



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

RECEIVED

By Alameda County Environmental Health 11:52 am, May 20, 2016

Re: Chevron Service Station No. 91153
3135 Gibbons Drive (3126 Fernside Blvd)
Alameda, CA

I have reviewed the attached report titled *First Quarter 2016 Groundwater Monitoring and Sampling 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,

A handwritten signature in black ink that reads "Mark E Horne".

Mark Horne
Project Manager

Attachment: *First Quarter 2016 Groundwater Monitoring and Sampling Report*



May 20, 2016

Reference No. 311642

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

**Re: First Quarter 2016 Groundwater Monitoring and Sampling Report
Former Chevron Service Station 91153
3135 Gibbons Drive (3126 Fernside Boulevard)
Alameda, California
Agency Case RO0000341**

Dear Mr. Detterman:

GHD Services Inc. (GHD) is submitting this *First Quarter 2016 Groundwater Monitoring and Sampling Report* for the site referenced above (Figure 1) on behalf of Chevron Environmental Management Company (Chevron). Groundwater monitoring was performed by Blaine Tech Services (Blaine Tech) of San Jose, California and their *First Quarter 2016 Monitoring* report is included as Attachment A. Eurofins Lancaster Laboratories' of Lancaster, Pennsylvania *Analytical Results* report is included as Attachment B. Current and historical groundwater monitoring and sampling data are presented in Table 1. Sorbent sock field measurements are included as Attachment A.

1. Results of First Quarter 2016 Event

On March 29, 2016, Blaine Tech monitored and sampled the site wells per the established schedule.

Results of the current monitoring event indicate the following:

- Groundwater Flow Direction Southeast
- Hydraulic Gradient 0.01
- Approximate Depth to Water 1.5 to 3 feet below grade

Results of the current sampling event are presented in Table 1.1:

Table 1.1 Groundwater Analytical Data

Well ID	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)
WQOs	100	1	40	30	20	5
C-1	29,000	5,200	45J	320	220	<50
C-3	<100	<1	<1	<1	<1	<1
MW-4	<100	<1	<1	<1	<1	<1
MW-5	<100	<1	<1	<1	<1	<1
MW-6	<100	<1	<1	<1	<1	<1
MW-7	1,200	<1	<1	<1	0.7J	<1
MW-8	<100	<1	<1	<1	<1	<1
MW-9	<100	<1	<1	<1	<1	<1
MW-10	<100	<1	<1	<1	<1	<1
WQOs	Water Quality Objectives from California Regional Water Quality Control Board, <i>San Francisco Bay Region San Francisco Bay Basin (Region 2), Water Quality Control Plan (Basin Plan)</i> , January 18, 2007.					
J	Estimated value (the result > the method detection limit < the limit of quantitation)					
Bold	Concentration exceeds applicable ESL.					

2. Conclusions and Recommendations

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

- No Light Non-Aqueous Phase Liquid was detected in C-1 this quarter
- Dissolved hydrocarbons were only detected in wells C-1 and MW-7
- The dissolved hydrocarbons are delineated
- Dissolved hydrocarbon concentrations are within historical ranges, seasonal fluctuations, and are stable or decreasing

3. Anticipated Future Activities

Groundwater Monitoring

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

Please contact Kiersten Hoey at (510) 420-3347 if you have any questions or require additional information.

Regards,

GHD



Nathan Lee, PG 8684



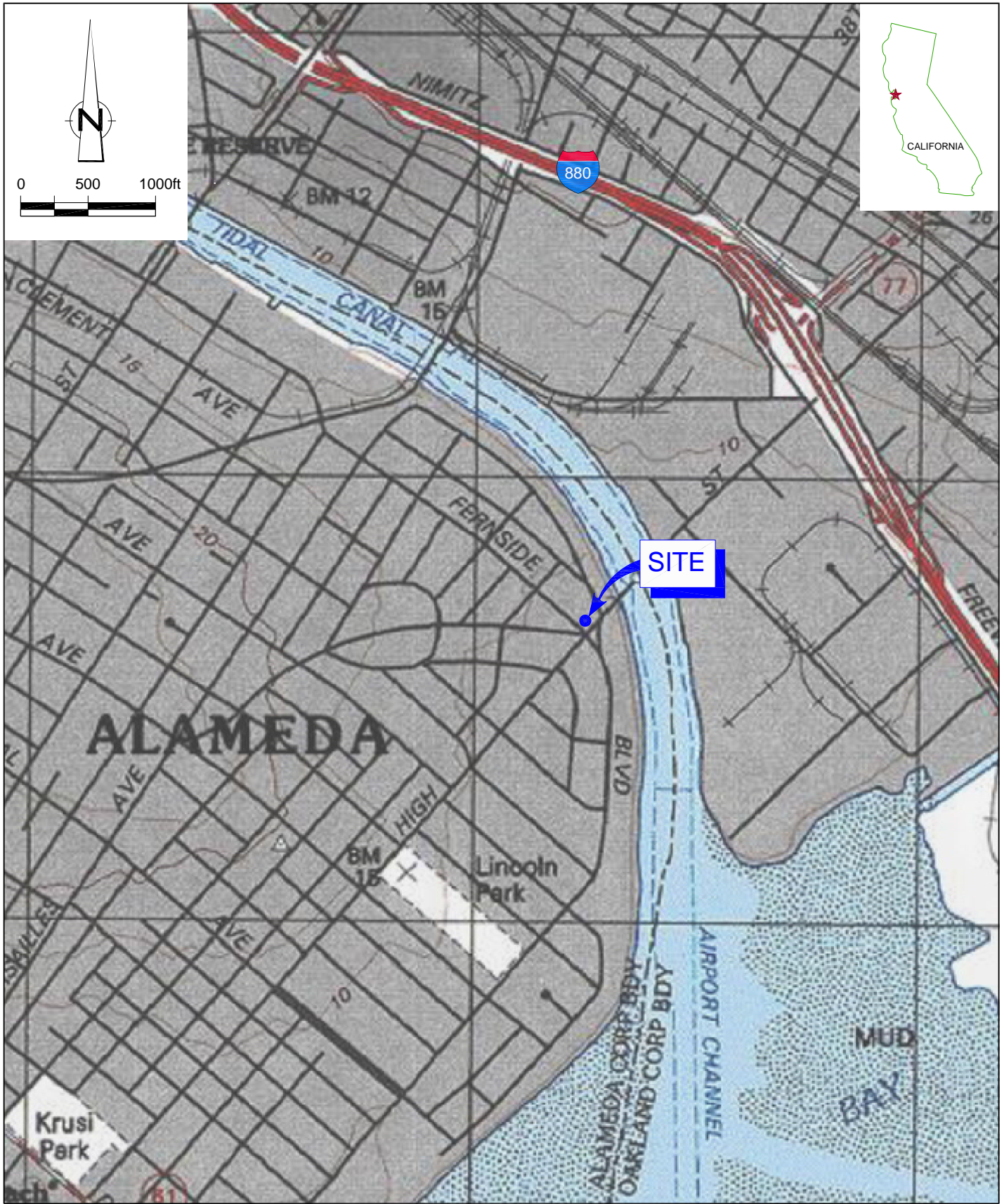
KH/cw/46

Encl.

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

cc: Mr. Mark Horne, Chevron (*electronic copy*)
Mr. Mark Hom, Property Owner

Figures



SOURCE: TOPO! MAPS

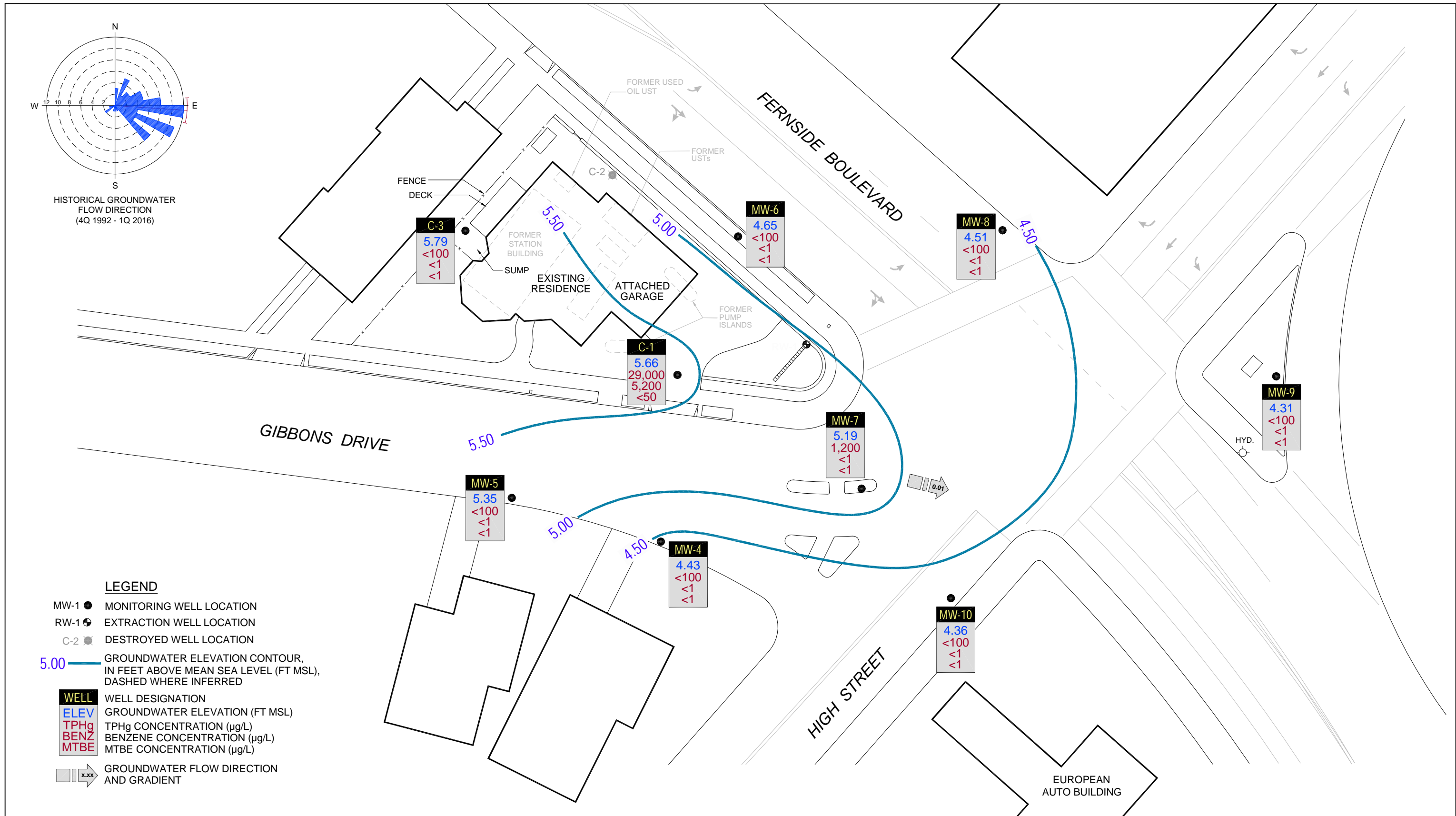


FORMER CHEVRON SERVICE STATION 91153
 3135 GIBBONS DRIVE (3126 FERNSIDE BOULEVARD)
 ALAMEDA, CALIFORNIA

311642-95
 May 2, 2016

VICINITY MAP

FIGURE 1



FORMER CHEVRON SERVICE STATION 91153
 3135 GIBBONS DRIVE (3126 FERNSIDE BOULEVARD)
 ALAMEDA, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR AND
 HYDROCARBON CONCENTRATION MAP - MARCH 29, 2016

311642-95
 May 18, 2016

FIGURE 2

Table

Table 1
Groundwater Monitoring and Sampling Data
Former Chevron Service Station 91153
3135 Gibbons Drive (3126 Fernside Boulevard)
Alameda, California

Location	Date	FIELD PARAMETERS				HYDROCARBONS	PRIMARY VOCS					
		TOC	DTW	GWE	LNAPLT	Dissolved Oxygen	TPH-GRO	B	T	E	X	MTBE by SW6260
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
C-1	08/18/1986	-	4.10	-	-	-	-	-	-	-	-	-
C-1	09/04/1986	-	-	-	-	-	15,000	760	820	1,500	-	-
C-1	07/22/1987	-	-	-	-	-	1,100	250	7.0	40	-	-
C-1	05/03/1989	-	4.46	-	-	-	6,900	3,800	190	229	-	-
C-1	12/04/1989	-	4.16	-	-	-	17,000	8,000	490	470	-	-
C-1	02/14/1990	-	3.64	-	-	-	19,000	12,000	990	1,050	-	-
C-1	03/07/1990	-	3.36	-	-	-	-	4,260	261	430	-	-
C-1	09/06/1991	-	4.43	-	-	-	21,000	10,000	100	240	560	-
C-1	12/15/1991	-	4.78	-	-	-	20,000	4,900	43	110	330	-
C-1	03/03/1992	-	2.39	-	-	-	13,000	5,800	730	340	1,200	-
C-1	06/04/1992	4.08	4.08	0.00	0.00	-	34,000	9,400	350	290	1,200	-
C-1	10/13/1992	4.08	4.75	-0.67	0.00	-	24,000	11,000	98	280	530	-
C-1	01/11/1993	4.08	2.26	1.82	Sheen	-	7,100	1,500	130	150	700	-
C-1	04/14/1993	4.08	2.90	1.18	Sheen	-	29,000	7,300	4,000	640	2,300	-
C-1	07/13/1993	4.08	3.97	0.11	Sheen	-	650,000	27,000	18,000	6,300	29,000	-
C-1	10/19/1993	4.08	4.50	-0.42	0.00	-	40,000	12,000	730	1,100	3,600	-
C-1	11/30/1993	7.50	4.27	3.23	0.00	-	-	-	-	-	-	-
C-1	01/27/1994	7.50	3.35	4.15	0.00	-	36,000	8,600	220	670	1,900	-
C-1	04/07/1994	7.50	3.42	4.08	0.00	-	53,000	12,000	3,500	480	3,300	-
C-1	07/01/1994	7.50	3.96	3.54	0.00	-	65,000	19,000	5,900	1,000	9,000	-
C-1	10/05/1994	7.50	4.39	3.11	0.00	-	160,000	23,000	12,000	2,200	11,000	-
C-1	01/12/1995	7.50	1.52	6.38	0.50	-	-	-	-	-	-	-
C-1	04/26/1995	7.50	4.40	4.86	2.20	-	-	-	-	-	-	-
C-1	07/12/1995	7.50	4.85	4.10	1.81	-	-	-	-	-	-	-

Table 1

**Groundwater Monitoring and Sampling Data
Former Chevron Service Station 91153
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Alameda, California**

Location	Date	TOC	DTW	GWE	LNAPL	FIELD PARAMETERS		HYDROCARBONS		PRIMARY VOCS			
						Dissolved Oxygen	TPH-GRO	B	T	E	X	MTBE by SW6260	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
C-1	10/30/1995	7.50	5.67	3.13	1.63	-	-	-	-	-	-	-	-
C-1	01/04/1996	7.50	3.92	3.68	0.12	-	-	-	-	-	-	-	-
C-1	01/10/1996	7.50	3.48	4.12	0.13	-	-	-	-	-	-	-	-
C-1	01/17/1996	7.50	3.40	4.12	0.02	-	-	-	-	-	-	-	-
C-1	01/22/1996	7.50	2.90	4.60	0.00	-	82,000	18,000	4,400	1,400	5,200	<1,000	-
C-1	02/23/1996	7.50	4.10	4.89	1.86	-	-	-	-	-	-	-	-
C-1	02/28/1996	7.50	-	-	0.83 >	-	-	-	-	-	-	-	-
C-1	03/08/1996	7.50	2.86	6.10	1.83	-	-	-	-	-	-	-	-
C-1	03/26/1996	7.50	3.96	4.56	1.28	-	-	-	-	-	-	-	-
C-1	04/11/1996	7.50	5.61	3.29	1.75	-	-	-	-	-	-	-	-
C-1	04/19/1996	7.50	3.09	4.44	0.04	-	-	-	-	-	-	-	-
C-1	04/24/1996	7.50	3.04	4.48	0.03	-	-	-	-	-	-	-	-
C-1	05/03/1996	7.50	4.02	3.85	0.46	-	-	-	-	-	-	-	-
C-1	05/08/1996	7.50	4.25	3.53	0.35	-	-	-	-	-	-	-	-
C-1	05/17/1996	7.50	3.24	4.29	0.04	-	-	-	-	-	-	-	-
C-1	05/22/1996	7.50	3.10	4.46	0.07	-	-	-	-	-	-	-	-
C-1	06/18/1996	7.50	4.68	3.20	0.48	-	-	-	-	-	-	-	-
C-1	07/03/1996	7.50	5.03	2.57	0.13	-	-	-	-	-	-	-	-
C-1	07/09/1996	7.50	4.63	3.05	0.23	-	-	-	-	-	-	-	-
C-1	07/17/1996	7.50	4.73	2.89	0.15	-	-	-	-	-	-	-	-
C-1	07/29/1996	7.50	5.10	2.47	0.09	-	-	-	-	-	-	-	-
C-1	08/02/1996	7.50	5.68	1.84	0.03	-	-	-	-	-	-	-	-
C-1	08/07/1996	7.50	5.16	2.35	0.01	-	-	-	-	-	-	-	-
C-1	08/23/1996	7.50	5.75	1.77	0.03	-	-	-	-	-	-	-	-

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Location	Date	TOC	DTW	GWE	LNAPL	FIELD PARAMETERS	HYDROCARBONS	PRIMARY VOCS				MTBE by SW6260
						Dissolved Oxygen	TPH-GRO	B	T	E	X	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
C-1	08/28/1996	7.50	5.53	1.99	0.03	-	-	-	-	-	-	-
C-1	09/06/1996	7.50	5.38	2.12	0.00	-	-	-	-	-	-	-
C-1	09/12/1996	7.50	5.48	2.04	0.03	-	-	-	-	-	-	-
C-1	09/19/1996	7.50	6.32	1.20	0.03	-	-	-	-	-	-	-
C-1	10/10/1996	7.50	4.58	3.00	0.10	-	-	-	-	-	-	-
C-1	10/17/1996	7.50	5.61	1.90	0.01	-	-	-	-	-	-	-
C-1	10/29/1996	7.50	6.01	1.49	0.00	-	-	-	-	-	-	-
C-1	11/07/1996	7.50	5.56	1.94	0.04	-	-	-	-	-	-	-
C-1	11/11/1996	7.50	5.32	2.18	0.04	-	-	-	-	-	-	-
C-1	12/17/1996	7.50	3.73	3.77	0.01	-	-	-	-	-	-	-
C-1	12/20/1996	7.50	3.33	4.17	0.03	-	-	-	-	-	-	-
C-1	01/15/1997	7.50	2.74	4.76	0.00	-	47,000	16,000	2,800	1,300	4,900	<1,000
C-1	01/22/1997	7.50	1.37	6.13	0.19	-	-	-	-	-	-	-
C-1	02/04/1997	7.50	2.98	4.52	0.51	-	-	-	-	-	-	-
C-1	02/20/1997	7.50	4.09	3.41	0.13	-	-	-	-	-	-	-
C-1	03/06/1997	7.50	3.75	3.75	0.56	-	-	-	-	-	-	-
C-1	03/14/1997	7.50	3.82	3.68	0.03	-	-	-	-	-	-	-
C-1	03/20/1997	7.50	3.73	3.77	0.03	-	-	-	-	-	-	-
C-1	03/25/1997	7.50	4.32	3.18	0.01	-	-	-	-	-	-	-
C-1	03/31/1997	7.50	3.71	3.79	0.03	-	-	-	-	-	-	-
C-1	04/03/1997	7.50	4.60	2.92	0.03	-	-	-	-	-	-	-
C-1	04/09/1997	7.50	4.25	3.27	0.02	-	-	-	-	-	-	-
C-1	04/24/1997	7.50	4.65	2.87	0.02	-	-	-	-	-	-	-
C-1	04/30/1997	7.50	3.50	4.02	0.02	-	-	-	-	-	-	-

