Mark Horne
Project Manager
Marketing Business Unit

Chevron Environmental Management Company
6101 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925)790-3964
MarkHorne@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 *Second Semi-Annual 2015 Groundwater Monitoring and Sampling Report*.

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

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

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

Sincerely,

Mark E. Horne

Mark Horne
Project Manager

Attachment: *Second Semi-Annual 2015 Groundwater Monitoring and Sampling Report*

February 18, 2016 Reference No. 060061

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

Re: Second Semi-Annual 2015 Groundwater Monitoring and Sampling Report
Chevron Service Station 94800
1700 Castro Street
Oakland, California
Fuel Leak Case No. RO0000342

Dear Mr. Detterman:

GHD Services Inc. (GHD) is submitting this *Second Semi-Annual 2015 Groundwater Monitoring and Sampling Report* for the site referenced above (Figure 1) on behalf of Chevron Environmental Management Company. Groundwater monitoring and sampling was performed by Blaine Tech Services (Blaine Tech) of San Jose, California and their *Fourth Quarter 2015 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' of Lancaster, Pennsylvania *Analytical Results* report is included as Attachment B.

GHD Services Inc.
5900 Hollis Street, Suite A Emeryville California 94608 USA
T 510 420 0700 **F** 510 420 9170 **W** www.ghd.com

