8260*	*ETHANOL*	*TBA*	*DIPE*	*ETBE*	*TAME*
	Units	*ft*	*ft*	*ft-amsl*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*	*µg/L*

had expired prior to re-extraction so all results are reported from the original extract. The TPH-D result from the re-extraction is 910 ppb.

16 Laboratory report indicates the surrogate data for the method blank is outside QC limits. Results from the re-extraction are within the limits. The hold time had expired prior to re-extraction so all results are reported from the original extract. The TPH-D result from the re-extraction is 1,700 ppb.

17 Laboratory report indicates the surrogate data for the method blank is outside QC limits. Results from the re-extraction are within the limits. The hold time had expired prior to re-extraction so all results are reported from the original extract. Similar results were obtained in both extracts.

18 Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range later than #2 fuel.

19 Analytical result confirmed.

20 Laboratory report indicates the observed sample pattern includes #2 fuel/diesel and an additional pattern which elutes later in the DRO range.

21 Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. The reported result is due to individual peak(s) eluting in the DRO range.

ATTACHMENT A

MONITORING DATA PACKAGE

BLAINE™
TECH SERVICES

June 9, 2014

Chevron Environmental Management Company
Alexis Fischer
6101 Bollinger Canyon Rd.
San Ramon, CA 94583

Second Quarter 2014 Monitoring at
Chevron Service Station 94800
1700 Castro St.
Oakland, CA

Monitoring performed on May 30, 2014

Blaine Tech Services, Inc. Groundwater Monitoring Event 140530JO1

This submission covers the routine monitoring of groundwater wells conducted on May 30, 2014 at this location. Five 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. 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.

SAN JOSE SACRAMENTO LOS ANGELES SAN DIEGO
1680 ROGERS AVENUE SAN JOSE, CA 95112-1105 (408) 573-0555 FAX (408) 573-7771 LIC. 746684 www.blainetech.com

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

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

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

Please call if you have any questions.

Sincerely,

Dustin Becker
Blaine Tech Services, Inc.
Senior Project Manager

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

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

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BLAINE TECH SERVICES, INC.
METHODS AND PROCEDURES
FOR THE ROUTINE MONITORING OF
GROUNDWATER WELLS AT CHEVRON SITES

Blaine Tech Services, Inc. performs environmental sampling and documentation as an independent third party. We specialize in groundwater monitoring assignments and intentionally limit the scope of our services to those centered on the generation of objective information.

To avoid conflicts of interest, Blaine Tech Services, Inc. personnel do not evaluate or interpret the information we collect. As a state licensed contractor (C-57 well drilling –water – 746684) performing strictly technical services, we do not make any professional recommendations and perform no consulting of any kind.

SAMPLING PROCEDURES OVERVIEW

SAFETY

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

INSPECTION AND GAUGING

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

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

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

TRADITIONAL PURGING & SAMPLING

Evacuation

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

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

Parameter Stabilization

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

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

Sample Collection

All samples are collected using disposable bailers.

Sample Containers

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

Dewatered Wells

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

Measuring Recharge

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

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

Dissolved Oxygen Measurements

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

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

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

Oxidation Reduction Potential Measurements (ORP)

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

LOW FLOW SAMPLING USING SAMPLE-PRO BLADDER PUMP

Calibration

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

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

Purging & Sampling Collection

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

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

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

PURGEWATER CONTAINMENT

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

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

TRIP BLANKS

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

DUPLICATES

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

SAMPLE STORAGE

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

DOCUMENTATION CONVENTIONS

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

DECONTAMINATION

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

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

facilitated by the use of proprietary fixtures and devices included in the patented workstation (U.S. Patent 5,535,775) that is incorporated in each sampling vehicle.
Any sensitive equipment or parts (i.e. Dissolved Oxygen sensor membrane, water level indicator, etc.) that cannot be washed using the high pressure water, will be sprayed with a non-phosphate soap and deionized water solution and rinsed with deionized water.