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Location	Date	TOC	DTW	GWE	LNAPL	FIELD PARAMETERS		HYDROCARBONS		PRIMARY VOCS			
						Dissolved Oxygen	TPH-GRO	B	T	E	X	MTBE by SW6260	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
C-1	05/22/1997	7.50	4.97	2.53	0.00	-	-	-	-	-	-	-	
C-1	06/03/1997	7.50	3.62	3.93	0.06	-	-	-	-	-	-	-	
C-1	07/09/1997	7.50	4.30	3.25	0.06	-	-	-	-	-	-	-	
C-1	08/12/1997	7.50	5.18	2.32	0.00	-	-	-	-	-	-	-	
C-1	09/30/1997	7.50	5.25	2.65	0.50	-	-	-	-	-	-	-	
C-1	10/29/1997	7.50	5.33	2.19	0.03	-	-	-	-	-	-	-	
C-1	11/13/1997	7.50	4.86	2.66	0.02	-	-	-	-	-	-	-	
C-1	12/18/1997	7.50	2.34	5.16	0.00	-	-	-	-	-	-	-	
C-1	01/14/1998	7.50	0.25	7.27	0.02	-	-	-	-	-	-	-	
C-1	02/02/1998	7.50	2.35	5.19	0.05	-	-	-	-	-	-	-	
C-1	03/16/1998	7.50	2.50	5.40	0.50	-	-	-	-	-	-	-	
C-1	04/17/1998	7.50	2.65	5.17	0.40	-	-	-	-	-	-	-	
C-1	05/01/1998	7.50	2.39	5.14	0.04	-	-	-	-	-	-	-	
C-1	06/17/1998	7.50	3.26	4.30	0.08	-	-	-	-	-	-	-	
C-1	07/15/1998	7.50	3.55	3.95	0.00	-	110,000	22,000	22,000	1,000	10,000	<250	
C-1	09/01/1998	7.50	4.00	3.50	0.00	-	-	-	-	-	-	-	
C-1	10/27/1998	7.50	4.48	3.02	0.00	-	45,000	12,000	5,400	590	4,300	<500	
C-1	11/19/1998	7.50	3.89	3.61	0.00	-	-	-	-	-	-	-	
C-1	12/19/1998	7.50	2.13	5.39	0.02	-	-	-	-	-	-	-	
C-1	01/20/1999	7.50	3.98	3.52	0.00	-	50,300	7,050	5,030	244	6,090	<40	
C-1	02/24/1999	7.50	2.55	4.95	0.00	-	-	-	-	-	-	-	
C-1	03/26/1999	7.50	2.14	5.97	0.76	-	-	-	-	-	-	-	
C-1	04/19/1999	7.50	1.04	6.46	0.00	-	150,000	21,000	20,000	3,000	18,000	49 ² / _{<2.5}	
C-1	07/29/1999	7.50	3.76	3.76	0.02	-	-	-	-	-	-	-	

Table 1

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Location	Date	TOC	DTW	GWE	LNAPLT	FIELD PARAMETERS	HYDROCARBONS	PRIMARY VOCS				MTBE by SW6260
						Dissolved Oxygen	TPH-GRO	B	T	E	X	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
C-1	08/30/1999	7.50	4.30	3.20	0.00	-	-	-	-	-	-	-
C-1	09/23/1999	7.50	3.84	3.68	0.02	-	-	-	-	-	-	-
C-1	10/13/1999	7.50	1.27	6.23	0.00	-	136,000	23,900	30,000	2,390	17,300	<500
C-1	11/17/1999	7.50	3.59	3.91	0.00	-	-	-	-	-	-	-
C-1	12/08/1999	7.50	3.79	3.71	0.00	-	-	-	-	-	-	-
C-1	01/25/2000	7.50	1.99	5.54	0.04	-	-	-	-	-	-	-
C-1	04/03/2000**	7.50	2.20	5.38	0.10	-	-	-	-	-	-	-
C-1	05/26/2000**	7.50	2.52	5.16	0.23	-	-	-	-	-	-	-
C-1	06/19/2000**	7.50	2.89	4.76	0.19	-	-	-	-	-	-	-
C-1	07/03/2000**	7.50	3.45	4.25	0.25	-	-	-	-	-	-	-
C-1	08/01/2000**	7.50	3.78	3.85	0.16	-	-	-	-	-	-	-
C-1	09/30/2000**	7.50	4.03	3.50	0.04	-	-	-	-	-	-	-
C-1	10/23/2000**	7.50	4.15	3.37	0.03	-	-	-	-	-	-	-
C-1	11/21/2000	7.50	3.42	4.08	0.00	-	-	-	-	-	-	-
C-1	12/22/2000	7.50	2.96	4.54	0.00	-	-	-	-	-	-	-
C-1	01/08/2001	7.50	2.94	4.56	0.00	-	-	-	-	-	-	-
C-1	02/17/2001**	7.50	2.09	5.88	0.59	-	-	-	-	-	-	-
C-1	03/13/2001**	7.50	2.20	5.91	0.76	-	-	-	-	-	-	-
C-1	04/09/2001 ^{18,**}	7.50	2.45	5.26	0.26	-	-	-	-	-	-	-
C-1	05/18/2001**	7.50	2.70	5.27	0.59	-	-	-	-	-	-	-
C-1	06/12/2001**	7.50	3.50	4.78	0.97	-	-	-	-	-	-	-
C-1	07/19/2001**	7.50	4.25	4.01	0.95	-	-	-	-	-	-	-
C-1	08/23/2001 ^{18,**}	7.50	4.34	3.22	0.07	-	-	-	-	-	-	-
C-1	09/17/2001**	7.50	4.39	3.17	0.08	-	-	-	-	-	-	-

Table 1

**Groundwater Monitoring and Sampling Data
Former Chevron Service Station 91153
3135 Gibbons Drive (3126 Fernside Boulevard)
Alameda, California**

Location	Date	TOC	DTW	GWE	LNAPL	FIELD PARAMETERS		HYDROCARBONS		PRIMARY VOCS			
						Dissolved Oxygen	TPH-GRO	B	T	E	X	MTBE by SW6260	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
C-1	10/08/2001**	7.50	4.45	3.08	0.04	-	-	-	-	-	-	-	-
C-1	11/27/2001	7.50	3.89	3.61	0.00	-	330,000	9,800	5,300	3,800	22,000	<50	
C-1	12/17/2001	7.50	1.81	5.69	0.00	-	-	-	-	-	-	-	-
C-1	01/07/2002**	7.50	2.27	5.64	0.51	-	-	-	-	-	-	-	-
C-1	02/26/2002 ^{18,**}	7.50	2.70	5.22	0.52	-	-	-	-	-	-	-	-
C-1	03/27/2002**	7.50	2.87	5.47	1.05	-	-	-	-	-	-	-	-
C-1	04/08/2002**	7.50	2.45	6.03	1.23	-	-	-	-	-	-	-	-
C-1	05/23/2002 ^{18,**}	7.50	3.57	4.35	0.52	-	-	-	-	-	-	-	-
C-1	06/17/2002**	7.50	3.90	3.88	0.35	-	-	-	-	-	-	-	-
C-1	07/31/2002**	7.50	4.12	3.54	0.20	-	-	-	-	-	-	-	-
C-1	08/09/2002 ^{18,**}	7.50	4.15	3.48	0.16	-	-	-	-	-	-	-	-
C-1	09/17/2002**	7.50	4.33	3.27	0.12	-	-	-	-	-	-	-	-
C-1	10/15/2002**	7.50	4.51	3.11	0.15	-	-	-	-	-	-	-	-
C-1	11/08/2002	7.50	4.11	3.39	0.00	-	51,000	7,000	510	820	5,800	<3.0	
C-1	12/19/2002	7.50	1.14	6.36	0.00	-	-	-	-	-	-	-	-
C-1	01/14/2003	7.50	1.80	5.70	0.00	-	-	-	-	-	-	-	-
C-1	02/07/2003 ^{18,**}	7.50	2.95	4.79	0.30	-	-	-	-	-	-	-	-
C-1	03/20/2003**	7.50	2.86	4.97	0.41	-	-	-	-	-	-	-	-
C-1	04/15/2003**	7.50	2.12	5.46	0.10	-	-	-	-	-	-	-	-
C-1	05/09/2003 ^{18,**}	7.50	2.95	5.11	0.70	-	-	-	-	-	-	-	-
C-1	06/27/2003**	7.50	3.97	3.93	0.50	-	-	-	-	-	-	-	-
C-1	07/16/2003**	7.50	3.68	4.04	0.28	-	-	-	-	-	-	-	-
C-1	08/15/2003 ^{18,**}	7.50	4.29	3.39	0.22	-	-	-	-	-	-	-	-
C-1	09/26/2003**	7.50	4.60	3.05	0.19	-	-	-	-	-	-	-	-

Table 1

**Groundwater Monitoring and Sampling Data
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Location	Date	TOC	DTW	GWE	LNAPLT	FIELD PARAMETERS	HYDROCARBONS	PRIMARY VOCS				MTBE by SW6260
						Dissolved Oxygen	TPH-GRO	B	T	E	X	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
C-1	10/18/2003**	7.50	4.72	2.90	0.15	-	-	-	-	-	-	-
C-1	11/14/2003 ^{18,**}	7.50	4.31	3.35	0.20	-	-	-	-	-	-	-
C-1	12/23/2003	7.50	1.81	5.69	0.00	-	-	-	-	-	-	-
C-1	01/22/2004**	7.50	4.19	3.32	0.01	-	-	-	-	-	-	-
C-1	02/13/2004 ^{18,**}	7.50	3.04	4.49	0.04	-	-	-	-	-	-	-
C-1	03/11/2004**	7.50	1.85	5.97	0.40	-	-	-	-	-	-	-
C-1	04/22/2004**	7.50	3.08	4.60	0.22	-	-	-	-	-	-	-
C-1	05/14/2004 ^{18,**}	7.50	3.49	4.03	0.03	-	-	-	-	-	-	-
C-1	06/18/2004**	7.50	3.41	4.19	0.13	-	-	-	-	-	-	-
C-1	07/23/2004**	7.50	3.28	4.31	0.11	-	-	-	-	-	-	-
C-1	08/13/2004 ^{18,**}	7.50	3.14	4.40	0.05	-	-	-	-	-	-	-
C-1	09/13/2004**	7.50	4.53	3.04	0.09	-	-	-	-	-	-	-
C-1	10/22/2004**	7.50	3.19	4.33	0.03	-	-	-	-	-	-	-
C-1	11/12/2004 ^{18,**}	7.50	3.22	4.30	0.03	-	-	-	-	-	-	-
C-1	12/02/2004**	7.50	3.28	4.24	0.02	-	-	-	-	-	-	-
C-1	01/28/2005**	7.50	3.19	4.32	0.01	-	-	-	-	-	-	-
C-1	02/11/2005 ^{18,**}	7.50	2.75	4.78	0.04	-	-	-	-	-	-	-
C-1	03/11/2005**	7.50	2.94	4.58	0.03	-	-	-	-	-	-	-
C-1	04/26/2005**	7.50	3.03	4.49	0.02	-	-	-	-	-	-	-
C-1	05/13/2005 ^{18,**}	7.50	3.18	4.34	0.02	-	-	-	-	-	-	-
C-1	06/01/2005**	7.50	3.22	4.30	0.02	-	-	-	-	-	-	-
C-1	07/15/2005**	7.50	3.09	4.43	0.02	-	-	-	-	-	-	-
C-1	08/19/2005 ^{18,**}	7.50	2.88	4.64	0.03	-	-	-	-	-	-	-
C-1	09/23/2005**	7.50	2.95	4.57	0.02	-	-	-	-	-	-	-

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Location	Date	TOC	DTW	GWE	LNAPL	FIELD PARAMETERS		HYDROCARBONS		PRIMARY VOCS			
						Dissolved Oxygen	TPH-GRO	B	T	E	X	MTBE by SW8260	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
C-1	10/14/2005**	7.50	3.01	4.50	0.01	-	-	-	-	-	-	-	-
C-1	11/18/2005 ^{18,**}	7.50	3.21	4.31	0.02	-	-	-	-	-	-	-	-
C-1	12/09/2005**	7.50	3.61	3.90	0.01	-	-	-	-	-	-	-	-
C-1	01/12/2006**	7.50	2.98	4.53	0.01	-	-	-	-	-	-	-	-
C-1	02/10/2006 ^{15,**}	7.50	2.69	4.82	0.01	-	100,000	11,000	2,500	2,900	15,000	<10	
C-1	03/13/2006**	7.50	2.81	4.70	0.01	-	-	-	-	-	-	-	-
C-1	04/13/2006**	7.50	2.75	4.76	0.01	-	-	-	-	-	-	-	-
C-1	05/12/2006 ^{18,**}	7.50	3.02	4.49	0.01	-	-	-	-	-	-	-	-
C-1	06/12/2006**	7.50	3.10	4.41	0.01	-	-	-	-	-	-	-	-
C-1	07/13/2006**	7.50	3.14	4.38	0.02	-	-	-	-	-	-	-	-
C-1	08/11/2006 ^{15,**}	7.50	3.70	3.81	0.01	-	200,000	8,600	470	1,700	8,800	<10	
C-1	09/11/2006**	7.50	3.75	3.77	0.02	-	-	-	-	-	-	-	-
C-1	10/17/2006**	7.50	3.82	3.69	0.01	-	-	-	-	-	-	-	-
C-1	11/17/2006 ^{18,**}	7.50	3.11	4.41	0.03	-	-	-	-	-	-	-	-
C-1	12/15/2006**	7.50	2.95	4.57	0.02	-	-	-	-	-	-	-	-
C-1	01/16/2007**	7.50	2.98	4.54	0.02	-	-	-	-	-	-	-	-
C-1	02/16/2007 ¹⁵	7.50	2.77	4.73	0.00	-	25,000	4,300	260	310	3,300	<5	
C-1	03/16/2007**	7.50	3.07	4.44	0.01	-	-	-	-	-	-	-	-
C-1	04/17/2007**	7.50	2.98	4.53	0.01	-	-	-	-	-	-	-	-
C-1	05/17/2007 ^{15,**}	7.50	3.05	4.46	0.01	-	110,000 ¹⁶	12,000 ¹⁶	1,000 ¹⁶	2,000 ¹⁶	15,000 ¹⁶	<5	
C-1	06/15/2007**	7.50	3.08	4.43	0.01	-	-	-	-	-	-	-	-
C-1	07/17/2007**	7.50	3.13	4.38	0.01	-	-	-	-	-	-	-	-
C-1	08/09/2007 ^{18,**}	7.50	3.24	4.28	0.02	-	-	-	-	-	-	-	-
C-1	09/14/2007**	7.50	3.16	4.35	0.01	-	-	-	-	-	-	-	-

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Location	Date	TOC	DTW	GWE	LNAPLT	FIELD PARAMETERS		HYDROCARBONS		PRIMARY VOCS			
						Dissolved Oxygen	TPH-GRO	B	T	E	X	MTBE by SW6260	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
C-1	10/16/2007**	7.50	3.04	4.47	0.01	-	-	-	-	-	-	-	
C-1	11/08/2007 ^{15,**}	7.50	3.11	4.40	0.01	-	150,000	13,000	570	1,800	10,000	<13	
C-1	12/07/2007**	7.50	2.98	4.54	0.03	-	-	-	-	-	-	-	
C-1	01/16/2008**	7.50	2.95	4.57	0.02	-	-	-	-	-	-	-	
C-1	02/06/2008 ^{15,**}	7.50	2.61	4.90	0.01	-	110,000	13,000	500	5,300	21,000	<10	
C-1	03/07/2008**	7.50	2.87	4.65	0.02	-	-	-	-	-	-	-	
C-1	04/16/2008**	7.50	3.06	4.46	0.02	-	-	-	-	-	-	-	
C-1	05/07/2008 ^{18,**}	7.50	2.98	4.54	0.03	-	-	-	-	-	-	-	
C-1	06/06/2008**	7.50	3.02	4.50	0.02	-	-	-	-	-	-	-	
C-1	07/16/2008**	7.50	3.12	4.40	0.02	-	-	-	-	-	-	-	
C-1	09/05/2008**	7.50	3.97	3.75	0.28	-	-	-	-	-	-	-	
C-1	09/11/2008 ^{18,**}	7.50	4.22	3.61	0.41	-	-	-	-	-	-	-	
C-1	10/17/2008**	7.50	4.16	3.60	0.33	-	-	-	-	-	-	-	
C-1	11/10/2008 ^{18,**}	7.50	4.05	3.54	0.11	-	-	-	-	-	-	-	
C-1	12/15/2008**	7.50	3.85	3.69	0.05	-	-	-	-	-	-	-	
C-1	01/21/2009**	7.50	3.91	3.62	0.04	-	-	-	-	-	-	-	
C-1	02/09/2009 ^{15,**}	7.50	3.72	3.79	0.01	-	53,000	3,100	66	660	3,700	<1	
C-1	05/28/2009	7.50	3.48	4.02	0.02	-	-	-	-	-	-	-	
C-1	08/18/2009	7.50	4.40	3.10	0.02	-	-	-	-	-	-	-	
C-1	11/17/2009	7.50	4.21	3.29	0.03	-	-	-	-	-	-	-	
C-1	03/31/2010	7.50	2.07	5.46	0.04	-	-	-	-	-	-	-	
C-1	05/17/2010	7.50	2.87	4.83	0.25	-	-	-	-	-	-	-	
C-1	08/26/2010 ¹⁸	7.50	4.03	3.50	0.04	-	-	-	-	-	-	-	
C-1	11/11/2010 ^{18,**}	7.50	3.82	3.70	0.03	-	-	-	-	-	-	-	

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Former Chevron Service Station 91153
3135 Gibbons Drive (3126 Fernside Boulevard)
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Location	Date	TOC	DTW	GWE	LNAPL	FIELD PARAMETERS		HYDROCARBONS		PRIMARY VOCS			
						Dissolved Oxygen	TPH-GRO	B	T	E	X	MTBE by SW6260	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
C-1	03/02/2011 ^{18,**}	7.50	1.12	6.41	0.04	-	-	-	-	-	-	-	
C-1	06/17/2011 ^{18,**}	7.50	3.00	4.51	0.01	-	-	-	-	-	-	-	
C-1	09/08/2011 ^{18,**}	7.50	3.60	3.92	0.02	-	-	-	-	-	-	-	
C-1	12/29/2011 ^{18,**}	7.50	4.14	3.37	0.01	-	-	-	-	-	-	-	
C-1	03/28/2012 ^{18,**}	7.50	1.01	6.52	0.04	-	-	-	-	-	-	-	
C-1	05/31/2012 ^{18,**}	7.50	2.96	4.56	0.02	-	-	-	-	-	-	-	
C-1	09/28/2012	7.50	4.50	3.00	0.00	-	48,000	8,600	81	1,800	3,300	<5	
C-1	12/21/2012 ^{18,**}	7.50	2.20	5.32	0.02	-	-	-	-	-	-	-	
C-1	03/29/2013 ^{18,**}	7.50	3.20	4.33	0.04	-	-	-	-	-	-	-	
C-1	06/28/2013 ^{18,**}	7.50	3.90	3.61	0.01	-	-	-	-	-	-	-	
C-1	09/20/2013 ^{18,**}	7.50	4.73	2.79	0.02	-	-	-	-	-	-	-	
C-1	12/30/2013 ^{18,**}	7.50	4.41	3.10	0.01	-	-	-	-	-	-	-	
C-1	03/31/2014 ^{18,**}	7.50	2.55	4.97	0.02	-	-	-	-	-	-	-	
C-1	06/30/2014	7.50	3.82	3.68	0.00	-	25,000	6,700	72	710	310	<10	
C-1	09/30/2014 ^{18,**}	7.50	5.84	1.68	0.02	-	-	-	-	-	-	-	
C-1	12/30/2014	7.50	1.90	5.60	0.00	-	20,000	5,200	48	510	310	<5	
C-1	03/20/2015	7.50	2.29	5.22	0.01	-	21,000	6,700	130	850	480	<5	
C-1	06/18/2015	7.50	4.32	3.18	0.00	-	24,000	6,000	65	600	1,000	<0.5	
C-1	09/23/2015 ¹⁸	7.50	5.11	2.41	0.02	-	-	-	-	-	-	-	
C-1	12/22/2015 ^{18,23**}	7.50	3.79	3.73	0.02	-	-	-	-	-	-	-	
C-1	03/29/2016²³	7.50	1.84	5.66	0.00	-	29,000	5,200	45 J	320	220	<50	
C-3	08/18/1986	-	4.00	-	-	-	-	-	-	-	-	-	
C-3	09/04/1986	-	-	-	-	-	50	3.2	5.4	5.8	-	-	