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

Cordially,

GHD

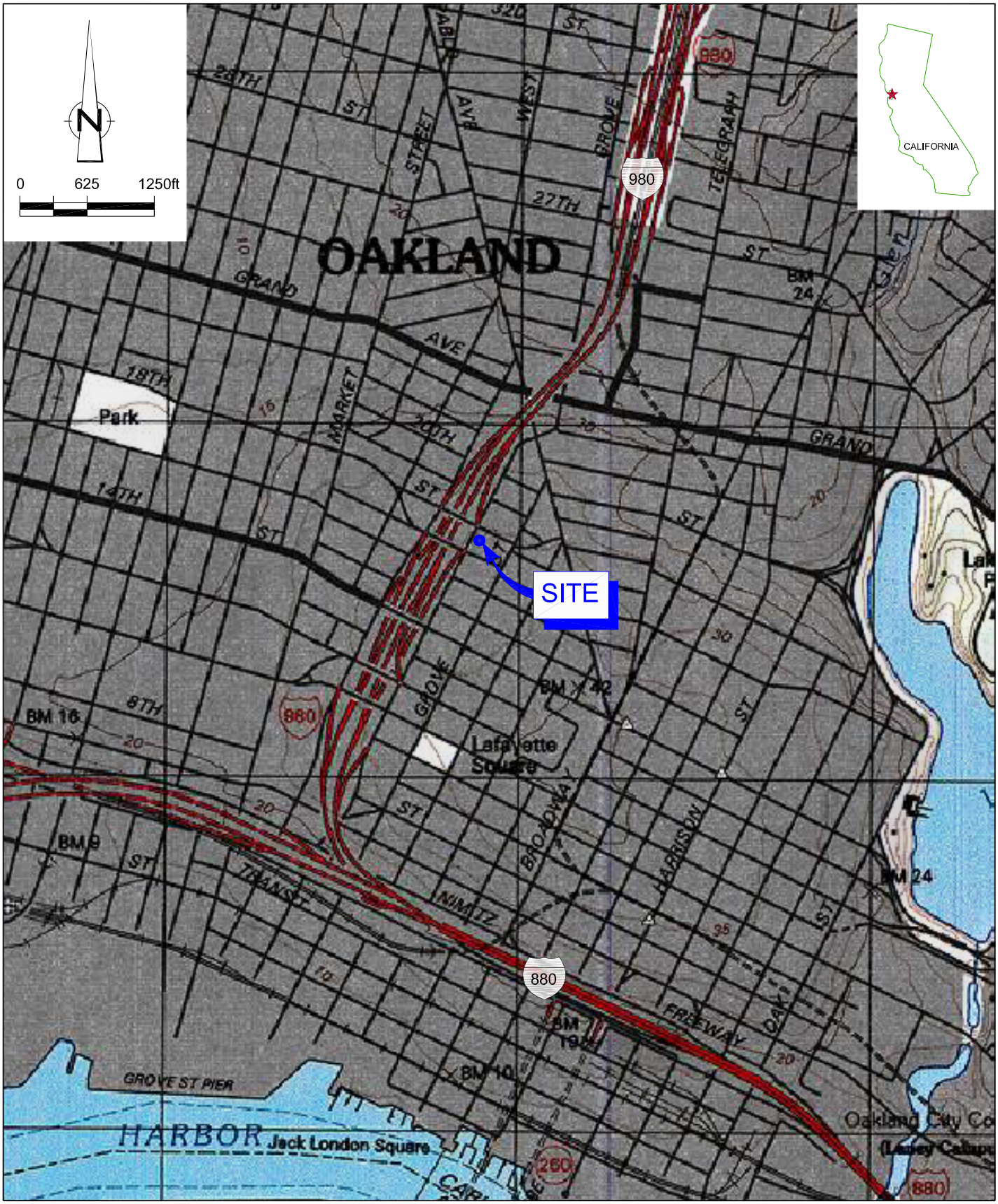
Greg Barclay, PG 6260

NL/mws/17
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: Mr. Mark Horne, Chevron *(electronic copy)*