FERROUS IRON MEASUREMENTS

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

WELL GAUGING DATA

Project # 140530-301 Date 5-30-14 Client Chevron

Site 1700 Castro St 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	0830	2					26.32	30.90		
MW-2	0821	2					25.10	30.38		
MW-3	0804	2					26.00	30.25		
MW-4	0817	2					26.29	~~29.91~~ 28.91		
MW-7	0810	2					28.02	30.15		

CHEVRON WELL MONITORING DATA SHEET

Project #: 140530-101	Station #: 1-4800
Sampler: JB	Date: 5-30-14
Weather: Overcast	Ambient Air Temperature: 70°
Well I.D.: ~~MW-1~~ MW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 30.80	Depth to Water: 26.22
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]: 27.13	

Purge Method:

- Bailer
- (Disposable Bailer)
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer

- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- Other: _____

0.7 (Gals.) X	3 =	2.1 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0836	73.6	6.50	1036	>1000	0.7	
0838	74.0	6.49	1040	>1000	1.4	
0840	74.0	6.47	1042	>1000	2.1	

Did well dewater? Yes (No)	Gallons actually evacuated: 2.1		
Sampling Date: 5-30-14	Sampling Time: 0845	Depth to Water: 26.44	
Sample I.D.: MW-1	Laboratory: (Lancaster) Other_____		
Analyzed for: TPH-G BTEX MTBE OXYS Other:			
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE OXYS Other:		
D.O. (if req'd): Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 140530 - JG	Station #: 9-4800
Sampler: JD	Date: 5-30-14
Weather: Overcast	Ambient Air Temperature: 70°
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 30.38	Depth to Water: 25.10
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]: 26.15	

Purge Method:

- Bailer
- (Disposable Bailer)
- (Positive Air Displacement)
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer

- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- Other: _____

0.8 (Gals.) X	3 =	2.4 Gals.
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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1051	70.1	6.77	638	>1000	0.8	
1053	70.0	6.74	640	>1000	1.6	
1055	70.0	6.74	641	>1000	2.4	

Did well dewater? Yes (No) Gallons actually evacuated: 2.4

Sampling Date: MW-2 5-30-14 Sampling Time: 1100 Depth to Water:

Sample I.D.: MW-2 Laboratory: (Lancaster) Other_____

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

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

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

CHEVRON WELL MONITORING DATA SHEET

Project #: 140530-101	Station #: 9-4800
Sampler: JD	Date: 5-30-14
Weather: Overcast	Ambient Air Temperature: 70°F
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 30.25	Depth to Water: 26.00
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]: 26.85	

Purge Method:

Bailer	Waterra	
(Disposable Bailer)	Peristaltic	
Positive Air Displacement	Extraction Pump	
Electric Submersible	Other_____	

Sampling Method: Bailer

(Disposable Bailer)	
Extraction Port	
Dedicated Tubing	
Other: _____	

0.7 (Gals.) X 3 = 2.1 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	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0923	72.9	6.51	1071	>1000	0.7	
0925	73.0	6.47	1074	>1000	1.4	
0927	73.0	6.47	1076	>1000	2.1	

Did well dewater? Yes (No) Gallons actually evacuated: 2.1

Sampling Date: 5-30-14 Sampling Time: 0930 Depth to Water: 26.82

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

CHEVRON WELL MONITORING DATA SHEET

Project #: 140530-101	Station #: 9-4906
Sampler: LO	Date: 5-30-14
Weather: Overcast	Ambient Air Temperature: 70° F
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 29.91	Depth to Water: 26.29
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]: 26.81	

Purge Method:

- Bailer
- (Disposable Bailer)
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer

- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- Other: _____

0.4 (Gals.) X 3 = 1.2 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1023	70.1	6.84	1312	>1000	0.4	
1025	70.2	6.82	1314	>1000	0.8	
1027	70.2	6.82	1317	>1000	1.2	

Did well dewater? Yes (No) Gallons actually evacuated: 1.2

Sampling Date: 5-30-14 Sampling Time: 1030 Depth to Water: 26.34

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 #: 140530-19	Station #: 9-4800
Sampler: JD	Date: 5-30-14
Weather: Overcast	Ambient Air Temperature: 70° F
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 30.15	Depth to Water: 29.02
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]: 29.94	

Purge Method:

- Bailer
- (Disposable Bailer)
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method: Bailer

- (Disposable Bailer)
- Extraction Port
- Dedicated Tubing
- Other: _____

0.3 (Gals.) X	3	=	0.9 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius² * 0.163

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
0955	70.1	6.61	1029	>1000	0.3	
0956	70.1	6.54	1031	>1000	0.6	
0957	70.1	6.54	1034	>1000	0.9	