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**Groundwater Monitoring and Sampling Data
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Location	Date	FIELD PARAMETERS					HYDROCARBONS	PRIMARY VOCS				
		TOC	DTW	GWE	LNAPLT	Dissolved Oxygen	TPH-GRO	B	T	E	X	MTBE by SW6260
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
C-3	07/22/1987	-	-	-	-	-	<50	<0.5	<1.0	<4.0	-	-
C-3	05/03/1989	-	4.15	-	-	-	<50	<0.5	<1.0	<2.0	-	-
C-3	12/04/1989	-	4.24	-	-	-	<250	<0.5	<0.5	<0.5	-	-
C-3	02/14/1990	-	3.57	-	-	-	<50	<0.5	<0.5	<0.5	-	-
C-3	03/07/1990	-	3.31	-	-	-	-	<5.0	<5.0	<5.0	-	-
C-3	09/06/1991	-	4.59	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-
C-3	12/15/1991	-	4.84	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-
C-3	03/03/1992	-	2.17	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-
C-3	06/04/1992	4.41	4.01	0.40	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	-
C-3	10/13/1992	4.41	4.79	-0.38	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	-
C-3	01/11/1993	4.41	2.01	2.40	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	-
C-3	04/14/1993	4.41	2.76	1.65	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	-
C-3	07/13/1993	4.41	3.96	0.45	0.00	-	<50	<0.5	<0.5	<0.5	<1.5	-
C-3	10/19/1993	4.41	4.53	-0.12	0.00	-	66	12	1.4	1.0	8.4	-
C-3	11/30/1993	7.83	4.04	3.79	0.00	-	-	-	-	-	-	-
C-3	01/27/1994	7.83	3.17	4.66	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	-
C-3	04/07/1994	7.83	3.20	4.63	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	-
C-3	07/01/1994	7.83	3.99	3.84	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	-
C-3	10/05/1994	7.83	4.54	3.29	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	-
C-3	01/12/1995	7.83	0.80	7.03	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	-
C-3	05/02/1995	7.83	2.15	5.68	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	-
C-3	07/12/1995	7.83	3.42	4.41	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	-
C-3	10/30/1995	7.83	4.46	3.37	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
C-3	01/22/1996	7.83	1.73	6.10	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5

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Location	Date	TOC	DTW	GWE	LNAPL	FIELD PARAMETERS	HYDROCARBONS	PRIMARY VOCS				MTBE by SW6260
						Dissolved Oxygen	TPH-GRO	B	T	E	X	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
C-3	04/24/1996	7.83	2.62	5.21	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
C-3	07/29/1996	7.83	3.94	3.89	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
C-3	10/10/1996	7.83	4.06	3.77	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
C-3	01/15/1997	7.83	1.54	6.29	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
C-3	04/03/1997	7.83	3.23	4.60	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
C-3	07/09/1997	7.83	4.36	3.47	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
C-3	10/29/1997	7.83	4.65	3.18	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
C-3	01/14/1998	7.83	0.77	7.06	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
C-3	07/15/1998	7.83	3.72	4.11	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
C-3	01/20/1999	7.83	2.65	5.18	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.0
C-3	04/19/1999	7.83	1.78	6.05	0.00	-	-	-	-	-	-	-
C-3	04/03/2000 ¹⁹	7.83	-	-	-	-	-	-	-	-	-	-
C-3	07/03/2000	7.83	-	-	-	-	-	-	-	-	-	-
C-3	10/23/2000	7.83	-	-	-	-	-	-	-	-	-	-
C-3	01/08/2001 ¹¹	7.83	3.71	4.12	0.00	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5
C-3	04/09/2001	7.83	-	-	-	-	-	-	-	-	-	-
C-3	08/23/2001 ¹⁹	7.83	-	-	-	-	-	-	-	-	-	-
C-3	11/27/2001 ¹⁹	7.83	-	-	-	-	-	-	-	-	-	-
C-3	02/26/2002	7.83	2.38	5.45	0.00	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5
C-3	05/23/2002 ¹⁹	7.83	-	-	-	-	-	-	-	-	-	-
C-3	08/09/2002 ¹⁹	7.83	-	-	-	-	-	-	-	-	-	-
C-3	11/08/2002 ¹⁹	7.83	-	-	-	-	-	-	-	-	-	-
C-3	02/07/2003	7.83	2.73	5.10	0.00	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5
C-3	05/09/2003 ¹⁹	7.83	-	-	-	-	-	-	-	-	-	-

Table 1

**Groundwater Monitoring and Sampling Data
Former Chevron Service Station 91153
3135 Gibbons Drive (3126 Fernside Boulevard)
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Location	Date	TOC	DTW	GWE	LNAPL	FIELD PARAMETERS	HYDROCARBONS	PRIMARY VOCS				MTBE by SW6260
						Dissolved Oxygen	TPH-GRO	B	T	E	X	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
C-3	08/15/2003 ¹⁹	7.83	-	-	-	-	-	-	-	-	-	-
C-3	11/14/2003 ¹⁹	7.83	-	-	-	-	-	-	-	-	-	-
C-3	02/13/2004 ¹⁵	7.83	2.81	5.02	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
C-3	05/14/2004 ¹⁹	7.83	-	-	-	-	-	-	-	-	-	-
C-3	11/12/2004 ¹⁹	7.83	-	-	-	-	-	-	-	-	-	-
C-3	02/11/2005 ¹⁵	7.83	2.58	5.25	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
C-3	05/13/2005 ¹⁹	7.83	-	-	-	-	-	-	-	-	-	-
C-3	08/19/2005 ¹⁹	7.83	-	-	-	-	-	-	-	-	-	-
C-3	11/18/2005 ¹⁹	7.83	-	-	-	-	-	-	-	-	-	-
C-3	02/10/2006 ¹⁵	7.83	2.52	5.31	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
C-3	05/12/2006 ¹⁹	7.83	-	-	-	-	-	-	-	-	-	-
C-3	08/11/2006 ¹⁹	7.83	-	-	-	-	-	-	-	-	-	-
C-3	11/17/2006 ¹⁹	7.83	-	-	-	-	-	-	-	-	-	-
C-3	02/16/2007 ¹⁵	7.83	2.63	5.20	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
C-3	05/17/2007 ¹⁹	7.83	-	-	-	-	-	-	-	-	-	-
C-3	08/09/2007 ¹⁹	7.83	-	-	-	-	-	-	-	-	-	-
C-3	11/08/2007 ¹⁹	7.83	-	-	-	-	-	-	-	-	-	-
C-3	02/06/2008 ¹⁵	7.83	2.91	4.92	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
C-3	05/07/2008 ¹⁹	7.83	-	-	-	-	-	-	-	-	-	-
C-3	09/11/2008 ¹⁹	7.83	-	-	-	-	-	-	-	-	-	-
C-3	11/10/2008 ¹⁹	7.83	-	-	-	-	-	-	-	-	-	-
C-3	02/09/2009 ¹⁵	7.83	2.95	4.88	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
C-3	03/31/2010	7.83	2.22	5.61	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
C-3	05/17/2010	7.83	3.07	4.76	0.00	-	-	-	-	-	-	-

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Location	Date	TOC	DTW	GWE	LNAPL	FIELD PARAMETERS	HYDROCARBONS	PRIMARY VOCS				MTBE by SW6260
						Dissolved Oxygen	TPH-GRO	B	T	E	X	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
C-3	08/26/2010 ¹⁹	7.83	4.29	3.54	0.00	-	-	-	-	-	-	-
C-3	11/11/2010 ¹⁹	7.83	4.48	3.35	0.00	-	-	-	-	-	-	-
C-3	03/02/2011 ¹⁹	7.83	1.45	6.38	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
C-3	06/17/2011 ¹⁹	7.83	3.24	4.59	0.00	-	-	-	-	-	-	-
C-3	09/08/2011 ¹⁹	7.83	4.02	3.81	0.00	-	-	-	-	-	-	-
C-3	12/29/2011 ¹⁹	7.83	4.42	3.41	0.00	-	-	-	-	-	-	-
C-3	03/28/2012	7.83	0.94	6.89	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
C-3	05/31/2012 ¹⁹	7.83	3.40	4.43	0.00	-	-	-	-	-	-	-
C-3	09/28/2012 ¹⁹	7.83	4.72	3.11	0.00	-	-	-	-	-	-	-
C-3	12/21/2012 ¹⁹	7.83	2.41	5.42	0.00	-	-	-	-	-	-	-
C-3	03/29/2013	7.83	3.45	4.38	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
C-3	06/28/2013	7.83	4.29	3.54	0.00	-	-	-	-	-	-	-
C-3	09/20/2013	7.83	4.81	3.02	0.00	-	-	-	-	-	-	-
C-3	12/30/2013	7.83	4.79	3.04	0.00	-	-	-	-	-	-	-
C-3	03/31/2014	7.83	2.79	5.04	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
C-3	06/30/2014	7.83	4.23	3.60	0.00	-	-	-	-	-	-	-
C-3	09/30/2014	7.83	5.00	2.83	0.00	-	-	-	-	-	-	-
C-3	12/30/2014	7.83	2.13	5.70	0.00	-	-	-	-	-	-	-
C-3	03/20/2015	7.83	3.36	4.47	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
C-3	06/18/2015	7.83	4.38	3.45	0.00	-	-	-	-	-	-	-
C-3	09/23/2015	7.83	5.39	2.44	0.00	-	-	-	-	-	-	-
C-3	12/22/2015 ²⁵	7.83	3.93	3.90	0.00	-	-	-	-	-	-	-
C-3	03/29/2016	7.83	2.04	5.79	0.00	-	<100	<1	<1	<1	<1	<1

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Location	Date	FIELD PARAMETERS					HYDROCARBONS	PRIMARY VOCS				MTBE by SW6260
		TOC	DTW	GWE	LNAPLT	Dissolved Oxygen	TPH-GRO	B	T	E	X	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-4	06/04/1992	3.58	3.63	-0.05	0.00	-	<50	0.8	<0.5	<0.5	<0.5	-
MW-4	10/13/1992	3.58	-	-	-	-	-	-	-	-	-	-
MW-4	01/11/1993	3.58	1.89	1.69	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	-
MW-4	04/14/1993	3.58	2.20	1.38	0.00	-	<50	<0.5	<0.5	<0.5	<1.5	-
MW-4	07/13/1993	3.58	3.51	0.07	0.00	-	54	2.6	1.6	<0.5	<1.5	-
MW-4	10/19/1993	3.58	4.22	-0.64	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	-
MW-4	11/30/1993	7.01	4.01	3.00	0.00	-	-	-	-	-	-	-
MW-4	01/27/1994	7.01	2.89	4.12	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	-
MW-4	04/07/1994	7.01	3.06	3.95	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	-
MW-4	07/01/1994	7.01	3.59	3.42	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	-
MW-4	10/05/1994	7.01	4.33	2.68	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	-
MW-4	01/12/1995	7.01	1.20	5.81	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	-
MW-4	04/26/1995	7.01	1.15	5.86	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	-
MW-4	07/12/1995	7.01	2.72	4.29	0.00	-	<50	6.4	<0.5	0.63	0.72	-
MW-4	10/30/1995	7.01	4.08	2.93	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-4	01/22/1996	7.01	1.76	5.25	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-4	04/24/1996	7.01	1.95	5.06	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-4	07/29/1996	7.01	3.37	3.64	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-4	10/10/1996	7.01	3.96	3.05	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-4	01/15/1997	7.01	1.27	5.74	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-4	04/03/1997	7.01	2.11	4.90	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-4	07/09/1997	7.01	4.04	2.97	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-4	10/29/1997	7.01	4.56	2.45	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-4	01/14/1998	7.01	0.39	6.62	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5

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Location	Date	FIELD PARAMETERS					HYDROCARBONS	PRIMARY VOCS				
		TOC	DTW	GWE	LNAPLT	Dissolved Oxygen	TPH-GRO	B	T	E	X	MTBE by SW6260
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-4	01/20/1999	7.01	2.83	4.18	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.0
MW-4	04/19/1999	7.01	2.91	4.10	0.00	-	-	-	-	-	-	-
MW-4	01/25/2000	7.01	1.92	5.09	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-4	04/03/2000 ¹⁹	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	07/03/2000	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	10/23/2000	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	01/08/2001 ¹¹	7.01	3.02	3.99	0.00	-	87 ¹²	<0.50	<0.50	0.55	2.9	<2.5
MW-4	04/09/2001	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	08/23/2001 ¹⁹	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	11/27/2001 ¹⁹	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	02/26/2002	7.01	1.37	5.64	0.00	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5
MW-4	05/23/2002 ¹⁹	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	08/09/2002 ¹⁹	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	11/08/2002 ¹⁹	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	02/07/2003	7.01	1.72	5.29	0.00	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5
MW-4	05/09/2003 ¹⁹	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	08/15/2003 ¹⁹	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	11/14/2003 ¹⁹	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	02/13/2004 ¹⁵	7.01	1.82	5.19	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-4	05/14/2004 ¹⁹	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	11/12/2004 ¹⁹	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	02/11/2005 ¹⁵	7.01	1.46	5.55	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-4	05/13/2005 ¹⁹	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	08/19/2005 ¹⁹	7.01	-	-	-	-	-	-	-	-	-	-

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Location	Date	TOC	DTW	GWE	LNAPLT	FIELD PARAMETERS	HYDROCARBONS	PRIMARY VOCS				MTBE by SW6260
						Dissolved Oxygen	TPH-GRO	B	T	E	X	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-4	11/18/2005 ¹⁹	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	02/10/2006 ¹⁵	7.01	1.35	5.66	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-4	05/12/2006 ¹⁹	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	08/11/2006 ¹⁹	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	11/17/2006 ¹⁹	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	02/16/2007 ¹⁵	7.01	1.48	5.53	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-4	05/17/2007 ¹⁹	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	08/09/2007 ¹⁹	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	11/08/2007 ¹⁹	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	02/06/2008 ¹⁵	7.01	1.27	5.74	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-4	05/07/2008 ¹⁹	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	09/11/2008 ¹⁹	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	11/10/2008 ¹⁹	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	02/09/2009 ¹⁵	7.01	2.33	4.68	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-4	03/31/2010	7.01	2.13	4.88	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-4	05/17/2010	7.01	2.05	4.96	0.00	-	-	-	-	-	-	-
MW-4	08/26/2010 ¹⁹	7.01	3.70	3.31	0.00	-	-	-	-	-	-	-
MW-4	11/11/2010 ¹⁹	7.01	3.98	3.03	0.00	-	-	-	-	-	-	-
MW-4	03/02/2011 ¹⁹	7.01	0.75	6.26	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-4	06/17/2011 ¹⁹	7.01	2.36	4.65	0.00	-	-	-	-	-	-	-
MW-4	09/08/2011 ¹⁹	7.01	3.36	3.65	0.00	-	-	-	-	-	-	-
MW-4	12/29/2011 ¹⁹	7.01	3.65	3.36	0.00	-	-	-	-	-	-	-
MW-4	03/28/2012	7.01	1.20	5.81	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-4	05/31/2012 ¹⁹	7.01	1.62	5.39	0.00	-	-	-	-	-	-	-

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Location	Date	TOC	DTW	GWE	LNAPLT	FIELD PARAMETERS		HYDROCARBONS		PRIMARY VOCS			
						Dissolved Oxygen	TPH-GRO	B	T	E	X	MTBE by SW6260	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-4	09/28/2012 ¹⁹	7.01	3.70	3.31	0.00	-	-	-	-	-	-	-	-
MW-4	12/21/2012 ¹⁹	7.01	1.31	5.70	0.00	-	-	-	-	-	-	-	-
MW-4	03/29/2013	7.01	2.35	4.66	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-4	06/28/2013	7.01	3.46	3.55	0.00	-	-	-	-	-	-	-	-
MW-4	09/20/2013	7.01	4.29	2.72	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-4	12/30/2013	7.01	4.00	3.01	0.00	-	-	-	-	-	-	-	-
MW-4	03/31/2014	7.01	3.11	3.90	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-4	06/30/2014	7.01	3.67	3.34	0.00	-	-	-	-	-	-	-	-
MW-4	09/30/2014	7.01	4.41	2.60	0.00	-	-	-	-	-	-	-	-
MW-4	12/30/2014	7.01	2.44	4.57	0.00	-	-	-	-	-	-	-	-
MW-4	03/20/2015	7.01	2.14	4.87	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-4	06/18/2015	7.01	3.63	3.38	0.00	-	-	-	-	-	-	-	-
MW-4	09/23/2015	7.01	4.75	2.26	0.00	-	-	-	-	-	-	-	-
MW-4	12/22/2015 ²⁵	7.01	2.71	4.30	0.00	-	-	-	-	-	-	-	-
MW-4	03/29/2016	7.01	2.58	4.43	0.00	-	<100	<1	<1	<1	<1	<1	<1
MW-5	06/04/1992	3.61	3.25	0.36	0.00	-	560	110	0.5	37	2.2	-	-
MW-5	10/13/1992	3.61	4.20	-0.59	0.00	-	1,200	150	<2.5	84	8.6	-	-
MW-5	01/11/1993	3.61	1.30	2.31	0.00	-	1,300	48	1.0	83	33	-	-
MW-5	04/14/1993	3.61	1.20	2.41	0.00	-	2,600	240	6.1	250	170	-	-
MW-5	07/13/1993	3.61	3.15	0.46	0.00	-	1,700	260	7.8	160	100	-	-
MW-5	10/19/1993	3.61	3.82	-0.21	0.00	-	1,900	190	3.3	200	93	-	-
MW-5	11/30/1993	7.04	3.56	3.48	0.00	-	-	-	-	-	-	-	-
MW-5	01/27/1994	7.04	2.42	4.62	0.00	-	4,000	100	12	210	110	-	-