Figures



SOURCE: TOPO MAPS

CHEVRON SERVICE STATION 94800
1700 CASTRO STREET
OAKLAND, CALIFORNIA

060061-95

Jan 19, 2016

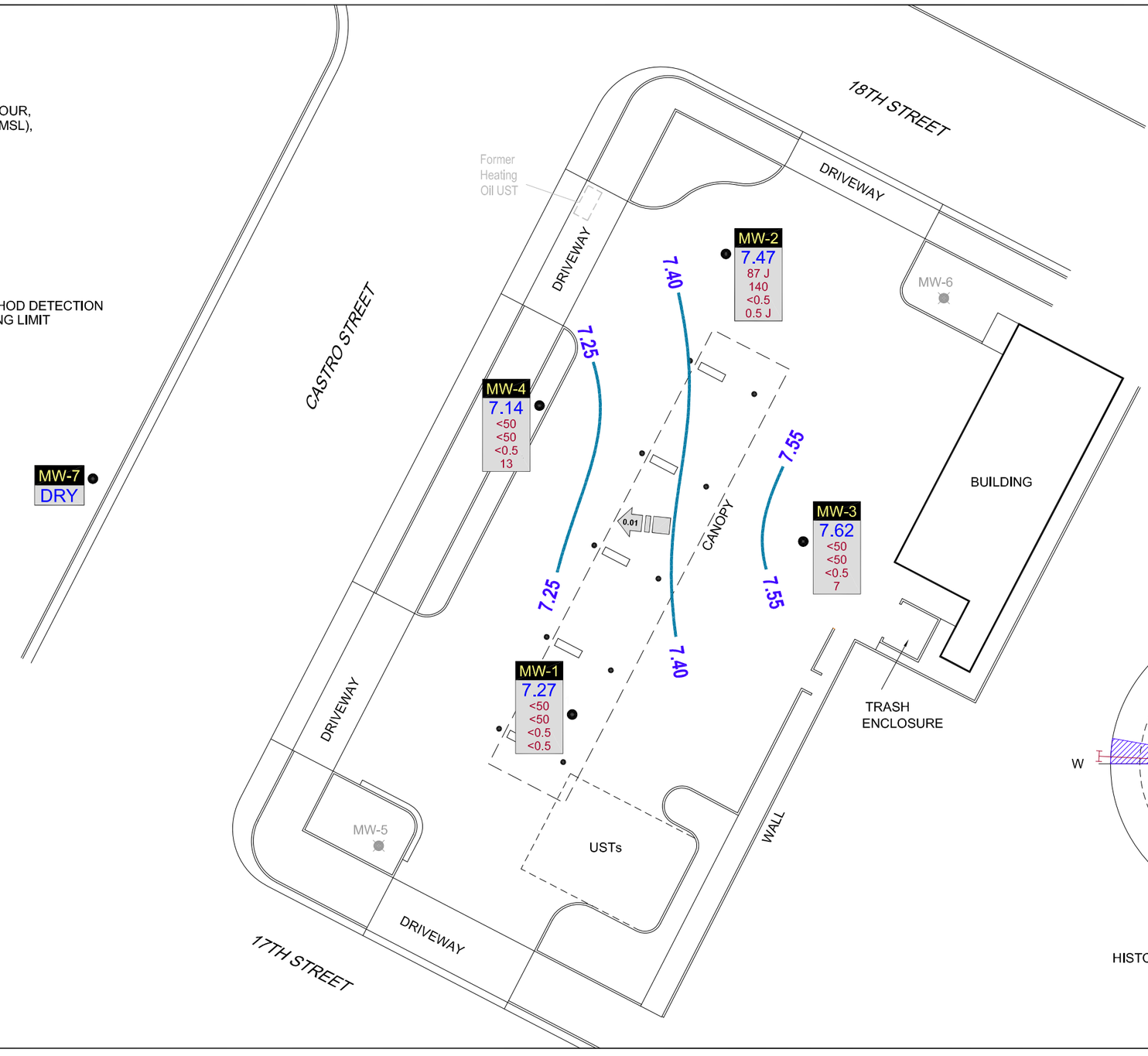
VICINITY MAP

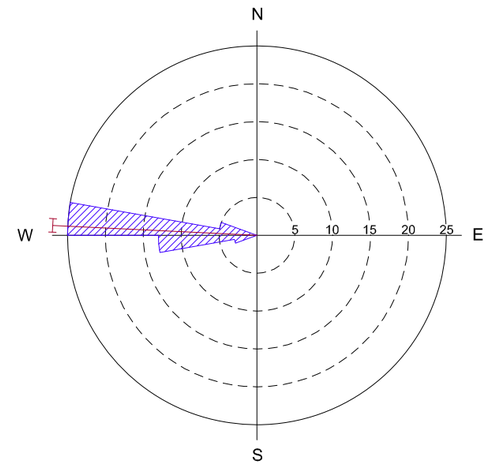
FIGURE 1

CAD File: I:\Chevron\0600--\060061 9-4800 Oakland\060061-FIGURES\060061-RPTs\060061 RPT-017\060061-95(017)GN-EM001.dwg

LEGEND

- MONITORING WELL LOCATION
- MW-5 DESTROYED WELL LOCATION
- 7.00 GROUNDWATER ELEVATION CONTOUR, IN FEET ABOVE MEAN SEA LEVEL (MSL), DASHED WHERE INFERRED
- x.xx GROUNDWATER FLOW DIRECTION AND GRADIENT
- WELL WELL DESIGNATION
  ELEV GROUNDWATER ELEVATION (MSL)
  TPHd TPHd CONCENTRATION (µg/L)
  TPHg TPHg CONCENTRATION (µg/L)
  BENZ BENZENE CONCENTRATION (µg/L)
  MTBE MTBE CONCENTRATION (µg/L)
- J ESTIMATED VALUE BETWEEN METHOD DETECTION LIMIT AND LABORATORY REPORTING LIMIT





HISTORIC GROUNDWATER FLOW DIRECTION
2000 THROUGH 4Q 2015

0 15 30ft

CHEVRON SERVICE STATION 94800
1700 CASTRO STREET
OAKLAND, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR AND HYDROCARBON CONCENTRATION MAP - DECEMBER 23, 2015

060061-95
Feb 8, 2016

FIGURE 2

CAD File: I:\Chevron\0600--\060061 9-4800 Oakland\060061-FIGURES\060061-RPTs\060061 RPT-017\060061-95(017)GN-EM002.dwg

Table

Table 1

Groundwater Monitoring and Sampling Data
Chevron Service Station 94800
1700 Castro Street
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Chevron Service Station 94800
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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-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	-	-	-	-
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	-	-	-	-

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1700 Castro Street
Oakland, California

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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	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-1	12/08/2014	34.01	26.44	7.57	-	130	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<50	-	-	-	-
MW-1	06/19/2015	34.01	26.52	7.49	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<50	-	-	-	-
MW-1	**12/23/2015**	**34.01**	**26.74**	**7.27**	**-**	**<50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**	**-**	**<0.5**	**<50**	**-**	**-**	**-**	**-**
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	500 / 4,10	-	-	-	-	-	-	-
MW-2	12/09/1998	30.00	24.69	5.31	1,900[1]	-	8,500	860	74	610	960	600 / 2,60	-	-	-	-	-	-	-
MW-2	03/11/1999	30.00	24.21	5.79	2,700[1]	-	12,500	1,520	42.2	645	2,250	050 / 3,40	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-

Table 1

Groundwater Monitoring and Sampling Data
Chevron Service Station 94800
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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-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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

Groundwater Monitoring and Sampling Data
Chevron Service Station 94800
1700 Castro Street
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	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	-	-	-	-
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-2	12/08/2014	32.59	24.92	7.67	-	<50	59 J	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	<50	-	-	-	-
MW-2	06/19/2015	32.59	24.91	7.68	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	-	0.9 J	<50	-	-	-	-
MW-2	**12/23/2015**	**32.59**	**25.12**	**7.47**	**-**	**87 J**	**140**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**	**-**	**0.5 J**	**<50**	**-**	**-**	**-**	**-**
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	-	-	-	-	-	-	-

Table 1

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Chevron Service Station 94800
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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-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	-	-	-	-	-	-	-
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	-	-	-	-