Did well dewater? Yes (No)	Gallons actually evacuated: 0.9		
Sampling Date: 5-30-14	Sampling Time: 1000	Depth to Water: 28.36	
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

Ø53Ø14-Ø2

CHAIN OF CUSTODY FORM

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

Chevron Site Number: 94800
Chevron Site Global ID: T0600102076
Chevron Site Address: 1700 Castro St.,
Oakland, CA
Chevron PM: Alexis Fischer
Chevron PM Phone No.: (925)790-6441
☒ Retail and Terminal Business Unit (RTBU) Job
☒ Construction/Retail Job

Chevron Consultant: CRA
Address: 2300 Clayton Rd., Suite 920, Concord,
CAConsultant Contact: Nathan Lee
Consultant Phone No. 925-849-1003
Consultant Project No. 140530.361
Sampling Company: Blaine Tech Services
Sampled By (Print): J. Cruz
Sampler Signature:

Charge Code: NWRTB-0098247-0-OML
NWRTB 00SITE NUMBER-0- WBS
(WBS ELEMENTS:
SITE ASSESSMENT: A1L REMEDIATION IMPLEMENTATION: R5L
SITE MONITORING: OML OPERATION MAINTENANCE & MONITORING: M1L

THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.

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

Other Lab

Temp. Blank Check Time / Temp.
0800 / 1°C
0800 / 1°C

ANALYSES REQUIRED

SAMPLE ID: Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type	EPA 8260B/GC/MS TPH-G☐ BTEX☑ MTBE☑ OXYGENATES☐ HVOC☐	EPA 8015B GRO☒ DRO☒ ORO☐ HC SCREEN☐	EPA 8021B BTEX☐ MTBE☐	EPA 6010 Ca, Fe, K, Mg, Mn, Na	EPA6010/7000 TITLE 22 METALS☐ TTLC☐ STLC☐	EPA150.1 PH☐	EPA 310.1 ALKALINITY☐	SM2510B SPECIFIC CONDUCTIVITY	EPA 418.1 TRPH☐	EPA 413.1 OIL & GREASE☐	EPA 8260 ETHANOL	EPA 8015 TPH-D☐	1	Notes/Comments
MW-1	GW		140530	0945	8	Mixed	X	X											
MW-2				1100			X	X											
MW-3				0930			X	X											
MW-4				1030			X	X										X	
MW-7				1000			X	X										X	
QA	↓			0900	2	VOAs	X	X											NO TPH-D

5 oxygenates (8260)

Special Instructions
Must meet lowest detection limits possible for 8260 Compounds, Silica Gel Clean Up required for DRO (10-gram method)

H =HCL T= Thiosulfate
N =HNO_3 B = NaOH
S = H_2SO_4 O = Other

Relinquished By	Company	Date/Time:	Relinquished To	Company	Date/Time
	BTS	5-30-14/1330		LLI	30MAY14 1330
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time

Turnaround Time:
Standard☒ 24 Hours☐ 48 hours☐ 72 Hours☐ Other☐

Sample Integrity: (Check by lab on arrival)
Intact: ____ On Ice: ____ Temp: ____
COC #

WELLHEAD INSPECTION CHECKLIST

Client Chevron Date 5-30-14

Site Address 7000 Cuatro St., Oakland

Job Number 490530-307 Technician JZ

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12"or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12"or less)	Water Bailed From Wellbox	Welibox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
MW-1		X	X					X		
MW-2		X	X					X		
MW-3	X	X	X							
MW-4	X	X	X	X						
MW-7	X	X	X	X						

NOTES: MW-1-1 3Bolts, MW-2 - 3/3 Bolt - 1/3 Nuts

CHEVRON-NORTHERN CALIFORNIA TYPE **A** BILL OF LADING BILL OF LADING No._____

SOURCE RECORD **BILL OF LADING**

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

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

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

9-4800 — Alexis Fisher
CHEVRON # — Chevron Engineer

1700 — Castro — St — Oakland — CA
street number — street name — city — state

WELL I.D.	GALS.	WELL I.D.	GALS.
MW-1	2.1		
MW-2	2.4		
MW-3	2.1		
MW-4	1.2		
MW-7	0.9		
added equip. rinse water	1.3	any other adjustments	