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Alameda, California**

Location	Date	TOC	DTW	GWE	LNAPLT	FIELD PARAMETERS	HYDROCARBONS	PRIMARY VOCS				MTBE by SW6260
						Dissolved Oxygen	TPH-GRO	B	T	E	X	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-5	04/07/1994	7.04	2.33	4.71	0.00	-	2,600	170	10	150	88	-
MW-5	07/01/1994	7.04	3.18	3.86	0.00	-	2,300	350	9.1	110	76	-
MW-5	10/05/1994	7.04	3.98	3.06	0.00	-	11,000	840	150	130	340	-
MW-5	01/12/1995	7.04	0.40	6.64	0.00	-	2,300	82	<2.5	54	20	-
MW-5	04/26/1995	7.04	0.50	6.54	0.00	-	1,600	52	<5.0	36	61	-
MW-5	07/12/1995	7.04	2.41	4.63	0.00	-	2,800	150	<5.0	34	38	-
MW-5	10/30/1995	7.04	3.78	3.26	0.00	-	1,100	81	<5.0	<5.0	<5.0	35
MW-5	01/22/1996	7.04	0.78	6.26	0.00	-	880	7.3	<2.0	15	4.8	<10
MW-5	04/24/1996	7.04	1.65	5.39	0.00	-	1,600	51	3.8	14	5.6	56
MW-5	07/29/1996 ²¹	7.04	-	-	-	-	-	-	-	-	-	-
MW-5	10/10/1996	7.04	3.60	3.44	0.00	-	1,000	18	<1.2	1.5	<1.2	<6.2
MW-5	01/15/1997	7.04	0.45	6.59	0.00	-	520	0.84	<0.5	3.1	1.2	8.4
MW-5	04/03/1997	7.04	2.11	4.93	0.00	-	1,400	13	<2.0	4.3	8.4	32
MW-5	07/09/1997	7.04	3.71	3.33	0.00	-	810	3.6	0.97	<0.5	<0.5	9.7
MW-5	10/29/1997	7.04	4.20	2.84	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-5	01/14/1998	7.04	0.00	7.04	0.00	-	430	5.8	2.4	<0.5	1.6	17
MW-5	04/17/1998 ²⁰	7.04	0.71	6.33	0.00	-	-	-	-	-	-	-
MW-5	07/15/1998	7.04	0.00	7.04	0.00	-	990	11	3.9	0.56	2.2	61
MW-5	10/27/1998	7.04	4.23	2.81	0.00	-	-	-	-	-	-	-
MW-5	01/20/1999	7.04	2.58	4.46	0.00	-	168	<0.5	<0.5	<0.5	0.692	<2.0
MW-5	04/19/1999	7.04	2.07	4.97	0.00	-	-	-	-	-	-	-
MW-5	07/29/1999	7.04	3.43	3.61	0.00	-	246	1.54	<0.5	<0.5	<0.5	<2.0 ² / ² <5.0
MW-5	10/13/1999 ²¹	7.04	-	-	-	-	-	-	-	-	-	-
MW-5	01/25/2000	7.04	1.51	5.53	0.00	-	169	1.94	<0.5	<0.5	<0.5	201

Table 1

**Groundwater Monitoring and Sampling Data
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Location	Date	TOC	DTW	GWE	LNAPLT	FIELD PARAMETERS		HYDROCARBONS		PRIMARY VOCS			
						Dissolved Oxygen	TPH-GRO	B	T	E	X	MTBE by SW6260	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-5	04/03/2000	7.04	1.20	5.84	0.00	-	-	-	-	-	-	-	-
MW-5	07/03/2000	7.04	2.98	4.06	0.00	-	320 ^{6,10}	5.3	1.1	<0.50	<0.50	<0.50	5.0
MW-5	10/23/2000	7.04	4.18	2.86	0.00	-	-	-	-	-	-	-	-
MW-5	01/08/2001 ¹¹	7.04	2.92	4.12	0.00	-	220 ⁶	3.9	<0.50	<0.50	<0.50	<0.50	7.7
MW-5	04/09/2001	7.04	1.01	6.03	0.00	-	-	-	-	-	-	-	-
MW-5	08/23/2001	7.04	3.48	3.56	0.00	-	630	40	3.5	<2.5	<2.5	<2.5	43
MW-5	11/27/2001 ²⁰	7.04	3.05	3.99	0.00	-	-	-	-	-	-	-	-
MW-5	02/26/2002	7.04	1.00	6.04	0.00	-	410	4.3	<0.50	<0.50	<1.5	<2.5	<2.5
MW-5	05/23/2002 ²⁰	7.04	2.21	4.83	0.00	-	-	-	-	-	-	-	-
MW-5	08/09/2002	7.04	3.38	3.66	0.00	-	240	1.3	<0.50	<0.50	<1.5	<2.5	<2.5
MW-5	11/08/2002 ²⁰	7.04	4.56	2.48	0.00	-	-	-	-	-	-	-	-
MW-5	02/07/2003	7.04	1.42	5.62	0.00	-	380	3.2	<0.50	0.64	<1.5	<2.5	<2.5
MW-5	05/09/2003 ²⁰	7.04	1.25	5.79	0.00	-	-	-	-	-	-	-	-
MW-5	08/15/2003 ¹⁵	7.04	3.61	3.43	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	11/14/2003 ²⁰	7.04	3.57	3.47	0.00	-	-	-	-	-	-	-	-
MW-5	02/13/2004 ¹⁵	7.04	1.50	5.54	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	05/14/2004 ²⁰	7.04	2.47	4.57	0.00	-	-	-	-	-	-	-	-
MW-5	08/13/2004 ¹⁵	7.04	5.46	1.58	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	11/12/2004 ²⁰	7.04	4.65	2.39	0.00	-	-	-	-	-	-	-	-
MW-5	02/11/2005 ¹⁵	7.04	1.20	5.84	0.00	-	130	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	05/13/2005 ²⁰	7.04	4.36	2.68	0.00	-	-	-	-	-	-	-	-
MW-5	08/19/2005 ¹⁵	7.04	2.78	4.26	0.00	-	96	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	11/18/2005 ²⁰	7.04	4.51	2.53	0.00	-	-	-	-	-	-	-	-
MW-5	02/10/2006 ¹⁵	7.04	1.12	5.92	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table 1

**Groundwater Monitoring and Sampling Data
Former Chevron Service Station 91153
3135 Gibbons Drive (3126 Fernside Boulevard)
Alameda, California**

Location	Date	TOC	DTW	GWE	LNAPLT	FIELD PARAMETERS	HYDROCARBONS	PRIMARY VOCS				MTBE by SW6260
						Dissolved Oxygen	TPH-GRO	B	T	E	X	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-5	05/12/2006 ²⁰	7.04	2.23	4.81	0.00	-	-	-	-	-	-	-
MW-5	08/11/2006 ¹⁵	7.04	3.40	3.64	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	11/17/2006 ²⁰	7.04	4.16	2.88	0.00	-	-	-	-	-	-	-
MW-5	02/16/2007 ¹⁵	7.04	1.22	5.82	0.00	-	<50	<0.5	<0.7	<0.8	<0.8	<0.5
MW-5	05/17/2007 ²⁰	7.04	4.06	2.98	0.00	-	-	-	-	-	-	-
MW-5	08/09/2007 ¹⁵	7.04	3.61	3.43	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	11/08/2007 ²⁰	7.04	3.70	3.34	0.00	-	-	-	-	-	-	-
MW-5	02/06/2008 ¹⁵	7.04	1.06	5.98	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	05/07/2008 ²⁰	7.04	3.57	3.47	0.00	-	-	-	-	-	-	-
MW-5	09/11/2008 ¹⁵	7.04	4.58	2.46	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	11/10/2008 ²⁰	7.04	4.26	2.78	0.00	-	-	-	-	-	-	-
MW-5	02/09/2009 ¹⁵	7.04	2.15	4.89	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	05/28/2009	7.04	2.76	4.28	0.00	-	-	-	-	-	-	-
MW-5	08/18/2009 ¹⁵	7.04	3.81	3.23	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	11/17/2009	7.04	4.02	3.02	0.00	-	-	-	-	-	-	-
MW-5	03/31/2010	7.04	1.86	5.18	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	05/17/2010	7.04	1.57	5.47	0.00	-	-	-	-	-	-	-
MW-5	08/26/2010	7.04	3.25	3.79	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	11/11/2010 ²⁰	7.04	3.52	3.52	0.00	-	-	-	-	-	-	-
MW-5	03/02/2011 ²⁰	7.04	1.55	5.49	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	06/17/2011 ²⁰	7.04	1.84	5.20	0.00	-	-	-	-	-	-	-
MW-5	09/08/2011 ²⁰	7.04	2.50	4.54	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	12/29/2011 ²⁰	7.04	3.40	3.64	0.00	-	-	-	-	-	-	-
MW-5	03/28/2012	7.04	1.72	5.32	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5

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Location	Date	FIELD PARAMETERS					HYDROCARBONS	PRIMARY VOCS				
		TOC	DTW	GWE	LNAPL	Dissolved Oxygen	TPH-GRO	B	T	E	X	MTBE by SW6260
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-5	05/31/2012 ²⁰	7.04	0.20	6.84	0.00	-	-	-	-	-	-	-
MW-5	09/28/2012	7.04	3.90	3.14	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	12/21/2012 ²⁰	7.04	1.59	5.45	0.00	-	-	-	-	-	-	-
MW-5	03/29/2013	7.04	2.00	5.04	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	06/28/2013	7.04	3.35	3.69	0.00	-	-	-	-	-	-	-
MW-5	09/20/2013	7.04	4.04	3.00	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	12/30/2013	7.04	3.80	3.24	0.00	-	-	-	-	-	-	-
MW-5	03/31/2014	7.04	1.90	5.14	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	06/30/2014	7.04	3.41	3.63	0.00	-	-	-	-	-	-	-
MW-5	09/30/2014	7.04	4.34	2.70	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	12/30/2014	7.04	2.15	4.89	0.00	-	-	-	-	-	-	-
MW-5	03/20/2015	7.04	1.78	5.26	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	06/18/2015	7.04	3.48	3.56	0.00	-	-	-	-	-	-	-
MW-5	09/23/2015	7.04	4.68	2.36	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	12/22/2015 ²⁵	7.04	1.97	5.07	0.00	-	-	-	-	-	-	-
MW-5	03/29/2016	7.04	1.69	5.35	0.00	-	<100	<1	<1	<1	<1	<1
MW-6	06/04/1992	3.85	3.89	-0.04	0.00	-	210	54	<0.5	1.9	2.4	-
MW-6	10/13/1992	3.85	4.56	-0.71	0.00	-	10,000	5,300	<10	70	<10	-
MW-6	01/11/1993	3.85	2.36	1.49	0.00	-	100	50	<0.5	<0.5	<0.5	-
MW-6	04/14/1993	3.85	3.15	0.70	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	-
MW-6	07/13/1993	3.85	3.94	-0.09	0.00	-	<50	1.8	<0.5	<0.5	<1.5	-
MW-6	10/19/1993	3.85	4.40	-0.55	0.00	-	320	150	<0.5	0.8	<0.5	-
MW-6	11/30/1993	7.27	4.16	3.11	0.00	-	-	-	-	-	-	-

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Location	Date	TOC	DTW	GWE	LNAPLT	FIELD PARAMETERS		HYDROCARBONS		PRIMARY VOCS			
						Dissolved Oxygen	TPH-GRO	B	T	E	X	MTBE by SW6260	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-6	01/27/1994	7.27	3.33	3.94	0.00	-	120	45	<0.5	<0.5	<0.5	-	
MW-6	04/07/1994	7.27	3.43	3.84	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	-	
MW-6	07/01/1994	7.27	3.94	3.33	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	-	
MW-6	10/05/1994	7.27	4.38	2.89	0.00	-	8,300	2,400	160	42	190	-	
MW-6	01/12/1995 ¹	7.27	2.43	4.84	0.00	-	<50	12	<0.5	<0.5	<0.5	-	
MW-6	04/26/1995	7.27	2.06	5.21	0.00	-	<50	5.5	0.67	<0.5	1.3	-	
MW-6	07/12/1995	7.27	3.53	3.74	0.00	-	65	27	<0.5	<0.5	<0.5	-	
MW-6	10/30/1995	7.27	4.34	2.93	0.00	-	<50	3.9	<0.5	<0.5	<0.5	<2.5	
MW-6	01/22/1996	7.27	2.61	4.66	0.00	-	<50	0.93	<0.5	<0.5	<0.5	<2.5	
MW-6	04/24/1996	7.27	2.50	4.77	0.00	-	260	110	<1.2	<1.2	<1.2	<6.2	
MW-6	07/29/1996	7.27	3.85	3.42	0.00	-	<50	23	<0.5	<0.5	<0.5	<2.5	
MW-6	10/10/1996	7.27	4.37	2.90	0.00	-	79	31	<0.5	<0.5	<0.5	<2.5	
MW-6	01/15/1997	7.27	2.63	4.64	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
MW-6	04/03/1997	7.27	3.42	3.85	0.00	-	670	360	<5.0	<5.0	<5.0	<25	
MW-6	07/09/1997	7.27	4.29	2.98	0.00	-	330	140	<2.0	<2.0	<2.0	<10	
MW-6	10/29/1997	7.27	4.56	2.71	0.00	-	400	260	<2.0	<2.0	<2.0	5.8	
MW-6	01/14/1998	7.27	1.01	6.26	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
MW-6	04/17/1998	7.27	2.94	4.33	0.00	-	<50	1.7	<0.5	<0.5	<0.5	<2.5	
MW-6	07/15/1998	7.27	4.72	2.55	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
MW-6	10/27/1998 ²¹	7.27	-	-	-	-	-	-	-	-	-	-	
MW-6	11/25/1998	7.27	4.16	3.11	0.00	-	110 ³	54	<0.5	<0.5	<0.5	<2.5	
MW-6	01/20/1999	7.27	3.45	3.82	0.00	-	<50	10	<0.5	<0.5	<0.5	<2.0	
MW-6	04/19/1999	7.27	3.39	3.88	0.00	-	<50	2.6	<0.5	<0.5	<0.5	<2.0/<2.5 ²	
MW-6	07/29/1999 ⁴	7.27	4.34	2.93	0.00	-	<5,000	2,590	<50	<50	<50	<500	

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Location	Date	TOC	DTW	GWE	LNAPLT	FIELD PARAMETERS		HYDROCARBONS		PRIMARY VOCS			
						Dissolved Oxygen	TPH-GRO	B	T	E	X	MTBE by SW6260	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-6	10/13/1999	7.27	5.89	1.38	0.00	-	9,270	4,610	44.2	<25	<25	<125	
MW-6	01/25/2000	7.27	4.11	3.16	0.00	-	529	289	<0.5	<0.5	<0.5	738	
MW-6	04/03/2000 ^{7,8}	7.27	2.84	4.43	0.00	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5	
MW-6	07/03/2000 ⁷	7.27	3.77	3.50	0.00	-	91 ⁶	89	0.77	<0.50	<0.50	<2.5	
MW-6	10/12/2000	7.27	6.32	0.95	0.00	-	<50	8.0	<0.50	<0.50	<0.50	<2.5	
MW-6	01/08/2001 ^{7,11}	7.27	3.74	3.53	0.00	-	400 ⁶	640	8.2	8.0	5.0	10	
MW-6	04/09/2001 ⁷	7.27	3.03	4.24	0.00	-	91.3	22.0	3.36	0.751	2.14	<0.500	
MW-6	08/23/2001 ⁷	7.27	4.70	2.57	0.00	-	53 ¹³	23	0.50	<0.50	1.1	<2.5	
MW-6	11/27/2001 ¹⁴	7.27	4.43	2.84	0.00	-	<50	4.1	<0.50	<0.50	<1.5	<2.5	
MW-6	02/26/2002 ¹⁴	7.27	2.50	4.77	0.00	-	100	53	<0.50	<0.50	<1.5	<2.5	
MW-6	05/23/2002	7.27	3.27	4.00	0.00	-	610	260	4.2	1.7	2.1	<2.5	
MW-6	08/09/2002	7.27	4.11	3.16	0.00	-	<50	1.1	<0.50	<0.50	<1.5	<2.5	
MW-6	11/08/2002	7.27	4.12	3.15	0.00	2.10	<50	<0.50	<0.50	<0.50	<1.5	<2.5	
MW-6	02/07/2003	7.27	2.60	4.67	0.00	2.60	<50	0.65	<0.50	<0.50	<1.5	<2.5	
MW-6	05/09/2003	7.27	2.57	4.70	0.00	3.10	<50	1.9	<0.5	<0.5	<1.5	<2.5	
MW-6	08/15/2003 ¹⁵	7.27	4.15	3.12	0.00	2.90	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-6	11/14/2003 ¹⁵	7.27	4.10	3.17	0.00	3.41	<50	<0.5	0.6	<0.5	<0.5	1	
MW-6	02/13/2004 ¹⁵	7.27	2.66	4.61	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-6	05/14/2004 ¹⁵	7.27	3.55	3.72	0.00	-	<50	3	<0.5	<0.5	<0.5	<0.5	
MW-6	08/13/2004 ¹⁵	7.27	4.32	2.95	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-6	11/12/2004 ¹⁵	7.27	4.20	3.07	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-6	02/11/2005 ¹⁵	7.27	2.18	5.09	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-6	05/13/2005 ¹⁵	7.27	4.11	3.16	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-6	08/19/2005 ¹⁵	7.27	3.70	3.57	0.00	1.90	<50	<0.5	<0.5	<0.5	<0.5	<0.5	

Table 1

**Groundwater Monitoring and Sampling Data
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Location	Date	FIELD PARAMETERS					HYDROCARBONS	PRIMARY VOCS				
		TOC	DTW	GWE	LNAPLT	Dissolved Oxygen	TPH-GRO	B	T	E	X	MTBE by SW6260
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-6	11/18/2005 ¹⁵	7.27	3.98	3.29	0.00	1.70	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	02/10/2006 ¹⁵	7.27	2.11	5.16	0.00	2.20	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	05/12/2006 ¹⁵	7.27	3.18	4.09	0.00	2.80	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	08/11/2006 ¹⁵	7.27	3.80	3.47	0.00	2.50	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	11/17/2006 ¹⁵	7.27	3.78	3.49	0.00	2.20	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	02/16/2007 ¹⁵	7.27	2.08	5.19	0.00	1.80	<50	1	<0.5	<0.5	<0.5	<0.5
MW-6	05/17/2007 ¹⁵	7.27	3.61	3.66	0.00	2.0	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	08/09/2007 ¹⁵	7.27	4.05	3.22	0.00	2.6	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	11/08/2007 ¹⁵	7.27	4.12	3.15	0.00	2.2	<50	5	<0.5	<0.5	<0.5	<0.5
MW-6	02/06/2008 ¹⁵	7.27	1.85	5.42	0.00	2.4	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	05/07/2008 ¹⁵	7.27	3.91	3.36	0.00	2.3	63	18	<0.5	<0.5	<0.5	<0.5
MW-6	09/11/2008 ¹⁵	7.27	4.93	2.34	0.00	1.9	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	11/10/2008 ¹⁵	7.27	4.30	2.97	0.00	2.2	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	02/09/2009 ¹⁵	7.27	2.97	4.30	0.00	2.0	<50	2	<0.5	<0.5	<0.5	<0.5
MW-6	05/28/2009 ¹⁵	7.27	3.53	3.74	0.00	1.77	<50	4	<0.5	<0.5	<0.5	<0.5
MW-6	08/18/2009 ¹⁵	7.27	3.38	3.89	0.00	1.81	560	130	3	<0.5	0.7 J	<0.5
MW-6	11/17/2009	7.27	4.00	3.27	0.00	-	-	-	-	-	-	-
MW-6	03/31/2010	7.27	2.44	4.83	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	05/17/2010	7.27	3.30	3.97	0.00	-	-	-	-	-	-	-
MW-6	08/26/2010	7.27	4.15	3.12	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	11/11/2010 ²⁰	7.27	4.16	3.11	0.00	-	-	-	-	-	-	-
MW-6	03/02/2011 ²⁰	7.27	2.27	5.00	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	06/17/2011 ²⁰	7.27	3.69	3.58	0.00	-	-	-	-	-	-	-
MW-6	09/08/2011 ²⁰	7.27	3.82	3.45	0.00	-	<50	2	<0.5	<0.5	<0.5	<0.5