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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-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	-	-	-	-
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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					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-3	12/08/2014	34.16	26.40	7.76	-	<50	<50	<0.5	<0.5	<0.5	0.8 J	-	-	11	<50	-	-	-	-
MW-3	06/19/2015	34.16	26.26	7.90	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	-	9	<50	-	-	-	-
MW-3	**12/23/2015**	**34.16**	**26.54**	**7.62**	**-**	**<50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**	**-**	**7**	**<50**	**-**	**-**	**-**	**-**
MW-4	04/08/1999	30.13	-	-	-	-	130	3.1	<0.5	<0.5	7.7	,700 / 5,40	-	-	<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
MW-4	09/16/2003[14]	30.13	24.98	5.15	2,100[16]	-	480	6	<1	11	3	-	-	710	<100	-	-	-	-

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

Table 1

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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	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-4	12/08/2014	33.07	25.72	7.35	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	-	14	<50	-	-	-	-
MW-4	06/19/2015	33.07	25.80	7.27	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	-	10	<50	18	<0.5	<0.5	<0.5
MW-4	**12/23/2015**	**33.07**	**25.93**	**7.14**	**-**	**<50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**-**	**-**	**13**	**<50**	**-**	**-**	**-**	**-**
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	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1

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

Table 1

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

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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	11/08/2006[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	-	-	-	-
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
MW-7	12/08/2014	34.35	27.94	6.41	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	-	1,000	<50	-	-	-	-
MW-7	06/19/2015	34.35	28.07	6.28	-	<50	<50	<0.5	<0.5	<0.5	<0.5	-	-	910	<50	<2	<0.5	1	18
MW-7	**12/23/2015[22]**	**34.35**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Table 1

Groundwater Monitoring and Sampling Data
Chevron Service Station 94800
1700 Castro Street
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	12/21/2001	-	-	-	-	-	<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	-	-	-	-	-
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	-	-	-	-	-

Table 1

Groundwater Monitoring and Sampling Data
Chevron Service Station 94800
1700 Castro Street
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	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	-	-	-	-	-
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	-	-	-	-	-
QA	12/08/2014	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	06/19/2015	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-	-	<0.5	-	-	-	-	-
QA	**12/23/2015**	**-**	**-**	**-**	**-**	**-**	**<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	-	-	-	-	-	-	-

Table 1

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Chevron Service Station 94800
1700 Castro Street
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	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	-	-	-	-	-	-	-
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)

MTBE = Methyl tertiary butyl ether

TBA = Tert-butyl alcohol

Table 1

Groundwater Monitoring and Sampling Data
Chevron Service Station 94800
1700 Castro Street
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

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 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.

Table 1

Groundwater Monitoring and Sampling Data
Chevron Service Station 94800
1700 Castro Street
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

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.

22 Dry.

Attachment A
Monitoring Data Package

BLAINE™
TECH SERVICES

December 28, 2015

Chevron Environmental Management Company
Dave Patten
6101 Bollinger Canyon Rd.
San Ramon, CA 94583

Fourth Quarter 2015 Monitoring at
Chevron Service Station 94800
1700 Castro St.
Oakland, CA

Monitoring performed on December 23, 2015

Blaine Tech Services, Inc. Groundwater Monitoring Event 151223-BW2

This submission covers the routine monitoring of groundwater wells conducted on December 23, 2015 at this location. Five monitoring wells were measured for depth to groundwater (DTW). Four monitoring wells were sampled. All sampling activities were performed in accordance with local, state and federal guidelines.

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

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

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

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

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

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

SAMPLING PROCEDURES OVERVIEW

SAFETY

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

INSPECTION AND GAUGING

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

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

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

Purging & Sampling Collection

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

Temp	± 1° Celsius
pH	± 0.1
Conductivity	± 3%

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

PURGEWATER CONTAINMENT

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

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

TRIP BLANKS

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

DUPLICATES

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

SAMPLE STORAGE

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

DOCUMENTATION CONVENTIONS

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

DECONTAMINATION

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

The primary decontamination device is a commercial steam cleaner. The steam cleaner is de-tuned to function as a hot pressure washer that is then operated with high quality deionized water that is produced at our facility and stored onboard our sampling vehicle. Cleaning is facilitated by the use of proprietary fixtures and devices included in the patented workstation (U.S. Patent 5,535,775) that is incorporated in each sampling vehicle.
Any sensitive equipment or parts (i.e. Dissolved Oxygen sensor membrane, water level

indicator, etc.) that cannot be washed using the high pressure water, will be sprayed with a non-phosphate soap and deionized water solution and rinsed with deionized water.

FERROUS IRON MEASUREMENTS

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

WELL GAUGING DATA

Project # 151223-BW2 Date 12/23/15 Client Chevron

Site 1700 Castro St. Oakland

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or (TOC)	Notes
MW-1	1010	2					26.74	30.75		
MW-2	1029	2					25.12	30.28		
MW-3	1014	2					26.54	30.22		
MW-4	1025	2					25.93	28.89		
MW-7	1020	2					DRY	30.09		

CHEVRON WELL MONITORING DATA SHEET

Project #: 151223-BW2	Station #: 9-4800
Sampler: BW	Date: 12/23/15
Weather: Clear / windy	Ambient Air Temperature: 52°F
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 30.75	Depth to Water: 26.74
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 4.01 x 0.20) + DTW]: 27.54	

Purge Method:

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

Sampling Method: Bailer

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

0.6 (Gals.) X	3	=	1.8 Gals.
1 Case Volume	Specified Volumes		Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1036	64.1	7.56	732	>1000	0.6	
1038	66.0	7.61	714	>1000	1.2	
1040	66.3	7.66	704	>1000	1.8	DTW-28.14'

Did well dewater? Yes (No) Gallons actually evacuated: 1.8

Sampling Date: 12/23/15 Sampling Time: 1050 Depth to Water: 27.41

Sample I.D.: MW-1 Laboratory: (Lancaster) Other_____

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

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

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

CHEVRON WELL MONITORING DATA SHEET

Project #: 151223-BW2	Station #: 9-4800
Sampler: BW	Date: 12/23/15
Weather: Clear/windy	Ambient Air Temperature: 54°F
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 30.28	Depth to Water: 25.12
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 (5.16) x 0.20) + DTW]: 26.15	

Purge Method:

- Bailer
- X Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other____

Sampling Method: Bailer

- X 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
1200	65.7	7.12	648	412	0.8	ODOR
1203	67.4	7.01	624	438	1.6	↓
1206	67.9	6.92	616	391	2.4	

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

Sampling Date: 12/23/15 Sampling Time: 1210 Depth to Water: 25.91

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 #: 151223-BW2	Station #: 9-4800
Sampler: BW	Date: 12/23/15
Weather: Clear / Windy	Ambient Air Temperature: 52°F
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 30.22	Depth to Water: 26.54
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 (3.68) x 0.20) + DTW]: 27.28	

Purge Method:

- Bailer
- X Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other____

Sampling Method: Bailer

- X Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: ____

0.6 (Gals.) X 3 = 1.8 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or (µS))	Turbidity (NTUs)	Gals. Removed	Observations
1100	65.1	7.21	970	>1000	0.6	ODOR
1102	66.4	7.04	953	>1000	1.2	↓
1104	66.9	7.02	946	>1000	1.8	↓ DTW 27.45'

Did well dewater? Yes (No) Gallons actually evacuated: 1.8

Sampling Date: 12/23/15 Sampling Time: 1110 Depth to Water: 27.06

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 #: 151223-BW2	Station #: 9-4800
Sampler: BW	Date: 12/23/15
Weather: Clear / Windy	Ambient Air Temperature: 54°F
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 28.89	Depth to Water: 25.93
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column 2.96 x 0.20) + DTW]: 26.52	

Purge Method:

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

Sampling Method: Bailer

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

0.5 (Gals.) X 3 = 1.5 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
1124	65.4	7.42	826	>1000	0.5	
1127	66.0	6.98	814	>1000	1.0	
1129	66.1	6.92	807	>1000	1.5	

Did well dewater? Yes (No) Gallons actually evacuated: 1.5

Sampling Date: 12/23/15 Sampling Time: 1140 Depth to Water: 26.40

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 #: 151223-BW2	Station #: 9-4800
Sampler: BW	Date: 12/23/15
Weather: Clear / windy	Ambient Air Temperature: 52°F
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 30.09	Depth to Water: Dry
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

Purge Method:

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

Sampling Method: Bailer

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

_____(Gals.) X _____ = _____ Gals.
1 Case Volume | Specified Volumes | Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
* Well Dry - No Sample Collected						

Did well dewater? Yes No Gallons actually evacuated:

Sampling Date: Sampling Time: Depth to Water:

Sample I.D.: Laboratory: Lancaster Other_____

Analyzed for: TPH-G BTEX MTBE OXYS Other:

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

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

CHAIN OF CUSTODY FORM

Chevron Environmental Management 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: Dave Patten

Chevron PM Phone No.: (925) 790-3964

☒ Retail and Terminal Business Unit (RTBU) Job
☒ Construction/Retail Job

Chevron Consultant: GHD

Address: 2300 Clayton Rd., Site 920, Concord, CA

Consultant Contact: Nathan Lee

Consultant Phone No. 925-849-1003

Consultant Project No. 151223-BW2

Sampling Company: Blaine Tech Services

Sampled By (Print): Brian Wickes

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: Amek Carter

2425 New Holland Pike, Lancaster, PA 17601
Phone No: (717)656-2300

Other Lab

Temp. Blank Check

Time	Temp.
1000	1°C
1100	1°C
1200	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 ☐	TPH-G (8015B)	Notes/Comments
MW-1	WG		151222	1050	8	MIX	X	X									X			
MW-2	WG		↓	1210	8	MIX	X	X									X			
MW-3	WG			1110	8	MIX	X	X									X			
MW-4	WG			1140	8	MIX	X	X									X			
QA	~~TB~~ WG		151223	1000	2	VOA	X												X	

Preservation Codes

H =HCL T= Thiosulfate

N =HNO_3 B = NaOH

S = H_2SO_4 O = Other

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

Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
	BTS	12/23/15 1315		ELLE	13:15 12/23
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 12/23/15

Site Address 1700 Castro St. Oakland

Job Number 151223-BW2 Technician BW

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

NOTES: MW-1: 1/3 Tabs Stripped MW-2: 1/3 Tabs broken, 2/3 Stripped

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 — Mark Horne
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		
MW-2	3		
MW-3	2		
MW-4	2		

added equip. rinse water / 1

any other adjustments /

TOTAL GALS. RECOVERED 10

loaded onto BTS vehicle # 63

BTS event # 151223-BW2 time 1250 date 12/23/15

Transporter signature

****

REC'D AT BTS-SJ time date 12/23/15

Unloaded/received by signature

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME 1700 Castro St. Oakland				PROJECT NUMBER 151223-BW2			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
Myron-L Ultrameter II	6216467	12/23/15 @ 0630	pH 7, 10, 4 Cond 3900 µm/cm	7.0, 10.0, 4.0 3900 µm/cm	ok	19.6°C	B

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

January 08, 2016

Project: 94800

Submittal Date: 12/24/2015
Group Number: 1620261
PO Number: 0015166637
Release Number: HORNE
State of Sample Origin: CA

Client Sample Description	Lancaster Labs (LL) #
MW-1-W-151223 NA Groundwater	8190572
MW-2-W-151223 NA Groundwater	8190573
MW-3-W-151223 NA Groundwater	8190574
MW-4-W-151223 NA Groundwater	8190575
QA-T-151223 NA Water	8190576

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

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

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

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

Sample Description: MW-1-W-151223 NA Groundwater
Facility# 94800 BTST
1700 Castro St-Oakland T0600102076

LL Sample # WW 8190572
LL Group # 1620261
Account # 10991

Project Name: 94800

Collected: 12/23/2015 10:50 by BW

Submitted: 12/24/2015 10:25
Reported: 01/08/2016 10:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CSOM1

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1	1
10945	Ethanol	64-17-5	N.D.	50	250	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10945	Toluene	108-88-3	N.D.	0.5	1	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
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

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/MTBE/ETOH Water	SW-846 8260B	1	F160053AA	01/06/2016 01:01	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F160053AA	01/06/2016 01:01	Hu Yang	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15365D20A	01/01/2016 22:44	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	15365D20A	01/01/2016 22:44	Jeremy C Giffin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	153620004A	12/31/2015 12:24	Christine E Dolman	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	153620004A	12/29/2015 09:30	David S Schrum	1

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

Sample Description: MW-2-W-151223 NA Groundwater
Facility# 94800 BTST
1700 Castro St-Oakland T0600102076

LL Sample # WW 8190573
LL Group # 1620261
Account # 10991

Project Name: 94800

Collected: 12/23/2015 12:10 by BW

Submitted: 12/24/2015 10:25
Reported: 01/08/2016 10:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CSOM2

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**		**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.		0.5	1	1
10945	Ethanol	64-17-5	N.D.		50	250	1
10945	Ethylbenzene	100-41-4	N.D.		0.5	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	0.5	J	0.5	1	1
10945	Toluene	108-88-3	N.D.		0.5	1	1
10945	Xylene (Total)	1330-20-7	N.D.		0.5	1	1
GC Volatiles	**SW-846 8015B**		**ug/l**		**ug/l**	**ug/l**	
01728	TPH-GRO N. CA water C6-C12	n.a.	140		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.	87	J	50	100	1
	The reverse surrogate, capric acid, is present at <1%.						

General Sample Comments

CA ELAP Lab Certification No. 2792

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/MTBE/ETOH Water	SW-846 8260B	1	F160053AA	01/06/2016 01:23	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F160053AA	01/06/2016 01:23	Hu Yang	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15365D20A	01/01/2016 23:12	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	15365D20A	01/01/2016 23:12	Jeremy C Giffin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	153620004A	12/31/2015 12:46	Christine E Dolman	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	153620004A	12/29/2015 09:30	David S Schrum	1

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

Sample Description: MW-3-W-151223 NA Groundwater
Facility# 94800 BTST
1700 Castro St-Oakland T0600102076

LL Sample # WW 8190574
LL Group # 1620261
Account # 10991

Project Name: 94800

Collected: 12/23/2015 11:10 by BW

Submitted: 12/24/2015 10:25
Reported: 01/08/2016 10:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CSOM3

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1	1
10945	Ethanol	64-17-5	N.D.	50	250	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	7	0.5	1	1
10945	Toluene	108-88-3	N.D.	0.5	1	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
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

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/MTBE/ETOH Water	SW-846 8260B	1	F160053AA	01/06/2016 01:45	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F160053AA	01/06/2016 01:45	Hu Yang	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15365D20A	01/01/2016 23:39	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	15365D20A	01/01/2016 23:39	Jeremy C Giffin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	153620004A	12/31/2015 13:07	Christine E Dolman	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	153620004A	12/29/2015 09:30	David S Schrum	1

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

Sample Description: MW-4-W-151223 NA Groundwater
Facility# 94800 BTST
1700 Castro St-Oakland T0600102076

LL Sample # WW 8190575
LL Group # 1620261
Account # 10991

Project Name: 94800

Collected: 12/23/2015 11:40 by BW

Submitted: 12/24/2015 10:25
Reported: 01/08/2016 10:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CSOM4

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	**ug/l**	
10945	Benzene	71-43-2	N.D.	0.5	1	1
10945	Ethanol	64-17-5	N.D.	50	250	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	13	0.5	1	1
10945	Toluene	108-88-3	N.D.	0.5	1	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
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

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/MTBE/ETOH Water	SW-846 8260B	1	F160053AA	01/06/2016 02:07	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F160053AA	01/06/2016 02:07	Hu Yang	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15365D20A	01/02/2016 00:07	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	15365D20A	01/02/2016 00:07	Jeremy C Giffin	1
06610	TPH-DRO CA C10-C28 w/ Si Gel	SW-846 8015B	1	153620004A	12/31/2015 13:29	Christine E Dolman	1
11180	Low Vol Ext(W) w/SG	SW-846 3510C	1	153620004A	12/29/2015 09:30	David S Schrum	1

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

Sample Description: QA-T-151223 NA Water
Facility# 94800 BTST
1700 Castro St-Oakland T0600102076

LL Sample # WW 8190576
LL Group # 1620261
Account # 10991

Project Name: 94800

Collected: 12/23/2015 10:00

Submitted: 12/24/2015 10:25
Reported: 01/08/2016 10:27

Chevron
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

CSOQA

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	ug/l	
10945	Benzene	71-43-2	N.D.	0.5	1	1
10945	Ethylbenzene	100-41-4	N.D.	0.5	1	1
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
10945	Toluene	108-88-3	N.D.	0.5	1	1
10945	Xylene (Total)	1330-20-7	N.D.	0.5	1	1
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

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10945	BTEX/MTBE	SW-846 8260B	1	F160053AA	01/05/2016 19:55	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F160053AA	01/05/2016 19:55	Hu Yang	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	15365D20A	01/01/2016 19:02	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	15365D20A	01/01/2016 19:02	Jeremy C Giffin	1

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

Quality Control Summary

Client Name: Chevron
Reported: 01/08/2016 10:27

Group Number: 1620261

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

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

Method Blank

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
Batch number: F160053AA	Sample number(s): 8190572-8190576		
Benzene	N.D.	0.5	1
Ethanol	N.D.	50	250
Ethylbenzene	N.D.	0.5	1
Methyl Tertiary Butyl Ether	N.D.	0.5	1
Toluene	N.D.	0.5	1
Xylene (Total)	N.D.	0.5	1
Batch number: 15365D20A	Sample number(s): 8190572-8190576		
TPH-GRO N. CA water C6-C12	N.D.	50	100
Batch number: 153620004A	Sample number(s): 8190572-8190575		
TPH-DRO CA C10-C28 w/ Si Gel	N.D.	50	100

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l					
Batch number: F160053AA	Sample number(s): 8190572-8190576								
Benzene	20	17.75	20	17.4	89	87	78-120	2	30
Ethanol	500	492.56	500	480.33	99	96	49-144	3	30
Ethylbenzene	20	17.59	20	17.54	88	88	78-120	0	30
Methyl Tertiary Butyl Ether	20	16.75	20	17.23	84	86	75-120	3	30
Toluene	20	17.72	20	17.03	89	85	80-120	4	30
Xylene (Total)	60	53.08	60	52.16	88	87	80-120	2	30
	ug/l	ug/l	ug/l	ug/l					
Batch number: 15365D20A	Sample number(s): 8190572-8190576								
TPH-GRO N. CA water C6-C12	1100	926.72	1100	1005.61	84	91	71-138	8	30
	ug/l	ug/l	ug/l	ug/l					
Batch number: 153620004A	Sample number(s): 8190572-8190575								
TPH-DRO CA C10-C28 w/ Si Gel	1600	1064.27	1600	1104.68	67	69	40-105	4	20

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Chevron
Group Number: 1620261
Reported: 01/08/2016 10:27

Surrogate Quality Control

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

Analysis Name: BTEX/MTBE/ETOH Water
Batch number: F160053AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8190572	98	98	99	89
8190573	97	97	99	91
8190574	98	99	98	92
8190575	98	99	97	91
8190576	97	96	98	88
Blank	98	97	99	89
LCS	96	97	97	93
LCSD	98	100	96	93
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 15365D20A

	Trifluorotoluene-F
8190572	89
8190573	85
8190574	86
8190575	88
8190576	86
Blank	92
LCS	94
LCSD	98
Limits:	63-135

Analysis Name: TPH-DRO CA C10-C28 w/ Si Gel
Batch number: 153620004A

	Orthoterphenyl
8190572	82
8190573	80
8190574	81
8190575	82
Blank	77
LCS	91
LCSD	90
Limits:	42-126

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.
P###### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

123315-02

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: Dave Patten

Chevron PM Phone No.: (925) 790-3964

☒ Retail and Terminal Business Unit (RTBU) Job
☒ Construction/Retail Job

Chevron Consultant: GHD

Address: 2300 Clayton Rd., Site 920, Concord, CA

Consultant Contact: Nathan Lee

Consultant Phone No. 925-849-1003

Consultant Project No. 151223-BW2

Sampling Company: Blaine Tech Services

Sampled By (Print): Brian Weeks

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: Amek Carter

2425 New Holland Pike,
Lancaster, PA 17601
Phone No:
(717)656-2300

Other Lab

Temp. Blank Check

Time	Temp.
1000	1°C
1100	1°C
1200	1°C

ANALYSES REQUIRED

Preservation Codes

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

10991 ③ Kmc 12/24/15
12162026 1
8190572

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

SAMPLE ID							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 ☐	SM2510B SPECIFIC CONDUCTIVITY	EPA 418.1 TRPH ☐	EPA 8260 ETHANOL	EPA 8015 TPH-D ☐	TPH-G (8015B)	Notes/Comments
Field Point Name	Matrix	Top Depth	Date (yymmdd)	Sample Time	# of Containers	Container Type						EPA 310.1 ALKALINITY ☐	EPA 413.1 OIL & GREASE ☐					
MW-1	WG		151223	1050	8	MIX	X	X							X			
MW-2	WG			1210	8	MIX	X	X							X			
MW-3	WG			1110	8	MIX	X	X							X			
MW-4	WG			1140	8	MIX	X	X							X			
QA	~~DW~~ TB		151223	1000	2	VOA	X										X	

Relinquished By	Company	Date/Time	Relinquished To	Company	Date/Time
	BTS	~~12/23/15~~ 12/23/15 1315		ELLE	13:15 12/23
	ELLE	23DEC15 1630		FX	
				ELLE	12/24/15 10:25

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

Sample Integrity: (Check by lab on arrival)
Intact: ✓ On Ice: ✓ Temp: 1.6

COC #

eurofins | Lancaster Laboratories Environmental

Sample Administration Receipt Documentation Log

Doc Log ID: 132133

Group Number(s): 620261

Client: Chevron

Delivery and Receipt Information

Delivery Method:	BASC	Arrival Timestamp:	12/24/2015 10:25
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	CA		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace ≥ 6mm:	No
Samples Chilled:	Yes	Total Trip Blank Qty:	2
Paperwork Enclosed:	Yes	Trip Blank Type:	HCl
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Alice Stanley (9085) at 11:19 on 12/24/2015

Samples Chilled Details

Thermometer Types: *DT = Digital (Temp. Bottle)* *IR = Infrared (Surface Temp)* *All Temperatures in °C.*

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	1.6	DT	Wet	Y	Bagged	N

2425 New Holland Pike
Lancaster, PA 17605-2425
T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.cor

eurofins | Lancaster Laboratories Environmental

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
>	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.

Laboratory Data Qualifiers:

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

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

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

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

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

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

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