TOTAL GALS. RECOVERED 10.0

loaded onto BTS vehicle # 85

BTS event # 141530-101 time 1100 date 5/30/14

Transporter signature

****

REC'D AT BTS time date 5/30/14

Unloaded/received by signature

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME Marvin 9-4800				PROJECT NUMBER 140532-V1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
Hydra Lynx Meter II	6-222814	5-30-14 0700	7, 10, 4 390cps	7.01, 10.00, 4.00 390cps	4pts	17°C	√C

ATTACHMENT B

LABORATORY ANALYTICAL REPORT

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

September 10, 2014

Project: 94800

Submittal Date: 05/31/2014
Group Number: 1478465
PO Number: 0015156384
Release Number: FISCHER

State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LL) #
MW-1-W-140530 NA Water	7483688
MW-2-W-140530 NA Water	7483689
MW-3-W-140530 NA Water	7483690
MW-4-W-140530 NA Water	7483691
MW-7-W-140530 NA Water	7483692
QA-T-140530 NA Water	7483693

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

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

Respectfully Submitted,

Nicole L. Maljovec
Principal Specialist Group Leader

(717) 556-7259

Sample Description: MW-1-W-140530 NA Water
Facility# 94800 BTST
1700 Castro St-Oakland T0600102076

LL Sample # WW 7483688
LL Group # 1478465
Account # 10991

Project Name: 94800

Collected: 05/30/2014 08:45 by JO

Submitted: 05/31/2014 10:00
Reported: 09/10/2014 13:50

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CSO01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10943	Benzene	71-43-2	N.D.	0.5	1	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10943	Toluene	108-88-3	N.D.	0.5	1	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
GC Volatiles	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	100	1
	The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	Z141551AA	06/04/2014 14:55	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z141551AA	06/04/2014 14:55	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	14156A20A	06/06/2014 21:45	Miranda P Tillinghast	1
01146	GC VOA Water Prep	SW-846 5030B	1	14156A20A	06/06/2014 21:45	Miranda P Tillinghast	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	141530033A	06/10/2014 16:41	Christine E Dolman	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	141530033A	06/03/2014 11:00	William H Saadeh	1

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

Sample Description: MW-2-W-140530 NA Water
Facility# 94800 BTST
1700 Castro St-Oakland T0600102076

LL Sample # WW 7483689
LL Group # 1478465
Account # 10991

Project Name: 94800

Collected: 05/30/2014 11:00 by JO

Submitted: 05/31/2014 10:00
Reported: 09/10/2014 13:50

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CSO02

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	**ug/l**	
10943	Benzene	71-43-2	N.D.		0.5	1	1
10943	Ethylbenzene	100-41-4	N.D.		0.5	1	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	0.7	J	0.5	1	1
10943	Toluene	108-88-3	N.D.		0.5	1	1
10943	Xylene (Total)	1330-20-7	N.D.		0.5	1	1
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
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.		50	110	1

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

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	Z141551AA	06/04/2014 16:07	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z141551AA	06/04/2014 16:07	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	14156A20A	06/06/2014 22:08	Miranda P Tillinghast	1
01146	GC VOA Water Prep	SW-846 5030B	1	14156A20A	06/06/2014 22:08	Miranda P Tillinghast	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	141530033A	06/10/2014 17:02	Christine E Dolman	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	141530033A	06/03/2014 11:00	William H Saadeh	1

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

Sample Description: MW-3-W-140530 NA Water
Facility# 94800 BTST
1700 Castro St-Oakland T0600102076

LL Sample # WW 7483690
LL Group # 1478465
Account # 10991

Project Name: 94800

Collected: 05/30/2014 09:30 by JO

Submitted: 05/31/2014 10:00
Reported: 09/10/2014 13:50

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CSO03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10943	Benzene	71-43-2	1	0.5	1	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	86	0.5	1	1
10943	Toluene	108-88-3	N.D.	0.5	1	1
10943	Xylene (Total)	1330-20-7	2	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.	190	50	100	1
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**	**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	100	1
	The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	Z141551AA	06/04/2014 16:31	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z141551AA	06/04/2014 16:31	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	14157B20A	06/10/2014 03:35	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14157B20A	06/10/2014 03:35	Marie D Beamenderfer	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	141530033A	06/10/2014 17:24	Christine E Dolman	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	141530033A	06/03/2014 11:00	William H Saadeh	1

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

Sample Description: MW-4-W-140530 NA Water
Facility# 94800 BTST
1700 Castro St-Oakland T0600102076