Table 1

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Location	Date	FIELD PARAMETERS					HYDROCARBONS	PRIMARY VOCS				
		TOC	DTW	GWE	LNAPLT	Dissolved Oxygen	TPH-GRO	B	T	E	X	MTBE by SW6260
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-6	12/29/2011 ²⁰	7.27	3.90	3.37	0.00	-	-	-	-	-	-	-
MW-6	03/28/2012	7.27	1.99	5.28	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	05/31/2012 ²⁰	7.27	3.28	3.99	0.00	-	-	-	-	-	-	-
MW-6	09/28/2012	7.27	4.47	2.80	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	12/21/2012 ²⁰	7.27	2.68	4.59	0.00	-	-	-	-	-	-	-
MW-6	03/29/2013	7.27	3.73	3.54	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	06/28/2013	7.27	4.17	3.10	0.00	-	-	-	-	-	-	-
MW-6	09/20/2013	7.27	4.48	2.79	0.00	-	-	-	-	-	-	-
MW-6	12/30/2013	7.27	4.27	3.00	0.00	-	-	-	-	-	-	-
MW-6	03/31/2014	7.27	3.05	4.22	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	06/30/2014	7.27	4.24	3.03	0.00	-	-	-	-	-	-	-
MW-6	09/30/2014	7.27	4.70	2.57	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	12/30/2014	7.27	2.56	4.71	0.00	-	-	-	-	-	-	-
MW-6	03/20/2015	7.27	3.61	3.66	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	06/18/2015	7.27	4.31	2.96	0.00	-	-	-	-	-	-	-
MW-6	09/23/2015	7.27	5.11	2.16	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	12/22/2015 ²⁵	7.27	3.91	3.36	0.00	-	-	-	-	-	-	-
MW-6	03/29/2016	7.27	2.62	4.65	0.00	-	<100	<1	<1	<1	<1	<1
MW-7	11/30/1993	8.22	5.33	2.89	0.00	-	480	110	41	4.4	38	-
MW-7	01/27/1994	8.22	4.50	3.72	0.00	-	120	21	1.1	2.2	4.8	-
MW-7	04/07/1994	8.22	4.62	3.60	0.00	-	2,600	630	39	56	94	-
MW-7	07/01/1994	8.22	5.13	3.09	0.00	-	2,200	770	42	<10	92	-
MW-7	10/05/1994	8.22	5.61	2.61	0.00	-	15,000	3,300	90	130	320	-

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Location	Date	FIELD PARAMETERS					HYDROCARBONS	PRIMARY VOCS				
		TOC	DTW	GWE	LNAPLT	Dissolved Oxygen	TPH-GRO	B	T	E	X	MTBE by SW6260
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-7	01/12/1995	8.22	2.83	5.39	0.00	-	340	57	<1.3	18	6.4	-
MW-7	04/26/1995	8.22	2.35	5.87	0.00	-	15,000	3,700	210	520	800	-
MW-7	07/12/1995	8.22	4.66	3.56	0.00	-	7,700	1,800	59	130	370	-
MW-7	10/30/1995	8.22	5.48	2.74	0.00	-	770	260	<5.0	33	48	25
MW-7	01/22/1996	8.22	3.34	4.88	0.00	-	290	63	<1.0	6.4	5.7	<5.0
MW-7	04/24/1996	8.22	4.12	4.10	0.00	-	12,000	2,500	510	380	810	<125
MW-7	07/29/1996	8.22	5.03	3.19	0.00	-	2,600	650	<25	61	150	<125
MW-7	10/10/1996	8.22	5.52	2.70	0.00	-	5,800	1,700	28	170	210	<62
MW-7	01/15/1997	8.22	2.92	5.30	0.00	-	1,000	230	<2.5	28	11	63
MW-7	04/03/1997	8.22	4.65	3.57	0.00	-	6,000	1,800	100	140	170	<100
MW-7	07/09/1997	8.22	5.39	2.83	0.00	-	5,500	2,200	<20	41	30	<100
MW-7	10/29/1997	8.22	5.58	2.64	0.00	-	220	40	0.61	3.0	2.4	7.6
MW-7	01/14/1998	8.22	2.80	5.42	0.00	-	140	5.1	<0.5	<0.5	1.4	<2.5
MW-7	04/17/1998	8.22	3.00	5.22	0.00	-	13,000	4,200	98	250	240	250
MW-7	07/15/1998 ²¹	8.22	-	-	-	-	-	-	-	-	-	-
MW-7	08/17/1998 ⁵	7.92	5.52	2.40	0.00	-	1,600	380	51	68	280	22
MW-7	10/27/1998	7.92	7.51	0.41	0.00	-	190	2.3	0.53	<0.5	<0.5	33
MW-7	01/20/1999	7.92	3.45	4.47	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.0
MW-7	04/19/1999	7.92	4.61	3.31	0.00	-	6,500	3,000	<0.5	110	210	150 ² /310
MW-7	07/29/1999 ⁴	7.92	5.00	2.92	0.00	-	8,390	2,100	129	222	729	248
MW-7	10/13/1999	7.92	5.61	2.31	0.00	-	14,300	6,600	58.8	117	190	<125
MW-7	01/25/2000	7.92	3.32	4.60	0.00	-	1,100	184	<5.0	13.5	33.7	151
MW-7	04/03/2000 ^{7,9}	7.92	3.38	4.54	0.00	-	2,600 ⁶	780	12	<5.0	61	95
MW-7	07/03/2000 ⁷	7.92	4.34	3.58	0.00	-	4,100 ⁶	2,600	72	240	690	<50

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Location	Date	TOC	DTW	GWE	LNAPLT	FIELD PARAMETERS	HYDROCARBONS	PRIMARY VOCS				MTBE by SW6260
						Dissolved Oxygen	TPH-GRO	B	T	E	X	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-7	10/23/2000	7.92	6.11	1.81	0.00	-	12,000 ⁶	2,600	<50	150	290	<250
MW-7	01/08/2001 ^{7,11}	7.92	4.32	3.60	0.00	-	3,900 ⁶	2,200	61	140	350	<25
MW-7	04/09/2001 ⁷	7.92	3.63	4.29	0.00	-	25,100	4,590	1,200	843	1,920	48.1
MW-7	08/23/2001 ⁷	7.92	4.83	3.09	0.00	-	27,000	4,100	970	1,100	3,500	<500
MW-7	11/27/2001	7.92	4.30	3.62	0.00	-	12,000	1,800	50	450	830	91
MW-7	02/26/2002	7.92	3.00	4.92	0.00	-	15,000	3,100	260	380	860	<10
MW-7	05/23/2002	7.92	3.69	4.23	0.00	-	28,000	6,000	120	820	1,900	42
MW-7	08/09/2002	7.92	4.38	3.54	0.00	-	24,000	3,700	81	710	1,300	56
MW-7	11/08/2002	7.92	4.43	3.49	0.00	-98.00	18,000	2,300	150	660	1,400	<100
MW-7	02/07/2003	7.92	3.20	4.72	0.00	2.90	13,000	2,300	200	310	620	<25
MW-7	05/09/2003	7.92	3.18	4.74	0.00	2.60	17,000	4,200	36	350	360	<50
MW-7	08/15/2003 ¹⁵	7.92	4.75	3.17	0.00	2.30	29,000	7,300	140	780	1,900	<5
MW-7	11/14/2003 ¹⁵	7.92	4.95	2.97	0.00	1.87	7,200	950	3	45	20	7
MW-7	02/13/2004 ¹⁵	7.92	3.29	4.63	0.00	-	3,300	360	4	82	130	3
MW-7	05/14/2004 ¹⁵	7.92	3.98	3.94	0.00	-	17,000	3,100	480	510	1,300	3
MW-7	08/13/2004 ¹⁵	7.92	5.94	1.98	0.00	-	10,000	2,000	4	130	150	4
MW-7	11/12/2004 ¹⁵	7.92	4.50	3.42	0.00	-	680	4	<0.5	1	0.7	0.8
MW-7	02/11/2005 ¹⁵	7.92	3.07	4.85	0.00	-	4,600	680	6	80	44	4
MW-7	05/13/2005 ¹⁵	7.92	4.51	3.41	0.00	-	4,200	380	3	38	13	2
MW-7	08/19/2005 ¹⁵	7.92	4.03	3.89	0.00	0.80	7,900	1,300	3	190	310	<1
MW-7	11/18/2005 ¹⁵	7.92	4.62	3.30	0.00	0.90	3,900	4	1	16	8	2
MW-7	02/10/2006 ¹⁵	7.92	3.12	4.80	0.00	1.30	3,200	320	2	14	8	2
MW-7	05/12/2006 ¹⁵	7.92	4.25	3.67	0.00	1.40	3,600	1,000	2	65	27	<1
MW-7	08/11/2006 ¹⁵	7.92	4.45	3.47	0.00	1.10	6,700	1,900	6	280	300	<1

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Location	Date	TOC	DTW	GWE	LNAPLT	FIELD PARAMETERS	HYDROCARBONS	PRIMARY VOCS				MTBE by SW6260
						Dissolved Oxygen	TPH-GRO	B	T	E	X	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-7	11/17/2006 ¹⁵	7.92	4.71	3.21	0.00	0.70	1,200	0.6	<0.5	1	0.8	<0.5
MW-7	02/16/2007 ¹⁵	7.92	3.26	4.66	0.00	1.10	110	<0.5	<0.5	<0.5	<0.5	<0.5
MW-7	05/17/2007 ¹⁵	7.92	4.62	3.30	0.00	1.7	6,400	1,400	4	130	26	<1
MW-7	08/09/2007 ¹⁵	7.92	4.61	3.31	0.00	1.2	10,000	1,400	4	230	12	<3
MW-7	11/08/2007 ¹⁵	7.92	4.72	3.20	0.00	0.9	2,300	4	1	3	7	0.9
MW-7	02/06/2008 ¹⁵	7.92	2.98	4.94	0.00	0.5	190	<0.5	<0.5	<0.5	<0.5	<0.5
MW-7	05/07/2008 ¹⁵	7.92	4.48	3.44	0.00	1.2	8,000	1,500	15	380	260	<1
MW-7	09/11/2008 ¹⁵	7.92	5.95	1.97	0.00	1.0	5,100	530	4	47	12	0.7
MW-7	11/10/2008 ¹⁵	7.92	5.81	2.11	0.00	0.6	2,800	13	1	1	7	<0.5
MW-7	02/09/2009 ¹⁵	7.92	4.06	3.86	0.00	0.8	3,900	190	2	51	11	0.5
MW-7	05/28/2009 ^{15,17}	7.92	3.84	4.08	0.00	0.45	5,800	870	8	220	27	<0.5
MW-7	08/18/2009 ¹⁵	7.92	4.80	3.12	0.00	0.57	6,700	660	4	110	13	0.7 J
MW-7	11/17/2009	7.92	4.52	3.40	0.00	-	-	-	-	-	-	-
MW-7	03/31/2010	7.92	3.11	4.81	0.00	-	2,000	110	1	2	3	0.7 J
MW-7	05/17/2010	7.92	3.41	4.51	0.00	-	-	-	-	-	-	-
MW-7	08/26/2010	7.92	4.60	3.32	0.00	-	5,100	470	3	150	9	<0.5
MW-7	11/11/2010 ²⁰	7.92	4.68	3.24	0.00	-	-	-	-	-	-	-
MW-7	03/02/2011 ²⁰	7.92	2.53	5.39	0.00	-	1,100	<0.5	<0.5	<0.5	<0.5	<0.5
MW-7	06/17/2011 ²⁰	7.92	4.02	3.90	0.00	-	-	-	-	-	-	-
MW-7	09/08/2011 ²⁰	7.92	4.12	3.80	0.00	-	5,700	650	7	140	31	<0.5
MW-7	12/29/2011 ²⁰	7.92	4.12	3.80	0.00	-	-	-	-	-	-	-
MW-7	03/28/2012	7.92	2.61	5.31	0.00	-	370	<0.5	<0.5	<0.5	<0.5	<0.5
MW-7	05/31/2012 ²⁰	7.92	3.79	4.13	0.00	-	-	-	-	-	-	-
MW-7	09/28/2012	7.92	4.90	3.02	0.00	-	3,600	14	<5	<5	5 J	<5

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Location	Date	TOC	DTW	GWE	LNAPLT	FIELD PARAMETERS		HYDROCARBONS		PRIMARY VOCS			
						Dissolved Oxygen	TPH-GRO	B	T	E	X	MTBE by SW6260	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-7	12/21/2012 ²⁰	7.92	3.09	4.83	0.00	-	-	-	-	-	-	-	-
MW-7	03/29/2013	7.92	3.70	4.22	0.00	-	5,000	770	11	57	12	<0.5	
MW-7	06/28/2013	7.92	4.59	3.33	0.00	-	-	-	-	-	-	-	
MW-7	09/20/2013	7.92	4.96	2.96	0.00	-	4,400	1	2	1	4	<0.5	
MW-7	12/30/2013	7.92	4.60	3.32	0.00	-	-	-	-	-	-	-	
MW-7	03/31/2014	7.92	3.68	4.24	0.00	-	350	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-7	06/30/2014	7.92	4.52	3.40	0.00	-	-	-	-	-	-	-	
MW-7	09/30/2014 ²²	7.92	5.10	2.82	0.00	-	-	-	-	-	-	-	
MW-7	12/30/2014	7.92	2.97	4.95	0.00	-	-	-	-	-	-	-	
MW-7	03/20/2015	7.92	3.83	4.09	0.00	-	1,600	110	1	15	1	<0.5	
MW-7	06/18/2015	7.92	4.59	3.33	0.00	-	-	-	-	-	-	-	
MW-7	09/23/2015 ²²	7.92	5.43	2.49	0.00	-	-	-	-	-	-	-	
MW-7	12/22/2015 ²⁵	7.92	4.00	3.92	0.00	-	-	-	-	-	-	-	
MW-7	03/29/2016	7.92	2.73	5.19	0.00	-	1,200	<1	<1	<1	0.7 J	<1	
MW-8	10/17/1995	6.96	4.40	2.56	0.00	-	-	-	-	-	-	-	
MW-8	10/30/1995	6.96	4.44	2.52	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
MW-8	01/22/1996	6.96	2.24	4.72	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
MW-8	04/24/1996	6.96	2.97	3.99	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
MW-8	07/29/1996	6.96	3.37	3.59	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
MW-8	10/10/1996	6.96	4.12	2.84	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
MW-8	01/15/1997	6.96	0.94	6.02	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
MW-8	04/03/1997	6.96	2.20	4.76	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	
MW-8	07/09/1997	6.96	4.30	2.66	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5	

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Location	Date	TOC	DTW	GWE	LNAPL	FIELD PARAMETERS		HYDROCARBONS		PRIMARY VOCS			
						Dissolved Oxygen	TPH-GRO	B	T	E	X	MTBE by SW6260	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-8	10/29/1997	6.96	4.57	2.39	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5
MW-8	01/14/1998	6.96	0.83	6.13	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5
MW-8	01/20/1999	6.96	2.69	4.27	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0
MW-8	04/19/1999	6.96	3.76	3.20	0.00	-	-	-	-	-	-	-	-
MW-8	01/25/2000	6.96	1.41	5.55	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<2.5
MW-8	04/03/2000 ¹⁹	6.96	-	-	-	-	-	-	-	-	-	-	-
MW-8	07/03/2000	6.96	-	-	-	-	-	-	-	-	-	-	-
MW-8	10/23/2000	6.96	-	-	-	-	-	-	-	-	-	-	-
MW-8	01/08/2001 ¹¹	6.96	3.58	3.38	0.00	-	<50	<0.50	<0.50	<0.50	<0.50	<1.5	<2.5
MW-8	04/09/2001	6.96	-	-	-	-	-	-	-	-	-	-	-
MW-8	08/23/2001 ¹⁹	6.96	-	-	-	-	-	-	-	-	-	-	-
MW-8	11/27/2001 ¹⁹	6.96	-	-	-	-	-	-	-	-	-	-	-
MW-8	02/26/2002	6.96	2.91	4.05	0.00	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	<2.5
MW-8	05/23/2002 ¹⁹	6.96	-	-	-	-	-	-	-	-	-	-	-
MW-8	08/09/2002 ¹⁹	6.96	-	-	-	-	-	-	-	-	-	-	-
MW-8	11/08/2002 ¹⁹	6.96	-	-	-	-	-	-	-	-	-	-	-
MW-8	02/07/2003	6.96	3.13	3.83	0.00	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5	<2.5
MW-8	05/09/2003 ¹⁹	6.96	-	-	-	-	-	-	-	-	-	-	-
MW-8	08/15/2003 ¹⁹	6.96	-	-	-	-	-	-	-	-	-	-	-
MW-8	11/14/2003 ¹⁹	6.96	-	-	-	-	-	-	-	-	-	-	-
MW-8	02/13/2004 ¹⁵	6.96	3.20	3.76	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-8	05/14/2004 ¹⁹	6.96	-	-	-	-	-	-	-	-	-	-	-
MW-8	11/12/2004 ¹⁹	6.96	-	-	-	-	-	-	-	-	-	-	-
MW-8	02/11/2005 ¹⁵	6.96	2.85	4.11	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

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Location	Date	TOC	DTW	GWE	LNAPLT	FIELD PARAMETERS	HYDROCARBONS	PRIMARY VOCS				MTBE by SW6260
						Dissolved Oxygen	TPH-GRO	B	T	E	X	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-8	05/13/2005 ¹⁹	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	08/19/2005 ¹⁹	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	11/18/2005 ¹⁹	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	02/10/2006 ¹⁵	6.96	2.74	4.22	<50	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-8	05/12/2006 ¹⁹	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	08/11/2006 ¹⁹	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	11/17/2006 ¹⁹	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	02/16/2007 ¹⁵	6.96	2.69	4.27	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-8	05/17/2007 ¹⁹	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	08/09/2007 ¹⁹	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	11/08/2007 ¹⁹	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	02/06/2008 ¹⁵	6.96	2.57	4.39	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-8	05/07/2008 ¹⁹	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	09/11/2008 ¹⁹	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	11/10/2008 ¹⁹	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	02/09/2009 ¹⁵	6.96	3.28	3.68	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-8	03/31/2010	6.96	2.85	4.11	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-8	05/17/2010	6.96	3.33	3.63	0.00	-	-	-	-	-	-	-
MW-8	08/26/2010 ¹⁹	6.96	4.27	2.69	0.00	-	-	-	-	-	-	-
MW-8	11/11/2010 ¹⁹	6.96	3.82	3.14	0.00	-	-	-	-	-	-	-
MW-8	03/02/2011 ¹⁹	6.96	1.66	5.30	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-8	06/17/2011 ¹⁹	6.96	3.79	3.17	0.00	-	-	-	-	-	-	-
MW-8	09/08/2011 ¹⁹	6.96	2.97	3.99	0.00	-	-	-	-	-	-	-
MW-8	12/29/2011 ¹⁹	6.96	3.70	3.26	0.00	-	-	-	-	-	-	-

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Location	Date	FIELD PARAMETERS					HYDROCARBONS	PRIMARY VOCS				
		TOC	DTW	GWE	LNAPL	Dissolved Oxygen	TPH-GRO	B	T	E	X	MTBE by SW6260
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-8	03/28/2012	6.96	0.48	6.48	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-8	05/31/2012 ¹⁹	6.96	1.66	5.30	0.00	-	-	-	-	-	-	-
MW-8	09/28/2012 ¹⁹	6.96	4.87	2.09	0.00	-	-	-	-	-	-	-
MW-8	12/21/2012 ¹⁹	6.96	2.28	4.68	0.00	-	-	-	-	-	-	-
MW-8	03/29/2013	6.96	3.73	3.23	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-8	06/28/2013	6.96	3.99	2.97	0.00	-	-	-	-	-	-	-
MW-8	09/20/2013	6.96	4.44	2.52	0.00	-	-	-	-	-	-	-
MW-8	12/30/2013	6.96	4.62	2.34	0.00	-	-	-	-	-	-	-
MW-8	03/31/2014	6.96	2.73	4.23	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-8	06/30/2014	6.96	4.69	2.27	0.00	-	-	-	-	-	-	-
MW-8	09/30/2014	6.96	4.50	2.46	0.00	-	-	-	-	-	-	-
MW-8	12/30/2014	6.96	2.52	4.44	0.00	-	-	-	-	-	-	-
MW-8	03/20/2015	6.96	3.70	3.26	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-8	06/18/2015	6.96	4.19	2.77	0.00	-	-	-	-	-	-	-
MW-8	09/23/2015	6.96	4.92	2.04	0.00	-	-	-	-	-	-	-
MW-8	12/22/2015 ²⁵	6.96	3.96	3.00	0.00	-	-	-	-	-	-	-
MW-8	03/29/2016	6.96	2.45	4.51	0.00	-	<100	<1	<1	<1	<1	<1
MW-9	10/17/1995	7.21	4.80	2.41	0.00	-	-	-	-	-	-	-
MW-9	10/30/1995	7.21	4.97	2.24	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-9	01/22/1996	7.21	3.40	3.81	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-9	04/24/1996	7.21	4.18	3.03	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-9	07/29/1996	7.21	4.69	2.52	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-9	10/10/1996	7.21	5.20	2.01	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5

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Location	Date	TOC	DTW	GWE	LNAPL	FIELD PARAMETERS	HYDROCARBONS	PRIMARY VOCS				MTBE by SW6260
						Dissolved Oxygen	TPH-GRO	B	T	E	X	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-9	01/15/1997	7.21	3.31	3.90	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-9	04/03/1997	7.21	4.57	2.64	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-9	07/09/1997	7.21	5.04	2.17	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-9	10/29/1997	7.21	4.96	2.25	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-9	01/14/1998	7.21	2.40	4.81	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-9	01/20/1999	7.21	4.31	2.90	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.0
MW-9	04/19/1999	7.21	3.92	3.29	0.00	-	-	-	-	-	-	-
MW-9	01/25/2000	7.21	2.95	4.26	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-9	04/03/2000 ¹⁹	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	07/03/2000	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	10/23/2000	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	01/08/2001 ¹¹	7.21	4.59	2.62	0.00	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5
MW-9	04/09/2001	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	08/23/2001 ¹⁹	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	11/27/2001 ¹⁹	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	02/26/2002	7.21	3.75	3.46	0.00	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5
MW-9	05/23/2002 ¹⁹	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	08/09/2002 ¹⁹	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	11/08/2002 ¹⁹	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	02/07/2003	7.21	3.97	3.24	0.00	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5
MW-9	05/09/2003 ¹⁹	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	08/15/2003 ¹⁹	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	11/14/2003 ¹⁹	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	02/13/2004 ¹⁵	7.21	3.94	3.27	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5

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Location	Date	TOC	DTW	GWE	LNAPL	FIELD PARAMETERS		HYDROCARBONS	PRIMARY VOCS				MTBE by SW6260
						Dissolved Oxygen	TPH-GRO	B	T	E	X		
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-9	05/14/2004 ¹⁹	7.21	-	-	-	-	-	-	-	-	-	-	-
MW-9	11/12/2004 ¹⁹	7.21	-	-	-	-	-	-	-	-	-	-	-
MW-9	02/11/2005 ¹⁵	7.21	3.66	3.55	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-9	05/13/2005 ¹⁹	7.21	-	-	-	-	-	-	-	-	-	-	-
MW-9	08/19/2005 ¹⁹	7.21	-	-	-	-	-	-	-	-	-	-	-
MW-9	11/18/2005 ¹⁹	7.21	-	-	-	-	-	-	-	-	-	-	-
MW-9	02/10/2006 ¹⁵	7.21	3.53	3.68	0.00	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-9	05/12/2006 ¹⁹	7.21	-	-	-	-	-	-	-	-	-	-	-
MW-9	08/11/2006 ¹⁹	7.21	-	-	-	-	-	-	-	-	-	-	-
MW-9	11/17/2006 ¹⁹	7.21	-	-	-	-	-	-	-	-	-	-	-
MW-9	02/16/2007 ¹⁵	7.21	3.50	3.71	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-9	05/17/2007 ¹⁹	7.21	-	-	-	-	-	-	-	-	-	-	-
MW-9	08/09/2007 ¹⁹	7.21	-	-	-	-	-	-	-	-	-	-	-
MW-9	11/08/2007 ¹⁹	7.21	-	-	-	-	-	-	-	-	-	-	-
MW-9	02/06/2008 ¹⁵	7.21	3.14	4.07	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-9	05/07/2008 ¹⁹	7.21	-	-	-	-	-	-	-	-	-	-	-
MW-9	09/11/2008 ¹⁹	7.21	-	-	-	-	-	-	-	-	-	-	-
MW-9	11/10/2008 ¹⁹	7.21	-	-	-	-	-	-	-	-	-	-	-
MW-9	02/09/2009 ¹⁵	7.21	3.91	3.30	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-9	03/31/2010	7.21	3.16	4.05	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-9	05/17/2010	7.21	3.44	3.77	0.00	-	-	-	-	-	-	-	-
MW-9	08/26/2010 ¹⁹	7.21	4.77	2.44	0.00	-	-	-	-	-	-	-	-
MW-9	11/11/2010 ¹⁹	7.21	4.29	2.92	0.00	-	-	-	-	-	-	-	-
MW-9	03/02/2011 ¹⁹	7.21	2.75	4.46	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

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Location	Date	TOC	DTW	GWE	LNAPLT	FIELD PARAMETERS	HYDROCARBONS	PRIMARY VOCS				MTBE by SW6260
						Dissolved Oxygen	TPH-GRO	B	T	E	X	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-9	06/17/2011 ¹⁹	7.21	3.86	3.35	0.00	-	-	-	-	-	-	-
MW-9	09/08/2011 ¹⁹	7.21	4.28	2.93	0.00	-	-	-	-	-	-	-
MW-9	12/29/2011 ¹⁹	7.21	4.58	2.63	0.00	-	-	-	-	-	-	-
MW-9	03/28/2012	7.21	2.32	4.89	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-9	05/31/2012 ¹⁹	7.21	4.15	3.06	0.00	-	-	-	-	-	-	-
MW-9	09/28/2012 ¹⁹	7.21	4.96	2.25	0.00	-	-	-	-	-	-	-
MW-9	12/21/2012 ¹⁹	7.21	2.32	4.89	0.00	-	-	-	-	-	-	-
MW-9	03/29/2013	7.21	4.20	3.01	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-9	06/28/2013	7.21	4.61	2.60	0.00	-	-	-	-	-	-	-
MW-9	09/20/2013	7.21	4.71	2.50	0.00	-	-	-	-	-	-	-
MW-9	12/30/2013	7.21	5.12	2.09	0.00	-	-	-	-	-	-	-
MW-9	03/31/2014	7.21	3.16	4.05	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-9	06/30/2014	7.21	4.51	2.70	0.00	-	-	-	-	-	-	-
MW-9	09/30/2014	7.21	4.80	2.41	0.00	-	-	-	-	-	-	-
MW-9	12/30/2014	7.21	2.67	4.54	0.00	-	-	-	-	-	-	-
MW-9	03/20/2015	7.21	4.02	3.19	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-9	06/18/2015	7.21	4.53	2.68	0.00	-	-	-	-	-	-	-
MW-9	09/23/2015	7.21	5.11	2.10	0.00	-	-	-	-	-	-	-
MW-9	12/22/2015 ²⁵	7.21	4.17	3.04	0.00	-	-	-	-	-	-	-
MW-9	03/29/2016	7.21	2.90	4.31	0.00	-	<100	<1	<1	<1	<1	<1
MW-10	10/17/1995	7.28	5.05	2.23	0.00	-	-	-	-	-	-	-
MW-10	10/30/1995	7.28	5.11	2.17	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	5.1
MW-10	01/22/1996	7.28	4.03	3.25	0.00	-	<50	<0.5	<0.5	<0.5	0.70	17

Table 1

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Former Chevron Service Station 91153
3135 Gibbons Drive (3126 Fernside Boulevard)
Alameda, California**

Location	Date	TOC	DTW	GWE	LNAPL	FIELD PARAMETERS	HYDROCARBONS	PRIMARY VOCS				MTBE by SW6260
						Dissolved Oxygen	TPH-GRO	B	T	E	X	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-10	04/24/1996	7.28	4.30	2.98	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	12
MW-10	07/29/1996	7.28	4.70	2.58	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	14
MW-10	10/10/1996	7.28	5.24	2.04	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-10	01/15/1997	7.28	3.35	3.93	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-10	04/03/1997	7.28	4.64	2.64	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	8.2
MW-10	07/09/1997	7.28	5.12	2.16	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-10	10/29/1997	7.28	5.10	2.18	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	5.3
MW-10	01/14/1998	7.28	3.08	4.20	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	8.6
MW-10	04/17/1998 ²⁰	7.28	3.79	3.49	0.00	-	-	-	-	-	-	-
MW-10	07/15/1998	7.28	4.55	2.73	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	7.5
MW-10	10/27/1998	7.28	5.32	1.96	0.00	-	-	-	-	-	-	-
MW-10	01/20/1999	7.28	4.24	3.04	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.0
MW-10	04/19/1999	7.28	4.07	3.21	0.00	-	-	-	-	-	-	-
MW-10	07/29/1999	7.28	4.82	2.46	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0/2.4 ²
MW-10	10/13/1999	7.28	4.86	2.42	0.00	-	-	-	-	-	-	-
MW-10	01/25/2000	7.28	3.00	4.28	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	4.33
MW-10	04/03/2000	7.28	3.04	4.24	0.00	-	-	-	-	-	-	-
MW-10	07/03/2000	7.28	4.00	3.28	0.00	-	<50	<0.50	<0.50	<0.50	<0.50	4.7
MW-10	10/23/2000	7.28	5.86	1.42	0.00	-	-	-	-	-	-	-
MW-10	01/08/2001 ¹¹	7.28	3.98	3.30	0.00	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5
MW-10	04/09/2001	7.28	3.74	3.54	0.00	-	-	-	-	-	-	-
MW-10	08/23/2001 ²¹	7.28	-	-	-	-	-	-	-	-	-	-
MW-10	11/27/2001 ²⁰	7.28	4.13	3.15	0.00	-	-	-	-	-	-	-
MW-10	02/26/2002	7.28	3.54	3.74	0.00	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5

Table 1

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Location	Date	TOC	DTW	GWE	LNAPL	FIELD PARAMETERS	HYDROCARBONS	PRIMARY VOCS				MTBE by SW6260
						Dissolved Oxygen	TPH-GRO	B	T	E	X	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-10	05/23/2002 ²⁰	7.28	3.82	3.46	0.00	-	-	-	-	-	-	-
MW-10	08/09/2002	7.28	4.18	3.10	0.00	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5
MW-10	11/08/2002 ²⁰	7.28	3.91	3.37	0.00	-	-	-	-	-	-	-
MW-10	02/07/2003	7.28	3.61	3.67	0.00	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5
MW-10	05/09/2003 ²⁰	7.28	3.25	4.03	0.00	-	-	-	-	-	-	-
MW-10	08/15/2003 ¹⁵	7.28	4.35	2.93	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	11/14/2003 ²⁰	7.28	4.30	2.98	0.00	-	-	-	-	-	-	-
MW-10	02/13/2004 ¹⁵	7.28	4.27	3.01	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	05/14/2004 ²⁰	7.28	4.08	3.20	0.00	-	-	-	-	-	-	-
MW-10	08/13/2004 ¹⁵	7.28	3.92	3.36	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	11/12/2004 ²⁰	7.28	3.98	3.30	0.00	-	-	-	-	-	-	-
MW-10	02/11/2005 ¹⁵	7.28	4.07	3.21	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	05/13/2005 ²⁰	7.28	4.01	3.27	0.00	-	-	-	-	-	-	-
MW-10	08/19/2005 ¹⁵	7.28	3.69	3.59	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	11/18/2005 ²⁰	7.28	3.86	3.42	0.00	-	-	-	-	-	-	-
MW-10	02/10/2006 ¹⁵	7.28	3.94	3.34	0.00	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	05/12/2006 ²⁰	7.28	4.07	3.21	0.00	-	-	-	-	-	-	-
MW-10	08/11/2006 ¹⁵	7.28	4.21	3.07	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	11/17/2006 ²⁰	7.28	3.83	3.45	0.00	-	-	-	-	-	-	-
MW-10	02/16/2007 ¹⁵	7.28	3.87	3.41	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	05/17/2007 ²⁰	7.28	3.71	3.57	0.00	-	-	-	-	-	-	-
MW-10	08/09/2007 ²¹	7.28	-	-	-	-	-	-	-	-	-	-
MW-10	11/08/2007 ²¹	7.28	-	-	-	-	-	-	-	-	-	-
MW-10	02/06/2008 ²¹	7.28	-	-	-	-	-	-	-	-	-	-

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Location	Date	TOC	DTW	GWE	LNAPL	FIELD PARAMETERS	HYDROCARBONS	PRIMARY VOCS				MTBE by SW6260
						Dissolved Oxygen	TPH-GRO	B	T	E	X	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-10	05/07/2008 ²¹	7.28	-	-	-	-	-	-	-	-	-	-
MW-10	09/11/2008 ¹⁵	7.28	4.63	2.65	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	11/10/2008 ²⁰	7.28	4.28	3.00	0.00	-	-	-	-	-	-	-
MW-10	02/09/2009 ¹⁵	7.28	2.17	5.11	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	05/28/2009	7.28	3.69	3.59	0.00	-	-	-	-	-	-	-
MW-10	08/18/2009 ¹⁵	7.28	4.07	3.21	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	11/17/2009	7.28	4.12	3.16	0.00	-	-	-	-	-	-	-
MW-10	03/31/2010	7.28	3.43	3.85	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	05/17/2010	7.28	3.53	3.75	0.00	-	-	-	-	-	-	-
MW-10	08/26/2010	7.28	4.33	2.95	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	11/11/2010 ²⁰	7.28	4.34	2.94	0.00	-	-	-	-	-	-	-
MW-10	03/02/2011 ²⁰	7.28	3.33	3.95	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	06/17/2011 ²⁰	7.28	3.92	3.36	0.00	-	-	-	-	-	-	-
MW-10	09/08/2011 ²⁰	7.28	3.95	3.33	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	12/29/2011 ²⁰	7.28	4.00	3.28	0.00	-	-	-	-	-	-	-
MW-10	03/28/2012	7.28	2.96	4.32	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	05/31/2012 ²⁰	7.28	3.90	3.38	0.00	-	-	-	-	-	-	-
MW-10	09/28/2012	7.28	3.60	3.68	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	12/21/2012 ²⁰	7.28	3.44	3.84	0.00	-	-	-	-	-	-	-
MW-10	03/29/2013	7.28	2.95	4.33	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	06/28/2013	7.28	3.50	3.78	0.00	-	-	-	-	-	-	-
MW-10	09/20/2013	7.28	3.37	3.91	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	12/30/2013	7.28	3.09	4.19	0.00	-	-	-	-	-	-	-
MW-10	03/31/2014	7.28	3.35	3.93	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5

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Location	Date	FIELD PARAMETERS					HYDROCARBONS	PRIMARY VOCS				
		TOC	DTW	GWE	LNAPLT	Dissolved Oxygen	TPH-GRO	B	T	E	X	MTBE by SW6260
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-10	06/30/2014	7.28	3.52	3.76	0.00	-	-	-	-	-	-	-
MW-10	09/30/2014	7.28	3.20	4.08	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	12/30/2014	7.28	3.18	4.10	0.00	-	-	-	-	-	-	-
MW-10	03/20/2015	7.28	3.16	4.12	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	06/18/2015	7.28	3.47	3.81	0.00	-	-	-	-	-	-	-
MW-10	09/23/2015	7.28	3.33	3.95	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	12/22/2015 ²⁴	7.28	-	-	0.00	-	-	-	-	-	-	-
MW-10	03/29/2016	7.28	2.92	4.36	0.00	-	<100	<1	<1	<1	<1	<1
C-2	09/04/1986	-	-	-	-	-	1,100	49	18	84	-	-
C-2	07/22/1987	-	-	-	-	-	<50	1.8	<1.0	<4.0	-	-
RW-1	12/22/2015	-	0.08	-	0.00	-	300	<0.5	<0.5	<0.5	<0.5	<0.5
TMW-1	11/11/1993	-	-	-	-	-	<1.0	<0.5	<0.5	<0.5	<0.5	-
3115A GIBBONS DR.	01/14/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
QA	02/14/1990	-	-	-	-	-	<50	<0.5	1.1	<0.5	<0.5	-
QA	09/06/1991	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-
QA	12/15/1991	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-
QA	03/03/1992	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-
QA	06/04/1992	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-
QA	10/13/1992	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-

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Location	Date	FIELD PARAMETERS					HYDROCARBONS	PRIMARY VOCS				
		TOC	DTW	GWE	LNAPL	Dissolved Oxygen	TPH-GRO	B	T	E	X	MTBE by SW6260
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
QA	01/11/1993	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-
QA	04/14/1993	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-
QA	07/13/1993	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-
QA	10/19/1993	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<1.5	-
QA	01/27/1994	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-
QA	04/07/1994	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-
QA	07/01/1994	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-
QA	10/05/1994	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-
QA	01/12/1995	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-
QA	04/26/1995	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-
QA	07/12/1995	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-
QA	10/30/1995	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-
QA	01/22/1996	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
QA	04/24/1996	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
QA	07/29/1996	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
QA	01/15/1997	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
QA	04/03/1997	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
QA	07/09/1997	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
QA	10/29/1997	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
QA	01/14/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
QA	04/17/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
QA	07/15/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
QA	10/27/1998	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
QA	01/20/1999	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.0

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Location	Date	FIELD PARAMETERS					HYDROCARBONS	PRIMARY VOCS				
		TOC	DTW	GWE	LNAPL	Dissolved Oxygen	TPH-GRO	B	T	E	X	MTBE by SW6260
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
QA	04/19/1999	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
QA	07/29/1999	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<5.0
QA	10/13/1999	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
QA	01/25/2000	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
QA	04/03/2000	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5
QA	07/03/2000	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5
QA	10/23/2000	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5
QA	01/08/2001 ¹¹	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5
QA	04/09/2001	-	-	-	-	-	<50.0	<0.500	<2.00	<0.500	<2.00	<0.500
QA	08/23/2001	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5
QA	11/27/2001	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5
QA	02/26/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5
QA	05/23/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5
QA	08/09/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5
QA	11/08/2002	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5
QA	02/07/2003	-	-	-	-	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5
QA	05/09/2003	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<1.5	<2.5
QA	08/15/2003 ¹⁵	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	11/14/2003	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	02/13/2004 ¹⁵	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	05/14/2004 ¹⁵	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	08/13/2004 ¹⁵	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	11/12/2004 ¹⁵	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	02/11/2005 ¹⁵	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5