LL Sample # WW 7483691
LL Group # 1478465
Account # 10991

Project Name: 94800

Collected: 05/30/2014 10:30 by JO

Submitted: 05/31/2014 10:00
Reported: 09/10/2014 13:50

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CSO04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	ug/l	
10943	t-Amyl methyl ether	994-05-8	N.D.	0.5	1	1
10943	Benzene	71-43-2	N.D.	0.5	1	1
10943	t-Butyl alcohol	75-65-0	45	2	5	1
10943	Ethyl t-butyl ether	637-92-3	N.D.	0.5	1	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10943	di-Isopropyl ether	108-20-3	N.D.	0.5	1	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	7	0.5	1	1
10943	Toluene	108-88-3	N.D.	0.5	1	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
GC Volatiles	**SW-846 8015B**		ug/l	ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	100	1
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		ug/l	ug/l	ug/l	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.	50	100	1
	The reverse surrogate, capric acid, is present at <1%.					

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX + 5 Oxygenates 8260 Water	SW-846 8260B	1	D141571AA	06/06/2014 13:59	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	D141571AA	06/06/2014 13:59	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	14157B20A	06/10/2014 03:57	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14157B20A	06/10/2014 03:57	Marie D Beamenderfer	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	141530033A	06/10/2014 17:46	Christine E Dolman	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	141530033A	06/03/2014 11:00	William H Saadeh	1

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

Sample Description: MW-7-W-140530 NA Water
Facility# 94800 BTST
1700 Castro St-Oakland T0600102076

LL Sample # WW 7483692
LL Group # 1478465
Account # 10991

Project Name: 94800

Collected: 05/30/2014 10:00 by JO

Submitted: 05/31/2014 10:00
Reported: 09/10/2014 13:50

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CSO07

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	**ug/l**	
10943	t-Amyl methyl ether	994-05-8	22		0.5	1	1
10943	Benzene	71-43-2	N.D.		0.5	1	1
10943	t-Butyl alcohol	75-65-0	5	J	2	5	1
10943	Ethyl t-butyl ether	637-92-3	1		0.5	1	1
10943	Ethylbenzene	100-41-4	N.D.		0.5	1	1
10943	di-Isopropyl ether	108-20-3	N.D.		0.5	1	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	990		0.5	1	1
10943	Toluene	108-88-3	N.D.		0.5	1	1
10943	Xylene (Total)	1330-20-7	N.D.		0.5	1	1
GC Volatiles	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.		50	100	1
GC Petroleum Hydrocarbons w/Si	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
06610	TPH-DRO CA C10-C28 w/ Si Gel	n.a.	N.D.		50	110	1
	The reverse surrogate, capric acid, is present at <1%.						

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX + 5 Oxygenates 8260 Water	SW-846 8260B	1	F141622AA	06/11/2014 07:25	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F141622AA	06/11/2014 07:25	Anita M Dale	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	14157B20A	06/10/2014 04:19	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14157B20A	06/10/2014 04:19	Marie D Beamenderfer	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	141530033A	06/10/2014 18:07	Christine E Dolman	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	141530033A	06/03/2014 11:00	William H Saadeh	1

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

Sample Description: QA-T-140530 NA Water
Facility# 94800 BTST
1700 Castro St-Oakland T0600102076

LL Sample # WW 7483693
LL Group # 1478465
Account # 10991

Project Name: 94800

Collected: 05/30/2014 08:00

Submitted: 05/31/2014 10:00
Reported: 09/10/2014 13:50

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CSOQA

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

General Sample Comments

CA ELAP Lab Certification No. 2792; CA NELAP Lab Certification No. 10276CA

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	Z141551AA	06/04/2014 13:19	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z141551AA	06/04/2014 13:19	Daniel H Heller	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	14157B20A	06/09/2014 23:28	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	14157B20A	06/09/2014 23:28	Marie D Beamenderfer	1