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Location	Date	FIELD PARAMETERS				HYDROCARBONS	PRIMARY VOCS					
		TOC	DTW	GWE	LNAPL	Dissolved Oxygen	TPH-GRO	B	T	E	X	MTBE by SW6260
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
QA	05/13/2005 ¹⁵	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	08/19/2005 ¹⁵	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	11/18/2005 ¹⁵	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	02/10/2006 ¹⁵	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	05/12/2006 ¹⁵	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	08/11/2006 ¹⁵	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	11/17/2006 ¹⁵	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	02/16/2007 ¹⁵	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	05/17/2007 ¹⁵	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	08/09/2007 ¹⁵	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	11/08/2007 ¹⁵	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	02/06/2008 ¹⁵	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	05/07/2008 ¹⁵	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	09/11/2008 ¹⁵	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	11/10/2008 ¹⁵	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	02/09/2009 ¹⁵	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	05/28/2009 ¹⁵	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	08/18/2009 ¹⁵	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	03/31/2010	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	08/26/2010	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	03/02/2011	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	09/08/2011	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	03/28/2012	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	09/28/2012	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5

Table 1

**Groundwater Monitoring and Sampling Data
Former Chevron Service Station 91153
3135 Gibbons Drive (3126 Fernside Boulevard)
Alameda, California**

Location	Date	FIELD PARAMETERS				HYDROCARBONS	PRIMARY VOCS				MTBE by SW6260	
		TOC	DTW	GWE	LNAPL	Dissolved Oxygen	TPH-GRO	B	T	E		X
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
QA	03/29/2013	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	09/20/2013	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	03/31/2014	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	06/30/2014	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	03/20/2015	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	06/18/2015	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	09/23/2015	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	09/30/2014	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	12/30/2014	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	03/20/2015	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	06/18/2015	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	09/23/2015	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	12/22/2015	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	03/29/2016	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5

Abbreviations and Notes:

TOC = Top of casing

DTW = Depth to water

GWE = Groundwater elevation

LNAPL - Light Non-Aqueous Phase Liquid

LNAPLT - Light Non-Aqueous Phase Liquid

(ft-amsl) = Feet above mean sea level

ft = Feet

mg/L - Milligrams per liter

Table 1

**Groundwater Monitoring and Sampling Data
Former Chevron Service Station 91153
3135 Gibbons Drive (3126 Fernside Boulevard)
Alameda, California**

Location	Date	TOC	DTW	GWE	LNAPL	FIELD PARAMETERS	HYDROCARBONS	PRIMARY VOCS				MTBE by SW6260
						Dissolved Oxygen	TPH-GRO	B	T	E	X	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L

µg/L = Micrograms per liter

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

VOCS = Volatile organic compounds

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes (Total)

MTBE = Methyl tert butyl ether

J = Estimated value (the result ≥ the method detection limit < the limit of quantitation)

-- = Not available / not applicable

<x = Not detected above laboratory method detection limit

** GWE has been corrected due to the presence of LNAPL; correction factor: [(TOC - DTW) + (LNAPL x 0.80)].

1 Laboratory report indicates EPA 8010 were not detected (ND)

2 MTBE confirmed

3 Chromatogram report indicates an unidentified hydrocarbon

4 ORC installed

5 TOC elevation altered due to well head maintenance

6 Laboratory report indicates gasoline C6-C12

7 ORC in well

8 Laboratory report indicates Dissolved Oxygen was 1.50 parts per million (ppm) by EPA Method 360.1

9 Laboratory report indicates Dissolved Oxygen was 0.300 ppm by EPA Method 360.1

10 Laboratory report indicates sample originally shot in hold time at a raise D.L. re-analyzed and reported past hold time

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

12 Laboratory report indicates unidentified hydrocarbons C6-C12

Table 1

**Groundwater Monitoring and Sampling Data
Former Chevron Service Station 91153
3135 Gibbons Drive (3126 Fernside Boulevard)
Alameda, California**

Location	Date	TOC	DTW	GWE	LNAPL	FIELD PARAMETERS	HYDROCARBONS	PRIMARY VOCS				MTBE by SW8260	
						Dissolved Oxygen	TPH-GRO	B	T	E	X		
		Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L

- 13 Laboratory report indicates hydrocarbon pattern is present in the requested fuel quantitation range but does not resemble the pattern of the requested fuel
- 14 ORC removed
- 15 BTEX and MTBE by EPA Method 8260
- 16 Laboratory confirmed analytical result
- 17 The vial submitted did not have pH<2. The pH of this sample used for the undiluted analysis was pH = 3
- 18 Not sampled due to the presence of LNAPL in the well.
- 19 Sampled annually.
- 20 Sampled semi-annually
- 21 Inaccessible
- 22 Insufficient Water
- 23 Absorbent sock in well
- 24 Unable to access due to rain
- 25 Monitored only

Attachment A Monitoring Data Package



April 28, 2016

Chevron Environmental Management Company
Mark Horne
6101 Bollinger Canyon Rd.
San Ramon, CA 94583

First Quarter 2016 Monitoring at
Former Chevron Service Station 91153
3135 Gibbons Dr.
Alameda, CA

Monitoring performed on March 29, 2016

Blaine Tech Services, Inc. Groundwater Monitoring Event 160329-MK1

This submission covers the routine monitoring of groundwater wells conducted on March 29, 2016 at this location. Nine monitoring wells were measured for depth to groundwater (DTW). Nine monitoring wells were sampled. The spent sorbent sock in well C-1 was replaced with a new sorbent sock after the well was measured. The sorbent sock was placed in a drum and removed the same day by Belshire Environmental Services. All sampling activities were performed in accordance with local, state and federal guidelines.

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

First Quarter Groundwater Monitoring at Chevron 91153, 3135 Gibbons Dr., Alameda, CA

SAN JOSE

SACRAMENTO

LOS ANGELES

SAN DIEGO

1680 ROGERS AVENUE

SAN JOSE, CA 95112-1105

(408) 573-0555

FAX (408) 573-7771

LIC. 746684

www.blainetech.com

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

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

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

Please call if you have any questions.

Sincerely,



Dustin Becker
Blaine Tech Services, Inc.
Senior Project Manager

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

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

First Quarter Groundwater Monitoring at Chevron 91153, 3135 Gibbons Dr., Alameda, CA

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

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

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

SAMPLING PROCEDURES OVERVIEW

SAFETY

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

INSPECTION AND GAUGING

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

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

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

TRADITIONAL PURGING & SAMPLING

Evacuation

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

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

Parameter Stabilization

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

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

Sample Collection

All samples are collected using disposable bailers.

Sample Containers

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

Dewatered Wells

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

Measuring Recharge

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

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

Dissolved Oxygen Measurements

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

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

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

Oxidation Reduction Potential Measurements (ORP)

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

LOW FLOW SAMPLING USING SAMPLE-PRO BLADDER PUMP

Calibration

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

1. pH (use 3-point calibration of 7, 4, 10)
2. 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 # 160329-MW1 Date 3-29-16 Client Chewon

Site 3135 Gibbons dr. Alameda

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
G-1	0752	3					1.84	17.11	↓	M55 seal
G-3	0918	3				2.04	18.90			
MW-4	0742	2				2.58	12.80			
MW-5	0736	2				1.69	12.38			
MW-6	0721	2				2.62	13.50			
MW-7	0730	2				2.73	5.76			
MW-8	0740	2				2.45	9.20			
MW-9	0748	2				2.90	8.52			
MW-10	1045	2				2.92	8.94			

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>160329-MK1</u>	Station #: <u>9 1153</u>
Sampler: <u>MK</u>	Date: <u>3-29-16</u>
Weather: <u>Clear</u>	Ambient Air Temperature: <u>65°F</u>
Well I.D.: <u>17.4 in. C-1</u>	Well Diameter: 2 <u>(3)</u> 4 6 8 _____
Total Well Depth: <u>17.11</u>	Depth to Water: <u>1.84</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>5.37</u>	

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

5.6 2.4 ^{MK} (Gals.) X 3 = 72 ^{MK} Gals.
 1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	<u>0.04</u>	4"	0.65
2"	<u>0.16</u> ^{MK}	6"	1.47
3"	<u>0.37</u>	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
0907	62.8	6.84	916	640	MK 2.5 6.0	
0915	63.2	6.82	945	>1000	MK 5.0 11.5	
0925	63.2	6.83	946	>1000	MK 7.5 17.0	

Did well dewater? Yes No Gallons actually evacuated: 7.5

Sampling Date: 3-29-16 Sampling Time: 0935 Depth to Water: 4.92

Sample I.D.: C-1-W-162903 Laboratory: Lancaster Other: _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: Su. 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 #: 160329-MH1	Station #: 91153
Sampler: ET	Date: 3/29/16
Weather: Sunny	Ambient Air Temperature: 65°F
Well I.D.: L3	Well Diameter: 2 <u>3</u> 4 6 8
Total Well Depth: 18.90	Depth to Water: 2.04
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 5.41	

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

62 (Gals.) X 3 = 187 Gals.
 I Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
0921	57.7	8.32	642	>1000	65	cloudy/grey
0926	58.1	8.16	634	>1000	13	
0931	58.3	8.14	630	>1000	195	

Did well dewater? Yes No Gallons actually evacuated: 195

Sampling Date: 3/29/16 Sampling Time: 0940 Depth to Water: 5.05

Sample I.D.: L3W-162003 Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other: _____

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

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

O.R.P. (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 160729-MK1	Station #: 9 1153
Sampler: MK	Date: 3-29-16
Weather: Clear	Ambient Air Temperature: 65°F
Well I.D.: MW-4	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: 12.80	Depth to Water: 2.58
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 2.70	

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: _____

1.6 (Gals.) X 3 = 4.8 Gals.
 1 Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
0831	61.2	6.78	1203	67	2.0	
0835	62.4	6.73	1049	337	3.5	
0839	62.3	6.74	1054	529	5.0	

Did well dewater? Yes No Gallons actually evacuated: 5.0

Sampling Date: 3-29-16 Sampling Time: 0845 Depth to Water: 2.65

Sample I.D.: MW-4-w-162903 Laboratory: Lancaster Other _____

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

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 #: 160329-MK1	Station #: 9-1153
Sampler: MK	Date: 3-29-16
Weather: Clear	Ambient Air Temperature: 65°F
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 _____
Total Well Depth: 12.38	Depth to Water: 1.69
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]: 1.79	

Purge Method: _____ Sampling Method: Bailer

Bailer <input checked="" type="checkbox"/> Disposable Bailer Positive Air Displacement Electric Submersible	Waterra Peristaltic Extraction Pump Other: _____
--	---

Other: _____

$1.7 \text{ (Gals.)} \times 3 = 5.1 \text{ Gals.}$
 1 Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
0809	61.4	6.59	809	108	2.0	
0813	62.3	6.61	771	306	3.5	
0817	62.4	6.62	766	750	5.5	

Did well dewater? Yes No Gallons actually evacuated: 55

Sampling Date: 3-29-16 Sampling Time: 0822 Depth to Water: 1.77

Sample I.D.: MW-5-w-162103 Laboratory: (Lancaster) Other: _____

Analyzed for: TPH-G (BTEX) (MTBE) OXYS Other: Sa 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 #: 160329-MK1	Station #: 162005 91153
Sampler: PET	Date: 3/20/16
Weather: Sunny	Ambient Air Temperature: 65°F
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 _____
Total Well Depth: 1350	Depth to Water: 2.62
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]:	

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

17 (Gals.) X	3	= 5.2 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
0813	61.7	5.84	598	>1000	2	empty/brown
0816	62.4	6.34	611	>1000	4	
0819	62.1	6.35	620	>1000	6	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: 6	
Sampling Date: 3/20/16	Sampling Time: 0830	Depth to Water: 4.16
Sample I.D.: MW6-W-16298	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: <u>0.45</u> mg/L	Post-purge: _____ mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 160329-MKT1	Station #: 162903 91153
Sampler: EF	Date: 3/29/16
Weather: Sunny	Ambient Air Temperature: 65°F
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8
Total Well Depth: 5.78	Depth to Water: 2.73
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]: 3.34	

Purge Method:

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

Sampling Method:

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

0.48 (Gals.) X 3 = 1.46 Gals.
 1 Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
0840	63.6	7.06	930	505	0.5	odor/gr.y
0843	64.4	6.91	912	>1000	1.0	I
0846	64.1	6.89	910	>1000	1.5	I

Did well dewater? Yes No Gallons actually evacuated: 1.5

Sampling Date: 3/29/16 Sampling Time: 0850 Depth to Water: (2) 4.13 3.72

Sample I.D.: MW-7-W-162103 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: 0.38 mg/L Post-purge: _____ mg/L

O.R.P. (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 160379-M111	Station #: 91153
Sampler: ET	Date: 3/20/16
Weather: Sunny	Ambient Air Temperature: 66°F
Well I.D.: AWB	Well Diameter: ② 3 4 6 8
Total Well Depth: 9.20	Depth to Water: 2.45
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]: 3.80	

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: _____

1.05 (Gals.) X	3.0	= 3.2 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
1959	66.9	8.08	308	>1000	1.1	6 cloudy/1000 y
1002	67.2	7.70	309	>1000	2.2	I
1005	67.4	7.68	307	>1000	3.3	I

Did well dewater? Yes No Gallons actually evacuated: 3.3

Sampling Date: 3/29/16 Sampling Time: 1010 Depth to Water: 3.97

Sample I.D.: MW-8-W-162903 Laboratory: Lancaster Other _____

Analyzed for: TPH-G BTEX MTBE OXYS Other:

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

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

CHEVRON WELL MONITORING DATA SHEET

Project #: 160329-MK1	Station #: 9 1153
Sampler: MK	Date: 3-29-16
Weather: Clear	Ambient Air Temperature: 65° F
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8
Total Well Depth: 8.52	Depth to Water: 2.90
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]: 3.58	

Purge Method:

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

Sampling Method:

- Bailer
 Disposable Bailer
 Extraction Port
 Dedicated Tubing
 Other: _____

$$0.9 \text{ (Gals.)} \times 3 = 2.7 \text{ Gals.}$$
 1 Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
0957	62.4	7.39	1164	59	1.0	
0959	63.7	7.12	1141	7000	2.0	
1001	64.0	7.10	1135	7000	3.0	

Did well dewater? Yes No Gallons actually evacuated: 3.0

Sampling Date: 3-29-16 Sampling Time: 1011 Depth to Water: 3.03

Sample I.D.: MW-9-tw-162903 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 #: 160328-MK1	Station #: 41153
Sampler: ET	Date: 3/29/16
Weather: Sunny	Ambient Air Temperature: 66°F
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8
Total Well Depth: 894	Depth to Water: 2.92
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVE</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 4.12	

Purge Method:

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

Sampling Method:

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

$$0.96 \text{ (Gals.)} \times 3 = 2.9 \text{ Gals.}$$
 I Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	Gals. Removed	Observations
1046	66.0	5.73	241	7100	1	cloudy
1049	65.5	5.69	246	7100	2	
1052	65.4	5.75	247	7100	3	

Did well dewater? Yes No Gallons actually evacuated: 3
 Sampling Date: 3/29/16 Sampling Time: 1100 Depth to Water: 5.13 (Fr. H₂O)

Sample I.D.: MW-10-W-1603 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: 91153
 Chevron Site Global ID: T0600100330
 Chevron Site Address: 3135 Gibbons Dr., Alameda, CA
 Chevron PM: Mark Horne
 Chevron PM Phone No.: (925) 790-3964
 Retail and Terminal Business Unit (RTBU) Job
 Construction/Retail Job

Chevron Consultant: CRA
 Address: 2300 Clayton Rd., Ste 920, Concord, CA
 Consultant Contact: Nathan Lee
 Consultant Phone No. 925-849-1003
 Consultant Project No. 160329-MK-1
 Sampling Company: Blaine Tech Services
 Sampled By (Print): Matt Kresky
 Sampler Signature: *MKresky*

ANALYSES REQUIRED

<input type="checkbox"/> EPA 8260B/GC/MS TPH-LG	<input type="checkbox"/> EPA 8015B GRO	<input type="checkbox"/> EPA 8021B BTEX	<input type="checkbox"/> EPA 6010 Ca, Fe, K, Mg, Mn, Na	<input type="checkbox"/> EPA6010/7000 TITLE 22 METALS	<input type="checkbox"/> EPA150.1 PH	<input type="checkbox"/> SM2510B SPECIFIC CONDUCTIVITY	<input type="checkbox"/> EPA 418.1 TRPH	<input type="checkbox"/> EPA 8260 ETHANOL	<input type="checkbox"/> EPA 8015 TPH-D	<input checked="" type="checkbox"/> TPH-G
<input type="checkbox"/> OXYGENATES	<input type="checkbox"/> HC SCREEN	<input type="checkbox"/> DRO	<input type="checkbox"/> MTBE	<input type="checkbox"/> TLC	<input type="checkbox"/> ALKALINITY	<input type="checkbox"/> EPA 310.1	<input type="checkbox"/> EPA 413.1 OIL & GREASE			

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

Charge Code: NWR TB-0098247-0-OML
 NWR TB 00SITE NUMBER-0- WBS
 (WBS ELEMENTS:
 SITE ASSESSMENT: A1L REMEDIATION IMPLEMENTATION: R5L
 SITE MONITORING: OML OPERATION MAINTENANCE & MONITORING: M1L
 THIS IS A LEGAL DOCUMENT. ALL FIELDS MUST BE FILLED OUT
 CORRECTLY AND COMPLETELY.

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

Special Instructions
 Must meet 5.0 PPB
 detection limit by 8260

SAMPLE ID				Sample Time	# of Containers	Container Type
Field Point Name	Matrix	Top Depth	Date (yymmdd)			
QA	T		160329	0600	2	HCl Con
C-1-w-162903	W			0935	6	
C-3-w-162903				0940		
MW-4-w-162903				0845		
MW-5-w-162903				0822		
MW-6-w-162903				0830		
MW-7-w-162903				0850		
MW-8-w-162903				1010		
MW-9-w-162903				1011		
MW-10-w-162903	C			1100		

Temp. Blank Check Time	Temp.
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Notes/Comments

Relinquished By: <i>MKresky</i>	Company: <i>BTS</i>	Date/Time:	Relinquished To:	Company:	Date/Time:
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

Page 1 of 1

Client Cherion Date 3-29-16
 Site Address 3135 Gibbons dr Alameda
 Job Number 160329-MK1 Technician Mark Kresky

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
C-1		x	x							
C-3		x	x							
MW-4		x	x							
MW-5		x	x							
MW-6		x	x							
MW-7		x	x							
MW-8		x	x			2/3 bolts missing				
MW-9		x	x							
MW-10		x	x							

NOTES: MW-5, 2 Bolts missing, 2 Tabs broken, water in wellbox. MW-8 2 Bolts missing, 2 Tabs broken ^{info} wells
 MW-9 - 3 Bolts missing

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 GROUNDWATER 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 1153 Nathan Lee
 CHEVRON # _____ Chevron Engineer
335 Gibbs Dr. Alameda CA
 street number street name city state

WELL I.D.	GALS.	WELL I.D.	GALS.
C-1	17.5	MW-10	3.0
C-3	19.5	/	/
MW-4	5.0	/	/
MW-5	5.5	/	/
MW-6	6.0	/	/
MW-7	1.5	/	/
MW-8	3.3	/	/
MW-9	3.0	/	/
added equip. rinse water	0.7	any other adjustments	/

TOTAL GALS. RECOVERED 52 loaded onto BTS vehicle # 61

BTS event # 160329-MK1 time 1130 date 3 12 16

Transporter signature [Signature]

REC'D AT _____ time _____ date _____

Unloaded/received by signature _____

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

Report Date: April 11, 2016

Project: 91153

Submittal Date: 03/31/2016

Group Number: 1645799

PO Number: 0015194739

Release Number: HORNE

State of Sample Origin: CA

Client Sample Description

QA-T-160329 NA Water
C-1-W-160329 NA Water
C-3-W-160329 NA Water
MW-4-W-160329 NA Water
MW-5-W-160329 NA Water
MW-6-W-160329 NA Water
MW-7-W-160329 NA Water
MW-8-W-160329 NA Water
MW-9-W-160329 NA Water
MW-10-W-160329 NA Water

Lancaster Labs (LL) #

8311070
8311071
8311072
8311073
8311074
8311075
8311076
8311077
8311078
8311079

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
Electronic Copy To Chevron
Electronic Copy To Blaine Tech Services, Inc.
Electronic Copy To Chevron

Attn: Nathan Lee
Attn: Anna Avina
Attn: Dustin Becker
Attn: Report Contact

Respectfully Submitted,

A handwritten signature in black ink that reads "Amek Carter". The signature is written in a cursive style with a long horizontal stroke at the end of the last name.