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

Quality Control Summary

Client Name: Chevron Group Number: 1478465
Reported: 09/10/14 at 01:50 PM

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

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

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: D141571AA	Sample number(s): 7483691								
t-Amyl methyl ether	N.D.	0.5	1	ug/l	85		75-120		
Benzene	N.D.	0.5	1	ug/l	93		78-120		
t-Butyl alcohol	N.D.	2.	5	ug/l	92		75-120		
Ethyl t-butyl ether	N.D.	0.5	1	ug/l	88		74-120		
Ethylbenzene	N.D.	0.5	1	ug/l	93		79-120		
di-Isopropyl ether	N.D.	0.5	1	ug/l	97		65-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	85		75-120		
Toluene	N.D.	0.5	1	ug/l	96		80-120		
Xylene (Total)	N.D.	0.5	1	ug/l	94		80-120		
Batch number: F141622AA	Sample number(s): 7483692								
t-Amyl methyl ether	N.D.	0.5	1	ug/l	100		75-120		
Benzene	N.D.	0.5	1	ug/l	102		78-120		
t-Butyl alcohol	N.D.	2.	5	ug/l	95		75-120		
Ethyl t-butyl ether	N.D.	0.5	1	ug/l	97		74-120		
Ethylbenzene	N.D.	0.5	1	ug/l	96		79-120		
di-Isopropyl ether	N.D.	0.5	1	ug/l	98		65-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	100		75-120		
Toluene	N.D.	0.5	1	ug/l	102		80-120		
Xylene (Total)	N.D.	0.5	1	ug/l	98		80-120		
Batch number: Z141551AA	Sample number(s): 7483688-7483690,7483693								
Benzene	N.D.	0.5	1	ug/l	94		78-120		
Ethylbenzene	N.D.	0.5	1	ug/l	98		79-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	1	ug/l	99		75-120		
Toluene	N.D.	0.5	1	ug/l	99		80-120		
Xylene (Total)	N.D.	0.5	1	ug/l	102		80-120		
Batch number: 14156A20A	Sample number(s): 7483688-7483689								
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	115	118	80-139	3	30
Batch number: 14157B20A	Sample number(s): 7483690-7483693								
TPH-GRO N. CA water C6-C12	N.D.	50.	100	ug/l	116	118	80-139	2	30
Batch number: 141530033A	Sample number(s): 7483688-7483692								
TPH-DRO CA C10-C28 w/ Si Gel	N.D.	50.	100	ug/l	65	67	43-120	2	20

Sample Matrix Quality Control

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1478465
Reported: 09/10/14 at 01:50 PM
Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: D141571AA	Sample number(s): 7483691 UNSPK: P487391								
t-Amyl methyl ether	83	90	65-117	8	30				
Benzene	95	99	72-134	4	30				
t-Butyl alcohol	90	102	67-119	12	30				
Ethyl t-butyl ether	89	93	74-122	4	30				
Ethylbenzene	97	104	71-134	7	30				
di-Isopropyl ether	98	104	70-129	6	30				
Methyl Tertiary Butyl Ether	83	87	72-126	5	30				
Toluene	98	105	80-125	6	30				
Xylene (Total)	99	107	79-125	8	30				
Batch number: F141622AA	Sample number(s): 7483692 UNSPK: P490812								
t-Amyl methyl ether	99	97	65-117	2	30				
Benzene	100	102	72-134	3	30				
t-Butyl alcohol	93	93	67-119	0	30				
Ethyl t-butyl ether	94	95	74-122	1	30				
Ethylbenzene	97	97	71-134	0	30				
di-Isopropyl ether	94	96	70-129	2	30				
Methyl Tertiary Butyl Ether	96	96	72-126	1	30				
Toluene	103	102	80-125	1	30				
Xylene (Total)	101	99	79-125	2	30				
Batch number: Z141551AA	Sample number(s): 7483688-7483690,7483693 UNSPK: 7483688								
Benzene	100	101	72-134	1	30				
Ethylbenzene	107	105	71-134	2	30				
Methyl Tertiary Butyl Ether	102	101	72-126	1	30				
Toluene	107	106	80-125	1	30				
Xylene (Total)	110	109	79-125	1	30				

Surrogate Quality Control

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

Analysis Name: UST VOCs by 8260B - Water
Batch number: D141571AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7483691	94	102	103	100
Blank	94	102	101	98
LCS	94	107	102	101
MS	93	102	101	102
MSD	93	104	101	102
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water
Batch number: F141622AA

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

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Chevron Group Number: 1478465
Reported: 09/10/14 at 01:50 PM

Surrogate Quality Control

7483692	98	100	100	98
Blank	96	99	102	97
LCS	97	103	99	97
MS	99	104	102	97
MSD	97	100	99	97
Limits:	80-116	77-113	80-113	78-113

Analysis Name: UST VOCs by 8260B - Water
Batch number: Z141551AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7483688	104	101	100	95
7483689	104	101	100	96
7483690	101	102	102	97
7483693	102	100	100	96
Blank	102	100	101	98
LCS	100	100	101	100
MS	102	102	101	104
MSD	102	102	100	103
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 14156A20A

	Trifluorotoluene-F
7483688	74
7483689	78
Blank	81
LCS	83
LCSD	84
Limits:	63-135

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 14157B20A

	Trifluorotoluene-F
7483690	81
7483691	80
7483692	80
7483693	87
Blank	85
LCS	85
LCSD	86
Limits:	63-135

Analysis Name: TPH-DRO CA C10-C28 w/ Si Gel
Batch number: 141530033A

	Orthoterphenyl
7483688	84
7483689	75

*- 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: 1478465
Reported: 09/10/14 at 01:50 PM

Surrogate Quality Control

7483690	84
7483691	77
7483692	78
Blank	76
LCS	82
LCSD	80
Limits:	46-131

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Ø53Ø14-Ø2

CHAIN OF CUSTODY FORM

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

Chevron Site Number: 94800
Chevron Site Global ID: T0600102076
Chevron Site Address: 1700 Castro St.,
Oakland, CA
Chevron PM: Alexis Fischer
Chevron PM Phone No.: (925)790-6441
☒ Retail and Terminal Business Unit (RTBU) Job
☒ Construction/Retail Job

Chevron Consultant: CRA
Address: 2300 Clayton Rd., Suite 920, Concord,
CA Consultant Contact: Nathan Lee
Consultant Phone No. 925-849-1003
Consultant Project No. 140530 J01
Sampling Company: Blaine Tech Services
Sampled By (Print): Jamie
Sampler Signature:

Charge Code: NWRTB-0098247-0-OML
NWRTB 00SITE NUMBER-0- WBS
(WBS ELEMENTS:
SITE ASSESSMENT: **A1L** REMEDIATION IMPLEMENTATION: **R5L**
SITE MONITORING: **OML** OPERATION MAINTENANCE & MONITORING: **M1L**

*THIS IS A LEGAL DOCUMENT. **ALL** FIELDS MUST BE FILLED OUT CORRECTLY AND COMPLETELY.*

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

Other Lab

Temp. Blank Check
Time / Temp.
1000 / 1°C
1000 / 1°C

ANALYSES REQUIRED

SAMPLE ID: Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type	EPA 8260B/GC/MS TPH-G☐ BTEX☒ MTBE☒ OXYGENATES☐ HVOC☐	EPA 8015B GRO☒ DRO☒ ORO☐ HC SCREEN☐	EPA 8021B BTEX☐ MTBE☐	EPA 6010 Ca, Fe, K, Mg, Mn, Na	EPA6010/7000 TITLE 22 METALS☐ TTLC☐ STLC☐	EPA150.1 PH☐	EPA 310.1 ALKALINITY☐	SM2510B SPECIFIC CONDUCTIVITY	EPA 418.1 TRPH☐	EPA 413.1 OIL & GREASE☐	EPA 8260 ETHANOL	EPA 8015 TPH-D☐	H	Notes/Comments
MW-1	W		140530	0945	8	mixed	X	X												
MW-2				1100			X	X												
MW-3				0930			X	X												
MW-4				1030			X	X											X	
MW-7				1000			X	X											X	
QA	T			0900	2	VOAs	X	X												NO TPH-D

5 oxygenates (826)

acct # 10991
QP # 1478465
Sample # 748 3688-93

Special Instructions
Must meet lowest detection limits possible for 8260 Compounds, Silica Gel Clean Up required for DRO (10-gram method)

Preservation Codes
H =HCL T= Thiosulfate
N =HNO_3 B = NaOH
S = H_2SO_4 O = Other

Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
	BTS	5-30-14/1330	A. Maljovec	LLI	30MAY14 1336
A. Maljovec	LLI	30MAY14 1636	UPS		
				ELLE	5/31/14 1000

Turnaround Time:
Standard☒ 24 Hours☐ 48 hours☐ 72 Hours☐ Other☐

Sample Integrity: (Check by lab on arrival)
Intact: X On Ice: X Temp: 0.2 °C

COC #

Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, 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 per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

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

U.S. EPA CLP Data Qualifiers:

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

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

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

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

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