Amek Carter
Specialist

(717) 556-7252

Sample Description: QA-T-160329 NA Water
Facility# 91153 BTST
3135 Gibbons-Alameda T0600100330

LL Sample # WW 8311070
LL Group # 1645799
Account # 10991

Project Name: 91153

Collected: 03/29/2016 06:00

Chevron

Submitted: 03/31/2016 09:20

6001 Bollinger Canyon Rd L4310

Reported: 04/11/2016 10:54

San Ramon CA 94583

GDAQA

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B						
10945	Benzene	71-43-2	N.D.	ug/l 0.5	ug/l 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						
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	ug/l 50	ug/l 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	Z160974AA	04/06/2016 22:22	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z160974AA	04/06/2016 22:22	Hu Yang	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	16095A53A	04/05/2016 12:07	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16095A53A	04/05/2016 12:07	Jeremy C Giffin	1

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

Sample Description: C-1-W-160329 NA Water
Facility# 91153 BTST
3135 Gibbons-Alameda T0600100330

LL Sample # WW 8311071
LL Group # 1645799
Account # 10991

Project Name: 91153

Collected: 03/29/2016 09:35 by MK

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 03/31/2016 09:20

Reported: 04/11/2016 10:54

GDAC1

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B						
10945	Benzene	71-43-2	5,200	ug/l	ug/l	
10945	Ethylbenzene	100-41-4	320	ug/l	ug/l	50
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	ug/l	ug/l	50
10945	Toluene	108-88-3	45 J	ug/l	ug/l	50
10945	Xylene (Total)	1330-20-7	220	ug/l	ug/l	50
GC Volatiles SW-846 8015B						
01728	TPH-GRO N. CA water C6-C12	n.a.	29,000	ug/l	ug/l	20

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	Z160974AA	04/07/2016 05:59	Hu Yang	50
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z160974AA	04/07/2016 05:59	Hu Yang	50
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	16095A53A	04/05/2016 21:16	Jeremy C Giffin	20
01146	GC VOA Water Prep	SW-846 5030B	1	16095A53A	04/05/2016 21:16	Jeremy C Giffin	20

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

Sample Description: C-3-W-160329 NA Water
Facility# 91153 BTST
3135 Gibbons-Alameda T0600100330

LL Sample # WW 8311072
LL Group # 1645799
Account # 10991

Project Name: 91153

Collected: 03/29/2016 09:40 by MK

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 03/31/2016 09:20

Reported: 04/11/2016 10:54

GDAC3

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B						
10945	Benzene	71-43-2	N.D.	ug/l 0.5	ug/l 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						
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	ug/l 50	ug/l 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	Z160974AA	04/06/2016 23:58	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z160974AA	04/06/2016 23:58	Hu Yang	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	16095A53A	04/05/2016 14:52	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16095A53A	04/05/2016 14:52	Jeremy C Giffin	1

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

Sample Description: MW-4-W-160329 NA Water
Facility# 91153 BTST
3135 Gibbons-Alameda T0600100330

LL Sample # WW 8311073
LL Group # 1645799
Account # 10991

Project Name: 91153

Collected: 03/29/2016 08:45 by MK

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 03/31/2016 09:20

Reported: 04/11/2016 10:54

GDAM4

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B						
10945	Benzene	71-43-2	N.D.	ug/l 0.5	ug/l 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						
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	ug/l 50	ug/l 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	Z160974AA	04/07/2016 00:22	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z160974AA	04/07/2016 00:22	Hu Yang	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	16095A53A	04/05/2016 15:19	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16095A53A	04/05/2016 15:19	Jeremy C Giffin	1

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

Sample Description: MW-5-W-160329 NA Water
Facility# 91153 BTST
3135 Gibbons-Alameda T0600100330

LL Sample # WW 8311074
LL Group # 1645799
Account # 10991

Project Name: 91153

Collected: 03/29/2016 08:22 by MK

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 03/31/2016 09:20

Reported: 04/11/2016 10:54

GDAM5

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B						
10945	Benzene	71-43-2	N.D.	ug/l 0.5	ug/l 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						
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	ug/l 50	ug/l 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	Z160974AA	04/07/2016 00:46	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z160974AA	04/07/2016 00:46	Hu Yang	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	16095A53A	04/05/2016 15:46	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16095A53A	04/05/2016 15:46	Jeremy C Giffin	1

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

Sample Description: MW-6-W-160329 NA Water
Facility# 91153 BTST
3135 Gibbons-Alameda T0600100330

LL Sample # WW 8311075
LL Group # 1645799
Account # 10991

Project Name: 91153

Collected: 03/29/2016 08:30 by MK

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 03/31/2016 09:20

Reported: 04/11/2016 10:54

GDAM6

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B						
10945	Benzene	71-43-2	N.D.	ug/l 0.5	ug/l 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						
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	ug/l 50	ug/l 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	Z160974AA	04/07/2016 01:10	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z160974AA	04/07/2016 01:10	Hu Yang	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	16095A53A	04/05/2016 16:14	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16095A53A	04/05/2016 16:14	Jeremy C Giffin	1

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

Sample Description: MW-7-W-160329 NA Water
Facility# 91153 BTST
3135 Gibbons-Alameda T0600100330

LL Sample # WW 8311076
LL Group # 1645799
Account # 10991

Project Name: 91153

Collected: 03/29/2016 08:50 by MK

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 03/31/2016 09:20

Reported: 04/11/2016 10:54

GDAM7

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B						
10945	Benzene	71-43-2	N.D.	ug/l 0.5	ug/l 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	0.7 J	0.5	1	1
GC Volatiles SW-846 8015B						
01728	TPH-GRO N. CA water C6-C12	n.a.	1,200	ug/l 50	ug/l 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	Z160974AA	04/07/2016 01:35	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z160974AA	04/07/2016 01:35	Hu Yang	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	16095A53A	04/05/2016 17:09	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16095A53A	04/05/2016 17:09	Jeremy C Giffin	1

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

Sample Description: MW-8-W-160329 NA Water
Facility# 91153 BTST
3135 Gibbons-Alameda T0600100330

LL Sample # WW 8311077
LL Group # 1645799
Account # 10991

Project Name: 91153

Collected: 03/29/2016 10:10 by MK

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 03/31/2016 09:20

Reported: 04/11/2016 10:54

GDAM8

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B						
10945	Benzene	71-43-2	N.D.	ug/l 0.5	ug/l 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						
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	ug/l 50	ug/l 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	Z160974AA	04/07/2016 01:59	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z160974AA	04/07/2016 01:59	Hu Yang	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	16095A53A	04/05/2016 17:36	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16095A53A	04/05/2016 17:36	Jeremy C Giffin	1

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

Sample Description: MW-9-W-160329 NA Water
Facility# 91153 BTST
3135 Gibbons-Alameda T0600100330

LL Sample # WW 8311078
LL Group # 1645799
Account # 10991

Project Name: 91153

Collected: 03/29/2016 10:11 by MK

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 03/31/2016 09:20

Reported: 04/11/2016 10:54

GDAM9

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B						
10945	Benzene	71-43-2	N.D.	ug/l 0.5	ug/l 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						
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	ug/l 50	ug/l 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	Z160974AA	04/07/2016 02:23	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z160974AA	04/07/2016 02:23	Hu Yang	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	16095D20A	04/05/2016 20:16	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16095D20A	04/05/2016 20:16	Jeremy C Giffin	1

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

Sample Description: MW-10-W-160329 NA Water
Facility# 91153 BTST
3135 Gibbons-Alameda T0600100330

LL Sample # WW 8311079
LL Group # 1645799
Account # 10991

Project Name: 91153

Collected: 03/29/2016 11:00 by MK

Chevron

6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

Submitted: 03/31/2016 09:20

Reported: 04/11/2016 10:54

GDA10

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B						
10945	Benzene	71-43-2	N.D.	ug/l 0.5	ug/l 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						
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	ug/l 50	ug/l 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	Z160974AA	04/07/2016 02:47	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Z160974AA	04/07/2016 02:47	Hu Yang	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	16095D20A	04/05/2016 20:43	Jeremy C Giffin	1
01146	GC VOA Water Prep	SW-846 5030B	1	16095D20A	04/05/2016 20:43	Jeremy C Giffin	1

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

Quality Control Summary

Client Name: Chevron
Reported: 04/11/2016 10:54

Group Number: 1645799

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 ug/l	MDL** ug/l	LOQ ug/l
Batch number: Z160974AA	Sample number(s): 8311070-8311079		
Benzene	N.D.	0.5	1
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: 16095A53A	Sample number(s): 8311070-8311077		
TPH-GRO N. CA water C6-C12	N.D.	50	100
Batch number: 16095D20A	Sample number(s): 8311078-8311079		
TPH-GRO N. CA water C6-C12	N.D.	50	100

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: Z160974AA	Sample number(s): 8311070-8311079								
Benzene	20	18.15	20	18.44	91	92	78-120	2	30
Ethylbenzene	20	17.77	20	17.92	89	90	78-120	1	30
Methyl Tertiary Butyl Ether	20	18.76	20	18.72	94	94	75-120	0	30
Toluene	20	18.69	20	18.68	93	93	80-120	0	30
Xylene (Total)	60	56.83	60	57.11	95	95	80-120	0	30
	ug/l	ug/l	ug/l	ug/l					
Batch number: 16095A53A	Sample number(s): 8311070-8311077								
TPH-GRO N. CA water C6-C12	1100	1016.97	1100	1025.31	92	93	77-120	1	30
Batch number: 16095D20A	Sample number(s): 8311078-8311079								
TPH-GRO N. CA water C6-C12	1100	1087.02	1100	1080.19	99	98	77-120	1	30

*- Outside of specification

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

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

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
Reported: 04/11/2016 10:54

Group Number: 1645799

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
Batch number: Z160974AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8311070	100	97	92	92
8311071	99	97	94	94
8311072	99	97	93	92
8311073	99	98	93	90
8311074	100	98	93	90
8311075	100	98	94	92
8311076	98	97	94	95
8311077	100	99	92	90
8311078	101	97	93	92
8311079	100	98	93	91
Blank	98	97	93	90
LCS	98	97	94	95
LCSD	98	98	94	96
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 16095A53A

	Trifluorotoluene-F
8311070	97
8311071	105
8311072	97
8311073	97
8311074	110
8311075	106
8311076	118
8311077	95
Blank	95
LCS	106
LCSD	106
Limits:	63-135

Analysis Name: TPH-GRO N. CA water C6-C12
Batch number: 16095D20A

	Trifluorotoluene-F
8311078	89
8311079	91
Blank	88
LCS	98
LCSD	84
Limits:	63-135

*- Outside of specification

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

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

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.

CHAIN OF CUSTODY FORM

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

COC 1 of 1

Chevron Site Number: <u>91153</u> Chevron Site Global ID: <u>T0600100330</u> Chevron Site Address: <u>3135 Gibbons Dr., Alameda, CA</u> Chevron PM: <u>Mark Horne</u> Chevron PM Phone No.: <u>(925) 790-3964</u> <input checked="" type="checkbox"/> Retail and Terminal Business Unit (RTBU) Job <input checked="" type="checkbox"/> Construction/Retail Job				Chevron Consultant: <u>CRA</u> Address: <u>2300 Clayton Rd., Ste 920, Concord, CA</u> Consultant Contact: <u>Nathan Lee</u> Consultant Phone No. <u>925-849-1003</u> Consultant Project No. <u>160329-MK1</u> Sampling Company: <u>Blaine Tech Services</u> Sampled By (Print): <u>Matt Kresky</u> Sampler Signature: <u>MK</u>				ANALYSES REQUIRED														
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 <input checked="" type="checkbox"/> Lancaster, PA Lab Contact: Nicole Maljovec 2425 New Holland Pike, Lancaster, PA 17601 Phone No: (717)656-2300		Other Lab _____ _____ _____ _____		Temp. Blank Check Time Temp. _____ _____ _____ _____		H <input type="checkbox"/> H <input type="checkbox"/>	EPA 8260B/GC/MS TPH-G <input type="checkbox"/> BTEX <input checked="" type="checkbox"/> MTBE <input checked="" type="checkbox"/> OXYGENATES <input type="checkbox"/> HVOC <input type="checkbox"/>	EPA 8015B GRO <input checked="" type="checkbox"/> DRO <input type="checkbox"/> ORO <input type="checkbox"/> HC-SCREEN <input type="checkbox"/>	EPA 8021B BTEX <input type="checkbox"/> MTBE <input type="checkbox"/>	EPA 6010 Ca, Fe, K, Mg, Mn, Na	EPA 6010/7000 TITLE 22 METALS <input type="checkbox"/> TTLC <input type="checkbox"/> STLC <input type="checkbox"/>	EPA 150.1 PH <input type="checkbox"/>	SM2510B SPECIFIC CONDUCTIVITY	EPA 418.1 TRPH <input type="checkbox"/>	EPA 8260 ETHANOL	EPA 8015 TPH-D <input type="checkbox"/>	EPA 413.1 OIL & GREASE <input type="checkbox"/>	Preservation Codes H = HCL T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other <u>10991</u> <u>1645799</u> <u>8311070-79</u>
SAMPLE ID				Sample Time	# of Containers	Container Type	EPA 8260B/GC/MS TPH-G <input type="checkbox"/> BTEX <input checked="" type="checkbox"/> MTBE <input checked="" type="checkbox"/> OXYGENATES <input type="checkbox"/> HVOC <input type="checkbox"/>	EPA 8015B GRO <input checked="" type="checkbox"/> DRO <input type="checkbox"/> ORO <input type="checkbox"/> HC-SCREEN <input type="checkbox"/>	EPA 8021B BTEX <input type="checkbox"/> MTBE <input type="checkbox"/>	EPA 6010 Ca, Fe, K, Mg, Mn, Na	EPA 6010/7000 TITLE 22 METALS <input type="checkbox"/> TTLC <input type="checkbox"/> STLC <input type="checkbox"/>	EPA 150.1 PH <input type="checkbox"/>	SM2510B SPECIFIC CONDUCTIVITY	EPA 418.1 TRPH <input type="checkbox"/>	EPA 8260 ETHANOL	EPA 8015 TPH-D <input type="checkbox"/>	EPA 413.1 OIL & GREASE <input type="checkbox"/>	Special Instructions Must meet 5.0 PPB detection limit by 8260	Notes/Comments			
Field Point Name	Matrix	Top Depth	Date (yyymmdd)	Sample Time	# of Containers	Container Type	EPA 8260B/GC/MS TPH-G <input type="checkbox"/> BTEX <input checked="" type="checkbox"/> MTBE <input checked="" type="checkbox"/> OXYGENATES <input type="checkbox"/> HVOC <input type="checkbox"/>	EPA 8015B GRO <input checked="" type="checkbox"/> DRO <input type="checkbox"/> ORO <input type="checkbox"/> HC-SCREEN <input type="checkbox"/>	EPA 8021B BTEX <input type="checkbox"/> MTBE <input type="checkbox"/>	EPA 6010 Ca, Fe, K, Mg, Mn, Na	EPA 6010/7000 TITLE 22 METALS <input type="checkbox"/> TTLC <input type="checkbox"/> STLC <input type="checkbox"/>	EPA 150.1 PH <input type="checkbox"/>	SM2510B SPECIFIC CONDUCTIVITY	EPA 418.1 TRPH <input type="checkbox"/>	EPA 8260 ETHANOL	EPA 8015 TPH-D <input type="checkbox"/>	EPA 413.1 OIL & GREASE <input type="checkbox"/>	Preservation Codes H = HCL T = Thiosulfate N = HNO ₃ B = NaOH S = H ₂ SO ₄ O = Other <u>10991</u> <u>1645799</u> <u>8311070-79</u>	Notes/Comments			
Relinquished By <u>MK</u>	Company <u>BTS</u>	Date/Time: <u>3/29/16/1630</u>	Relinquished To <u>[Signature]</u>	Company <u>BTS</u>	Date/Time <u>3/29/16/1630</u>	Turnaround Time: Standard <input checked="" type="checkbox"/> 24 Hours <input type="checkbox"/> 48 hours <input type="checkbox"/> 72 Hours <input type="checkbox"/> Other <input type="checkbox"/>	Relinquished By <u>[Signature]</u>	Company <u>BTS</u>	Date/Time <u>3/30/16/1500</u>	Relinquished To <u>[Signature]</u>	Company <u>ELLE</u>	Date/Time <u>3/31/16 0920</u>	Sample Integrity: (Check by lab on arrival) Intact: <input checked="" type="checkbox"/> On Ice: <input checked="" type="checkbox"/> Temp: <u>3-3-2.1</u>	Relinquished By <u>[Signature]</u>	Company <u>BTS</u>	Date/Time <u>3/30/16/1500</u>	Relinquished To <u>[Signature]</u>	Company <u>ELLE</u>	Date/Time <u>3/31/16 0920</u>	COC #		

* SHIPPED VIA UPS

Client: Chevron
MK-1
Delivery and Receipt Information

Delivery Method:	<u>UPS</u>	Arrival Timestamp:	<u>03/31/2016 9:20</u>
Number of Packages:	<u>2</u>	Number of Projects:	<u>2</u>
State/Province of Origin:	<u>CA</u>		

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 \geq 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 Krista Abel (3058) at 09:59 on 03/31/2016

Samples Chilled Details: MK-1

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

<u>Cooler #</u>	<u>Thermometer ID</u>	<u>Corrected Temp</u>	<u>Therm. Type</u>	<u>Ice Type</u>	<u>Ice Present?</u>	<u>Ice Container</u>	<u>Elevated Temp?</u>
1	DT146	3.3	DT	Wet	Y	Bagged	N
2	DT146	2.1	DT	Wet	Y	Bagged	N

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 \geq 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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Attachment C

Sorbent Sock Data



CONESTOGA-ROVERS
& ASSOCIATES

SORBENT SOCK EVALUATION FORM

Name: <u>Matthew Krosky</u>	Date: <u>3/29/16</u>	Project Number: <u>160329-MIK1</u>
Site Address: <u>3135 Gibbins Dr., Alameda</u>	Well ID: <u>C-1</u>	Weather: <u>Clear</u>

1) Time absorbent sock removed from well for inspection: 0745

2) Condition of sock:

a) Length of sock showing product saturation: 5"

b) Length of sock showing dryness: 15"

c) Color of sock showing product saturation: Brown / Lt. Grey

d) Weight of the removed sock: 13oz / 0.81 lbs / 0.37 kg

e) Weight of a new/clean/dry sock: 6oz / 0.38 lbs / 0.17 kg

f) Difference in weight: (D-E) to 0.01 ounces. 7oz / 0.43 lbs / 0.20 kg

3) Picture of sock removed from well taken:

4) Sock removed from well deposited into a waste drum:

-Is drum labeled? YES

How full is drum? (%) 10%

5) After at least 15 minutes after removing the sock from the well, measure (to 0.01 ft) from the top of the well casing. :

a) Depth to product:

b) Depth to water: 1.84

c) Thickness of product: (b-a)

6) Size and type of sock installed 2" x 20" RIGID PIB SOCK

7) Comments: