



**Dave Patten**  
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Marketing Business Unit

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**RECEIVED**

By Alameda County Environmental Health 8:59 am, Mar 01, 2017

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

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

I have reviewed the attached report titled *Fourth 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, appearing to read 'D. Patten', written over a light blue horizontal line.

Dave Patten  
Project Manager

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



February 24, 2017

Reference No. 311642

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

**Re: Fourth 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:

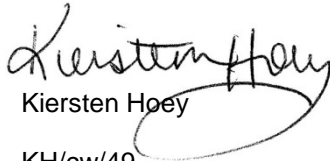
GHD Services Inc. (GHD) is submitting this *Fourth Quarter 2016 Groundwater Monitoring and Sampling Report* for the site referenced above (Figure 1) on behalf of Chevron Environmental Management Company (Chevron). Groundwater monitoring was performed by Blaine Tech Services (Blaine Tech) of San Jose, California and their *Fourth 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. The sorbent sock in well C-1 was removed and replaced per the established schedule. Sorbent sock field measurements are included as Attachment C.



Please contact Dave Patten of Chevron at (925) 842-7877 or Kiersten Hoey of GHD at (510) 510-3347 if you have any questions or require additional information.

Regards,

GHD

  
Kiersten Hoey

KH/cw/49  
Encl.

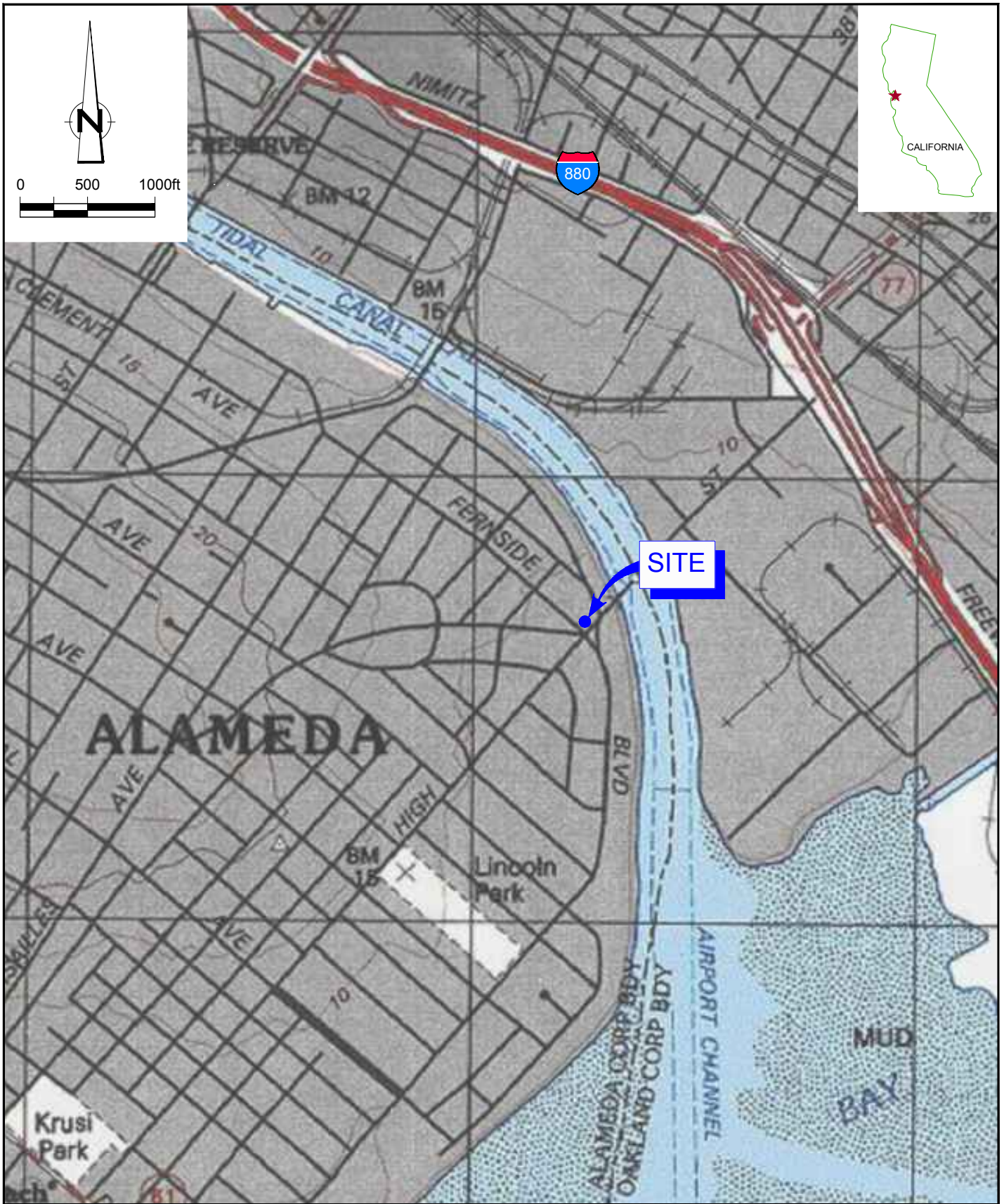
  
Brandon S. Wilken, PG 7564



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

cc: Mr. Dave Patten, Chevron EMC (*electronic copy*)  
Mr. Mark Hom, Property Owner

# Figures



SOURCE: TOPO! MAPS



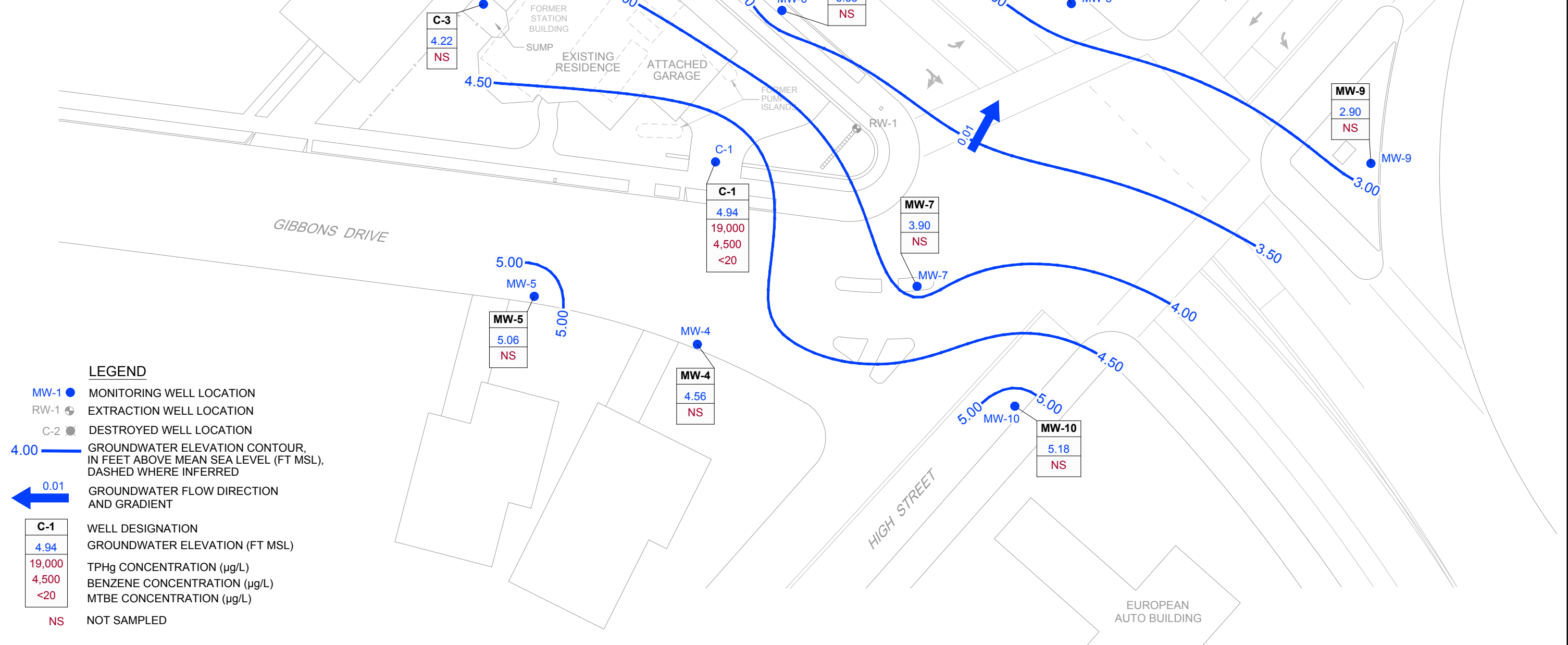
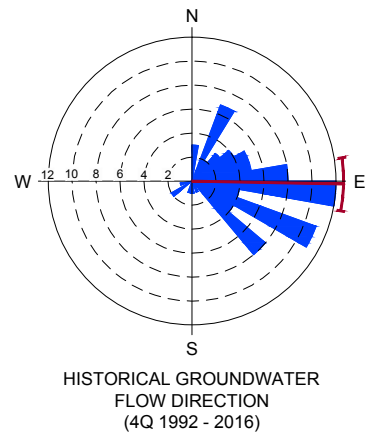
FORMER CHEVRON-BRANDED SERVICE STATION 91153  
 3135 GIBBONS DRIVE (3126 FERNSIDE BOULEVARD)  
 ALAMEDA, CALIFORNIA

311642-95  
 Jan 25, 2017

VICINITY MAP

FIGURE 1





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

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

311642-95

Feb 13, 2017

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	TOC	DTW	GWE	LNAPLT	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	
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	-	-	-	-	-	-	-	-
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	-



**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				
						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
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	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-

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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 SW8260
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
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	-	-	-	-	-	-	-
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

Table 1

**Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 91153  
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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 SW8260
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
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 <sup>2</sup> / <sub>&lt;2.5</sub>
C-1	07/29/1999	7.50	3.76	3.76	0.02	-	-	-	-	-	-	-
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 <sup>18,**</sup>	7.50	2.45	5.26	0.26	-	-	-	-	-	-	-
C-1	05/18/2001**	7.50	2.70	5.27	0.59	-	-	-	-	-	-	-

Table 1

**Groundwater Monitoring and Sampling Data  
Former Chevron Service Station 91153  
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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
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 <sup>18,**</sup>	7.50	4.34	3.22	0.07	-	-	-	-	-	-	-
C-1	09/17/2001**	7.50	4.39	3.17	0.08	-	-	-	-	-	-	-
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 <sup>18,**</sup>	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 <sup>18,**</sup>	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 <sup>18,**</sup>	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 <sup>18,**</sup>	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 <sup>18,**</sup>	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 <sup>18,**</sup>	7.50	4.29	3.39	0.22	-	-	-	-	-	-	-
C-1	09/26/2003**	7.50	4.60	3.05	0.19	-	-	-	-	-	-	-
C-1	10/18/2003**	7.50	4.72	2.90	0.15	-	-	-	-	-	-	-

**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 SW8260
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
C-1	11/14/2003 <sup>18,**</sup>	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 <sup>**</sup>	7.50	4.19	3.32	0.01	-	-	-	-	-	-	-
C-1	02/13/2004 <sup>18,**</sup>	7.50	3.04	4.49	0.04	-	-	-	-	-	-	-
C-1	03/11/2004 <sup>**</sup>	7.50	1.85	5.97	0.40	-	-	-	-	-	-	-
C-1	04/22/2004 <sup>**</sup>	7.50	3.08	4.60	0.22	-	-	-	-	-	-	-
C-1	05/14/2004 <sup>18,**</sup>	7.50	3.49	4.03	0.03	-	-	-	-	-	-	-
C-1	06/18/2004 <sup>**</sup>	7.50	3.41	4.19	0.13	-	-	-	-	-	-	-
C-1	07/23/2004 <sup>**</sup>	7.50	3.28	4.31	0.11	-	-	-	-	-	-	-
C-1	08/13/2004 <sup>18,**</sup>	7.50	3.14	4.40	0.05	-	-	-	-	-	-	-
C-1	09/13/2004 <sup>**</sup>	7.50	4.53	3.04	0.09	-	-	-	-	-	-	-
C-1	10/22/2004 <sup>**</sup>	7.50	3.19	4.33	0.03	-	-	-	-	-	-	-
C-1	11/12/2004 <sup>18,**</sup>	7.50	3.22	4.30	0.03	-	-	-	-	-	-	-
C-1	12/02/2004 <sup>**</sup>	7.50	3.28	4.24	0.02	-	-	-	-	-	-	-
C-1	01/28/2005 <sup>**</sup>	7.50	3.19	4.32	0.01	-	-	-	-	-	-	-
C-1	02/11/2005 <sup>18,**</sup>	7.50	2.75	4.78	0.04	-	-	-	-	-	-	-
C-1	03/11/2005 <sup>**</sup>	7.50	2.94	4.58	0.03	-	-	-	-	-	-	-
C-1	04/26/2005 <sup>**</sup>	7.50	3.03	4.49	0.02	-	-	-	-	-	-	-
C-1	05/13/2005 <sup>18,**</sup>	7.50	3.18	4.34	0.02	-	-	-	-	-	-	-
C-1	06/01/2005 <sup>**</sup>	7.50	3.22	4.30	0.02	-	-	-	-	-	-	-
C-1	07/15/2005 <sup>**</sup>	7.50	3.09	4.43	0.02	-	-	-	-	-	-	-
C-1	08/19/2005 <sup>18,**</sup>	7.50	2.88	4.64	0.03	-	-	-	-	-	-	-
C-1	09/23/2005 <sup>**</sup>	7.50	2.95	4.57	0.02	-	-	-	-	-	-	-
C-1	10/14/2005 <sup>**</sup>	7.50	3.01	4.50	0.01	-	-	-	-	-	-	-
C-1	11/18/2005 <sup>18,**</sup>	7.50	3.21	4.31	0.02	-	-	-	-	-	-	-
C-1	12/09/2005 <sup>**</sup>	7.50	3.61	3.90	0.01	-	-	-	-	-	-	-
C-1	01/12/2006 <sup>**</sup>	7.50	2.98	4.53	0.01	-	-	-	-	-	-	-
C-1	02/10/2006 <sup>15,**</sup>	7.50	2.69	4.82	0.01	-	100,000	11,000	2,500	2,900	15,000	<10
C-1	03/13/2006 <sup>**</sup>	7.50	2.81	4.70	0.01	-	-	-	-	-	-	-

**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				
						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
C-1	04/13/2006**	7.50	2.75	4.76	0.01	-	-	-	-	-	-	-
C-1	05/12/2006 <sup>18,**</sup>	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 <sup>15,**</sup>	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 <sup>18,**</sup>	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 <sup>15</sup>	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 <sup>15,**</sup>	7.50	3.05	4.46	0.01	-	110,000 <sup>16</sup>	12,000 <sup>16</sup>	1,000 <sup>16</sup>	2,000 <sup>16</sup>	15,000 <sup>16</sup>	<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 <sup>18,**</sup>	7.50	3.24	4.28	0.02	-	-	-	-	-	-	-
C-1	09/14/2007**	7.50	3.16	4.35	0.01	-	-	-	-	-	-	-
C-1	10/16/2007**	7.50	3.04	4.47	0.01	-	-	-	-	-	-	-
C-1	11/08/2007 <sup>15,**</sup>	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 <sup>15,**</sup>	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 <sup>18,**</sup>	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	-	-	-	-	-	-	-

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				
						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
C-1	09/11/2008 <sup>18,**</sup>	7.50	4.22	3.61	0.41	-	-	-	-	-	-	-
C-1	10/17/2008 <sup>**</sup>	7.50	4.16	3.60	0.33	-	-	-	-	-	-	-
C-1	11/10/2008 <sup>18,**</sup>	7.50	4.05	3.54	0.11	-	-	-	-	-	-	-
C-1	12/15/2008 <sup>**</sup>	7.50	3.85	3.69	0.05	-	-	-	-	-	-	-
C-1	01/21/2009 <sup>**</sup>	7.50	3.91	3.62	0.04	-	-	-	-	-	-	-
C-1	02/09/2009 <sup>15,**</sup>	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 <sup>18</sup>	7.50	4.03	3.50	0.04	-	-	-	-	-	-	-
C-1	11/11/2010 <sup>18,**</sup>	7.50	3.82	3.70	0.03	-	-	-	-	-	-	-
C-1	03/02/2011 <sup>18,**</sup>	7.50	1.12	6.41	0.04	-	-	-	-	-	-	-
C-1	06/17/2011 <sup>18,**</sup>	7.50	3.00	4.51	0.01	-	-	-	-	-	-	-
C-1	09/08/2011 <sup>18,**</sup>	7.50	3.60	3.92	0.02	-	-	-	-	-	-	-
C-1	12/29/2011 <sup>18,**</sup>	7.50	4.14	3.37	0.01	-	-	-	-	-	-	-
C-1	03/28/2012 <sup>18,**</sup>	7.50	1.01	6.52	0.04	-	-	-	-	-	-	-
C-1	05/31/2012 <sup>18,**</sup>	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 <sup>18,**</sup>	7.50	2.20	5.32	0.02	-	-	-	-	-	-	-
C-1	03/29/2013 <sup>18,**</sup>	7.50	3.20	4.33	0.04	-	-	-	-	-	-	-
C-1	06/28/2013 <sup>18,**</sup>	7.50	3.90	3.61	0.01	-	-	-	-	-	-	-
C-1	09/20/2013 <sup>18,**</sup>	7.50	4.73	2.79	0.02	-	-	-	-	-	-	-
C-1	12/30/2013 <sup>18,**</sup>	7.50	4.41	3.10	0.01	-	-	-	-	-	-	-
C-1	03/31/2014 <sup>18,**</sup>	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 <sup>18,**</sup>	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



**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				
						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
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 <sup>18</sup>	7.50	5.11	2.41	0.02	-	-	-	-	-	-	-
C-1	12/22/2015 <sup>18,23**</sup>	7.50	3.79	3.73	0.02	-	-	-	-	-	-	-
C-1	03/29/2016 <sup>23</sup>	7.50	1.84	5.66	0.00	-	29,000	5,200	45 J	320	220	<50
C-1	06/21/2016 <sup>23</sup>	7.50	4.34	3.16	0.00	-	37,000	4,800	62	560	420	<10
C-1	10/18/2016 <sup>23</sup>	7.50	4.60	2.90	0.00	-	8,100	510	8	10	46	<5
<b>C-1</b>	<b>12/29/2016<sup>23</sup></b>	<b>7.50</b>	<b>2.56</b>	<b>4.94</b>	<b>0.00</b>	-	<b>19,000</b>	<b>4,500</b>	<b>25</b>	<b>120</b>	<b>120</b>	<b>&lt;20</b>
C-3	08/18/1986	-	4.00	-	-	-	-	-	-	-	-	-
C-3	09/04/1986	-	-	-	-	-	50	3.2	5.4	5.8	-	-
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	-

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**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				
						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
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
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 <sup>19</sup>	7.83	-	-	-	-	-	-	-	-	-	-
C-3	07/03/2000	7.83	-	-	-	-	-	-	-	-	-	-
C-3	10/23/2000	7.83	-	-	-	-	-	-	-	-	-	-
C-3	01/08/2001 <sup>11</sup>	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 <sup>19</sup>	7.83	-	-	-	-	-	-	-	-	-	-
C-3	11/27/2001 <sup>19</sup>	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 <sup>19</sup>	7.83	-	-	-	-	-	-	-	-	-	-
C-3	08/09/2002 <sup>19</sup>	7.83	-	-	-	-	-	-	-	-	-	-
C-3	11/08/2002 <sup>19</sup>	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

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				
						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
C-3	05/09/2003 <sup>19</sup>	7.83	-	-	-	-	-	-	-	-	-	-
C-3	08/15/2003 <sup>19</sup>	7.83	-	-	-	-	-	-	-	-	-	-
C-3	11/14/2003 <sup>19</sup>	7.83	-	-	-	-	-	-	-	-	-	-
C-3	02/13/2004 <sup>15</sup>	7.83	2.81	5.02	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
C-3	05/14/2004 <sup>19</sup>	7.83	-	-	-	-	-	-	-	-	-	-
C-3	11/12/2004 <sup>19</sup>	7.83	-	-	-	-	-	-	-	-	-	-
C-3	02/11/2005 <sup>15</sup>	7.83	2.58	5.25	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
C-3	05/13/2005 <sup>19</sup>	7.83	-	-	-	-	-	-	-	-	-	-
C-3	08/19/2005 <sup>19</sup>	7.83	-	-	-	-	-	-	-	-	-	-
C-3	11/18/2005 <sup>19</sup>	7.83	-	-	-	-	-	-	-	-	-	-
C-3	02/10/2006 <sup>15</sup>	7.83	2.52	5.31	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
C-3	05/12/2006 <sup>19</sup>	7.83	-	-	-	-	-	-	-	-	-	-
C-3	08/11/2006 <sup>19</sup>	7.83	-	-	-	-	-	-	-	-	-	-
C-3	11/17/2006 <sup>19</sup>	7.83	-	-	-	-	-	-	-	-	-	-
C-3	02/16/2007 <sup>15</sup>	7.83	2.63	5.20	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
C-3	05/17/2007 <sup>19</sup>	7.83	-	-	-	-	-	-	-	-	-	-
C-3	08/09/2007 <sup>19</sup>	7.83	-	-	-	-	-	-	-	-	-	-
C-3	11/08/2007 <sup>19</sup>	7.83	-	-	-	-	-	-	-	-	-	-
C-3	02/06/2008 <sup>15</sup>	7.83	2.91	4.92	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
C-3	05/07/2008 <sup>19</sup>	7.83	-	-	-	-	-	-	-	-	-	-
C-3	09/11/2008 <sup>19</sup>	7.83	-	-	-	-	-	-	-	-	-	-
C-3	11/10/2008 <sup>19</sup>	7.83	-	-	-	-	-	-	-	-	-	-
C-3	02/09/2009 <sup>15</sup>	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	-	-	-	-	-	-	-
C-3	08/26/2010 <sup>19</sup>	7.83	4.29	3.54	0.00	-	-	-	-	-	-	-
C-3	11/11/2010 <sup>19</sup>	7.83	4.48	3.35	0.00	-	-	-	-	-	-	-
C-3	03/02/2011 <sup>19</sup>	7.83	1.45	6.38	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
C-3	06/17/2011 <sup>19</sup>	7.83	3.24	4.59	0.00	-	-	-	-	-	-	-

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				
						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
C-3	09/08/2011 <sup>19</sup>	7.83	4.02	3.81	0.00	-	-	-	-	-	-	-
C-3	12/29/2011 <sup>19</sup>	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 <sup>19</sup>	7.83	3.40	4.43	0.00	-	-	-	-	-	-	-
C-3	09/28/2012 <sup>19</sup>	7.83	4.72	3.11	0.00	-	-	-	-	-	-	-
C-3	12/21/2012 <sup>19</sup>	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 <sup>25</sup>	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
C-3	06/21/2016	7.83	4.25	3.58	0.00	-	-	-	-	-	-	-
C-3	10/18/2016	7.83	4.82	3.01	0.00	-	-	-	-	-	-	-
<b>C-3</b>	<b>12/29/2016<sup>19</sup></b>	<b>7.83</b>	<b>3.61</b>	<b>4.22</b>	<b>0.00</b>	-	-	-	-	-	-	-
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	-

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				
						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
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
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 <sup>19</sup>	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	07/03/2000	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	10/23/2000	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	01/08/2001 <sup>11</sup>	7.01	3.02	3.99	0.00	-	87 <sup>12</sup>	<0.50	<0.50	0.55	2.9	<2.5
MW-4	04/09/2001	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	08/23/2001 <sup>19</sup>	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	11/27/2001 <sup>19</sup>	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

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 SW8260
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-4	05/23/2002 <sup>19</sup>	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	08/09/2002 <sup>19</sup>	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	11/08/2002 <sup>19</sup>	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 <sup>19</sup>	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	08/15/2003 <sup>19</sup>	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	11/14/2003 <sup>19</sup>	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	02/13/2004 <sup>15</sup>	7.01	1.82	5.19	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-4	05/14/2004 <sup>19</sup>	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	11/12/2004 <sup>19</sup>	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	02/11/2005 <sup>15</sup>	7.01	1.46	5.55	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-4	05/13/2005 <sup>19</sup>	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	08/19/2005 <sup>19</sup>	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	11/18/2005 <sup>19</sup>	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	02/10/2006 <sup>15</sup>	7.01	1.35	5.66	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-4	05/12/2006 <sup>19</sup>	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	08/11/2006 <sup>19</sup>	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	11/17/2006 <sup>19</sup>	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	02/16/2007 <sup>15</sup>	7.01	1.48	5.53	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-4	05/17/2007 <sup>19</sup>	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	08/09/2007 <sup>19</sup>	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	11/08/2007 <sup>19</sup>	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	02/06/2008 <sup>15</sup>	7.01	1.27	5.74	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-4	05/07/2008 <sup>19</sup>	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	09/11/2008 <sup>19</sup>	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	11/10/2008 <sup>19</sup>	7.01	-	-	-	-	-	-	-	-	-	-
MW-4	02/09/2009 <sup>15</sup>	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	-	-	-	-	-	-	-

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**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				
						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
MW-4	08/26/2010 <sup>19</sup>	7.01	3.70	3.31	0.00	-	-	-	-	-	-	-
MW-4	11/11/2010 <sup>19</sup>	7.01	3.98	3.03	0.00	-	-	-	-	-	-	-
MW-4	03/02/2011 <sup>19</sup>	7.01	0.75	6.26	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-4	06/17/2011 <sup>19</sup>	7.01	2.36	4.65	0.00	-	-	-	-	-	-	-
MW-4	09/08/2011 <sup>19</sup>	7.01	3.36	3.65	0.00	-	-	-	-	-	-	-
MW-4	12/29/2011 <sup>19</sup>	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 <sup>19</sup>	7.01	1.62	5.39	0.00	-	-	-	-	-	-	-
MW-4	09/28/2012 <sup>19</sup>	7.01	3.70	3.31	0.00	-	-	-	-	-	-	-
MW-4	12/21/2012 <sup>19</sup>	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
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
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
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
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 <sup>25</sup>	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
MW-4	06/21/2016	7.01	3.62	3.39	0.00	-	-	-	-	-	-	-
MW-4	10/18/2016 <sup>19</sup>	7.01	4.25	2.76	0.00	-	-	-	-	-	-	-
<b>MW-4</b>	<b>12/29/2016<sup>19</sup></b>	<b>7.01</b>	<b>2.45</b>	<b>4.56</b>	<b>0.00</b>	-	-	-	-	-	-	-
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	-



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**Former Chevron Service Station 91153**  
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**Alameda, California**

Location	Date	TOC	DTW	GWE	LNAPLT	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
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	-
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 <sup>21</sup>	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 <sup>20</sup>	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 <sup>2</sup> / <sub>5.0</sub>
MW-5	10/13/1999 <sup>21</sup>	7.04	-	-	-	-	-	-	-	-	-	-

**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				
						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
MW-5	01/25/2000	7.04	1.51	5.53	0.00	-	169	1.94	<0.5	<0.5	<0.5	201
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 <sup>6,10</sup>	5.3	1.1	<0.50	<0.50	5.0
MW-5	10/23/2000	7.04	4.18	2.86	0.00	-	-	-	-	-	-	-
MW-5	01/08/2001 <sup>11</sup>	7.04	2.92	4.12	0.00	-	220 <sup>6</sup>	3.9	<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	43
MW-5	11/27/2001 <sup>20</sup>	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
MW-5	05/23/2002 <sup>20</sup>	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
MW-5	11/08/2002 <sup>20</sup>	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
MW-5	05/09/2003 <sup>20</sup>	7.04	1.25	5.79	0.00	-	-	-	-	-	-	-
MW-5	08/15/2003 <sup>15</sup>	7.04	3.61	3.43	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	11/14/2003 <sup>20</sup>	7.04	3.57	3.47	0.00	-	-	-	-	-	-	-
MW-5	02/13/2004 <sup>15</sup>	7.04	1.50	5.54	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	05/14/2004 <sup>20</sup>	7.04	2.47	4.57	0.00	-	-	-	-	-	-	-
MW-5	08/13/2004 <sup>15</sup>	7.04	5.46	1.58	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	11/12/2004 <sup>20</sup>	7.04	4.65	2.39	0.00	-	-	-	-	-	-	-
MW-5	02/11/2005 <sup>15</sup>	7.04	1.20	5.84	0.00	-	130	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	05/13/2005 <sup>20</sup>	7.04	4.36	2.68	0.00	-	-	-	-	-	-	-
MW-5	08/19/2005 <sup>15</sup>	7.04	2.78	4.26	0.00	-	96	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	11/18/2005 <sup>20</sup>	7.04	4.51	2.53	0.00	-	-	-	-	-	-	-
MW-5	02/10/2006 <sup>15</sup>	7.04	1.12	5.92	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	05/12/2006 <sup>20</sup>	7.04	2.23	4.81	0.00	-	-	-	-	-	-	-
MW-5	08/11/2006 <sup>15</sup>	7.04	3.40	3.64	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	11/17/2006 <sup>20</sup>	7.04	4.16	2.88	0.00	-	-	-	-	-	-	-
MW-5	02/16/2007 <sup>15</sup>	7.04	1.22	5.82	0.00	-	<50	<0.5	<0.7	<0.8	<0.8	<0.5

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**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				
						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
MW-5	05/17/2007 <sup>20</sup>	7.04	4.06	2.98	0.00	-	-	-	-	-	-	-
MW-5	08/09/2007 <sup>15</sup>	7.04	3.61	3.43	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	11/08/2007 <sup>20</sup>	7.04	3.70	3.34	0.00	-	-	-	-	-	-	-
MW-5	02/06/2008 <sup>15</sup>	7.04	1.06	5.98	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	05/07/2008 <sup>20</sup>	7.04	3.57	3.47	0.00	-	-	-	-	-	-	-
MW-5	09/11/2008 <sup>15</sup>	7.04	4.58	2.46	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	11/10/2008 <sup>20</sup>	7.04	4.26	2.78	0.00	-	-	-	-	-	-	-
MW-5	02/09/2009 <sup>15</sup>	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 <sup>15</sup>	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 <sup>20</sup>	7.04	3.52	3.52	0.00	-	-	-	-	-	-	-
MW-5	03/02/2011 <sup>20</sup>	7.04	1.55	5.49	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	06/17/2011 <sup>20</sup>	7.04	1.84	5.20	0.00	-	-	-	-	-	-	-
MW-5	09/08/2011 <sup>20</sup>	7.04	2.50	4.54	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	12/29/2011 <sup>20</sup>	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
MW-5	05/31/2012 <sup>20</sup>	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 <sup>20</sup>	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	-	-	-	-	-	-	-

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				
						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
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 <sup>25</sup>	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-5	06/21/2016	7.04	2.87	4.17	0.00	-	-	-	-	-	-	-
MW-5	10/18/2016	7.04	4.12	2.92	0.00	-	<100	<1	<1	<1	<1	<1
<b>MW-5</b>	<b>12/29/2016<sup>20</sup></b>	<b>7.04</b>	<b>1.98</b>	<b>5.06</b>	<b>0.00</b>	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-
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 <sup>1</sup>	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

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**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 SW8260	
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-6	10/10/1996	7.27	4.37	2.90	0.00	-	79	31	<0.5	<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	<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	<5.0	<25
MW-6	07/09/1997	7.27	4.29	2.98	0.00	-	330	140	<2.0	<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	<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	<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	<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	<0.5	<2.5
MW-6	10/27/1998 <sup>21</sup>	7.27	-	-	-	-	-	-	-	-	-	-	-
MW-6	11/25/1998	7.27	4.16	3.11	0.00	-	110 <sup>3</sup>	54	<0.5	<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	<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	<0.5	<2.0/<2.5 <sup>2</sup>
MW-6	07/29/1999 <sup>4</sup>	7.27	4.34	2.93	0.00	-	<5,000	2,590	<50	<50	<50	<50	<500
MW-6	10/13/1999	7.27	5.89	1.38	0.00	-	9,270	4,610	44.2	<25	<25	<25	<125
MW-6	01/25/2000	7.27	4.11	3.16	0.00	-	529	289	<0.5	<0.5	<0.5	<0.5	738
MW-6	04/03/2000 <sup>7,8</sup>	7.27	2.84	4.43	0.00	-	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<2.5
MW-6	07/03/2000 <sup>7</sup>	7.27	3.77	3.50	0.00	-	91 <sup>6</sup>	89	0.77	<0.50	<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	<0.50	<2.5
MW-6	01/08/2001 <sup>7,11</sup>	7.27	3.74	3.53	0.00	-	400 <sup>5</sup>	640	8.2	8.0	5.0	10	10
MW-6	04/09/2001 <sup>7</sup>	7.27	3.03	4.24	0.00	-	91.3	22.0	3.36	0.751	2.14	<0.500	<0.500
MW-6	08/23/2001 <sup>7</sup>	7.27	4.70	2.57	0.00	-	53 <sup>13</sup>	23	0.50	<0.50	1.1	<2.5	<2.5
MW-6	11/27/2001 <sup>14</sup>	7.27	4.43	2.84	0.00	-	<50	4.1	<0.50	<0.50	<1.5	<2.5	<2.5
MW-6	02/26/2002 <sup>14</sup>	7.27	2.50	4.77	0.00	-	100	53	<0.50	<0.50	<1.5	<2.5	<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	<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	<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	<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	<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	<2.5
MW-6	08/15/2003 <sup>15</sup>	7.27	4.15	3.12	0.00	2.90	<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				
						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
MW-6	11/14/2003 <sup>15</sup>	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 <sup>15</sup>	7.27	2.66	4.61	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	05/14/2004 <sup>15</sup>	7.27	3.55	3.72	0.00	-	<50	3	<0.5	<0.5	<0.5	<0.5
MW-6	08/13/2004 <sup>15</sup>	7.27	4.32	2.95	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	11/12/2004 <sup>15</sup>	7.27	4.20	3.07	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	02/11/2005 <sup>15</sup>	7.27	2.18	5.09	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	05/13/2005 <sup>15</sup>	7.27	4.11	3.16	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	08/19/2005 <sup>15</sup>	7.27	3.70	3.57	0.00	1.90	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	11/18/2005 <sup>15</sup>	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 <sup>15</sup>	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 <sup>15</sup>	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 <sup>15</sup>	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 <sup>15</sup>	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 <sup>15</sup>	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 <sup>15</sup>	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 <sup>15</sup>	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 <sup>15</sup>	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 <sup>15</sup>	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 <sup>15</sup>	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 <sup>15</sup>	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 <sup>15</sup>	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 <sup>15</sup>	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 <sup>15</sup>	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 <sup>15</sup>	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 <sup>20</sup>	7.27	4.16	3.11	0.00	-	-	-	-	-	-	-

**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				
						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
MW-6	03/02/2011 <sup>20</sup>	7.27	2.27	5.00	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6	06/17/2011 <sup>20</sup>	7.27	3.69	3.58	0.00	-	-	-	-	-	-	-
MW-6	09/08/2011 <sup>20</sup>	7.27	3.82	3.45	0.00	-	<50	2	<0.5	<0.5	<0.5	<0.5
MW-6	12/29/2011 <sup>20</sup>	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 <sup>20</sup>	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 <sup>20</sup>	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 <sup>25</sup>	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-6	06/21/2016	7.27	4.31	2.96	0.00	-	-	-	-	-	-	-
MW-6	10/18/2016	7.27	4.66	2.61	0.00	-	<100	<1	<1	<1	<1	<1
<b>MW-6</b>	<b>12/29/2016<sup>20</sup></b>	<b>7.27</b>	<b>3.94</b>	<b>3.33</b>	<b>0.00</b>	-	-	-	-	-	-	-
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	-



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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				
						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
MW-7	10/05/1994	8.22	5.61	2.61	0.00	-	15,000	3,300	90	130	320	-
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 <sup>21</sup>	8.22	-	-	-	-	-	-	-	-	-	-
MW-7	08/17/1998 <sup>5</sup>	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 <sup>2</sup> /310
MW-7	07/29/1999 <sup>4</sup>	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 <sup>7,9</sup>	7.92	3.38	4.54	0.00	-	2,600 <sup>6</sup>	780	12	<5.0	61	95
MW-7	07/03/2000 <sup>7</sup>	7.92	4.34	3.58	0.00	-	4,100 <sup>6</sup>	2,600	72	240	690	<50
MW-7	10/23/2000	7.92	6.11	1.81	0.00	-	12,000 <sup>6</sup>	2,600	<50	150	290	<250
MW-7	01/08/2001 <sup>7,11</sup>	7.92	4.32	3.60	0.00	-	3,900 <sup>6</sup>	2,200	61	140	350	<25
MW-7	04/09/2001 <sup>7</sup>	7.92	3.63	4.29	0.00	-	25,100	4,590	1,200	843	1,920	48.1
MW-7	08/23/2001 <sup>7</sup>	7.92	4.83	3.09	0.00	-	27,000	4,100	970	1,100	3,500	<500

Table 1

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

Location	Date	TOC	DTW	GWE	LNAPLT	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
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 <sup>15</sup>	7.92	4.75	3.17	0.00	2.30	29,000	7,300	140	780	1,900	<5
MW-7	11/14/2003 <sup>15</sup>	7.92	4.95	2.97	0.00	1.87	7,200	950	3	45	20	7
MW-7	02/13/2004 <sup>15</sup>	7.92	3.29	4.63	0.00	-	3,300	360	4	82	130	3
MW-7	05/14/2004 <sup>15</sup>	7.92	3.98	3.94	0.00	-	17,000	3,100	480	510	1,300	3
MW-7	08/13/2004 <sup>15</sup>	7.92	5.94	1.98	0.00	-	10,000	2,000	4	130	150	4
MW-7	11/12/2004 <sup>15</sup>	7.92	4.50	3.42	0.00	-	680	4	<0.5	1	0.7	0.8
MW-7	02/11/2005 <sup>15</sup>	7.92	3.07	4.85	0.00	-	4,600	680	6	80	44	4
MW-7	05/13/2005 <sup>15</sup>	7.92	4.51	3.41	0.00	-	4,200	380	3	38	13	2
MW-7	08/19/2005 <sup>15</sup>	7.92	4.03	3.89	0.00	0.80	7,900	1,300	3	190	310	<1
MW-7	11/18/2005 <sup>15</sup>	7.92	4.62	3.30	0.00	0.90	3,900	4	1	16	8	2
MW-7	02/10/2006 <sup>15</sup>	7.92	3.12	4.80	0.00	1.30	3,200	320	2	14	8	2
MW-7	05/12/2006 <sup>15</sup>	7.92	4.25	3.67	0.00	1.40	3,600	1,000	2	65	27	<1
MW-7	08/11/2006 <sup>15</sup>	7.92	4.45	3.47	0.00	1.10	6,700	1,900	6	280	300	<1
MW-7	11/17/2006 <sup>15</sup>	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 <sup>15</sup>	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 <sup>15</sup>	7.92	4.62	3.30	0.00	1.7	6,400	1,400	4	130	26	<1
MW-7	08/09/2007 <sup>15</sup>	7.92	4.61	3.31	0.00	1.2	10,000	1,400	4	230	12	<3
MW-7	11/08/2007 <sup>15</sup>	7.92	4.72	3.20	0.00	0.9	2,300	4	1	3	7	0.9
MW-7	02/06/2008 <sup>15</sup>	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 <sup>15</sup>	7.92	4.48	3.44	0.00	1.2	8,000	1,500	15	380	260	<1
MW-7	09/11/2008 <sup>15</sup>	7.92	5.95	1.97	0.00	1.0	5,100	530	4	47	12	0.7
MW-7	11/10/2008 <sup>15</sup>	7.92	5.81	2.11	0.00	0.6	2,800	13	1	1	7	<0.5

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Former Chevron Service Station 91153  
3135 Gibbons Drive (3126 Fernside Boulevard)  
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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 SW8260
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-7	02/09/2009 <sup>15</sup>	7.92	4.06	3.86	0.00	0.8	3,900	190	2	51	11	0.5
MW-7	05/28/2009 <sup>15,17</sup>	7.92	3.84	4.08	0.00	0.45	5,800	870	8	220	27	<0.5
MW-7	08/18/2009 <sup>15</sup>	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 <sup>20</sup>	7.92	4.68	3.24	0.00	-	-	-	-	-	-	-
MW-7	03/02/2011 <sup>20</sup>	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 <sup>20</sup>	7.92	4.02	3.90	0.00	-	-	-	-	-	-	-
MW-7	09/08/2011 <sup>20</sup>	7.92	4.12	3.80	0.00	-	5,700	650	7	140	31	<0.5
MW-7	12/29/2011 <sup>20</sup>	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 <sup>20</sup>	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
MW-7	12/21/2012 <sup>20</sup>	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 <sup>22</sup>	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 <sup>22</sup>	7.92	5.43	2.49	0.00	-	-	-	-	-	-	-
MW-7	12/22/2015 <sup>25</sup>	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

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 SW8260
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
MW-7	06/21/2016	7.92	4.47	3.45	0.00	-	-	-	-	-	-	-
MW-7	10/18/2016 <sup>26</sup>	7.92	4.91	3.01	0.00	-	3,500	2	<1	<1	2	<1
<b>MW-7</b>	<b>12/29/2016<sup>20</sup></b>	<b>7.92</b>	<b>4.02</b>	<b>3.90</b>	<b>0.00</b>	-	-	-	-	-	-	-
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
MW-8	10/29/1997	6.96	4.57	2.39	0.00	-	<50	<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	<2.5
MW-8	01/20/1999	6.96	2.69	4.27	0.00	-	<50	<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	<2.5
MW-8	04/03/2000 <sup>19</sup>	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	07/03/2000	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	10/23/2000	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	01/08/2001 <sup>11</sup>	6.96	3.58	3.38	0.00	-	<50	<0.50	<0.50	<0.50	<0.50	<2.5
MW-8	04/09/2001	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	08/23/2001 <sup>19</sup>	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	11/27/2001 <sup>19</sup>	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
MW-8	05/23/2002 <sup>19</sup>	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	08/09/2002 <sup>19</sup>	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	11/08/2002 <sup>19</sup>	6.96	-	-	-	-	-	-	-	-	-	-

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				
						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
MW-8	02/07/2003	6.96	3.13	3.83	0.00	-	<50	<0.50	<0.50	<0.50	<1.5	<2.5
MW-8	05/09/2003 <sup>19</sup>	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	08/15/2003 <sup>19</sup>	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	11/14/2003 <sup>19</sup>	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	02/13/2004 <sup>15</sup>	6.96	3.20	3.76	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-8	05/14/2004 <sup>19</sup>	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	11/12/2004 <sup>19</sup>	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	02/11/2005 <sup>15</sup>	6.96	2.85	4.11	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-8	05/13/2005 <sup>19</sup>	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	08/19/2005 <sup>19</sup>	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	11/18/2005 <sup>19</sup>	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	02/10/2006 <sup>15</sup>	6.96	2.74	4.22	<50	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-8	05/12/2006 <sup>19</sup>	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	08/11/2006 <sup>19</sup>	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	11/17/2006 <sup>19</sup>	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	02/16/2007 <sup>15</sup>	6.96	2.69	4.27	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-8	05/17/2007 <sup>19</sup>	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	08/09/2007 <sup>19</sup>	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	11/08/2007 <sup>19</sup>	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	02/06/2008 <sup>15</sup>	6.96	2.57	4.39	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-8	05/07/2008 <sup>19</sup>	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	09/11/2008 <sup>19</sup>	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	11/10/2008 <sup>19</sup>	6.96	-	-	-	-	-	-	-	-	-	-
MW-8	02/09/2009 <sup>15</sup>	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 <sup>19</sup>	6.96	4.27	2.69	0.00	-	-	-	-	-	-	-
MW-8	11/11/2010 <sup>19</sup>	6.96	3.82	3.14	0.00	-	-	-	-	-	-	-
MW-8	03/02/2011 <sup>19</sup>	6.96	1.66	5.30	0.00	-	<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	TOC	DTW	GWE	LNAPLT	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
MW-8	06/17/2011 <sup>19</sup>	6.96	3.79	3.17	0.00	-	-	-	-	-	-	-
MW-8	09/08/2011 <sup>19</sup>	6.96	2.97	3.99	0.00	-	-	-	-	-	-	-
MW-8	12/29/2011 <sup>19</sup>	6.96	3.70	3.26	0.00	-	-	-	-	-	-	-
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 <sup>19</sup>	6.96	1.66	5.30	0.00	-	-	-	-	-	-	-
MW-8	09/28/2012 <sup>19</sup>	6.96	4.87	2.09	0.00	-	-	-	-	-	-	-
MW-8	12/21/2012 <sup>19</sup>	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 <sup>25</sup>	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-8	06/21/2016	6.96	4.19	2.77	0.00	-	-	-	-	-	-	-
MW-8	10/18/2016 <sup>19</sup>	6.96	4.50	2.46	0.00	-	-	-	-	-	-	-
<b>MW-8</b>	<b>12/29/2016<sup>19</sup></b>	<b>6.96</b>	<b>4.08</b>	<b>2.88</b>	<b>0.00</b>	-	-	-	-	-	-	-
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

**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				
						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
MW-9	10/10/1996	7.21	5.20	2.01	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<2.5
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 <sup>19</sup>	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	07/03/2000	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	10/23/2000	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	01/08/2001 <sup>11</sup>	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 <sup>19</sup>	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	11/27/2001 <sup>19</sup>	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 <sup>19</sup>	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	08/09/2002 <sup>19</sup>	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	11/08/2002 <sup>19</sup>	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 <sup>19</sup>	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	08/15/2003 <sup>19</sup>	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	11/14/2003 <sup>19</sup>	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	02/13/2004 <sup>15</sup>	7.21	3.94	3.27	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-9	05/14/2004 <sup>19</sup>	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	11/12/2004 <sup>19</sup>	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	02/11/2005 <sup>15</sup>	7.21	3.66	3.55	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-9	05/13/2005 <sup>19</sup>	7.21	-	-	-	-	-	-	-	-	-	-

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**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				
						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
MW-9	08/19/2005 <sup>19</sup>	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	11/18/2005 <sup>19</sup>	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	02/10/2006 <sup>15</sup>	7.21	3.53	3.68	0.00	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-9	05/12/2006 <sup>19</sup>	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	08/11/2006 <sup>19</sup>	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	11/17/2006 <sup>19</sup>	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	02/16/2007 <sup>15</sup>	7.21	3.50	3.71	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-9	05/17/2007 <sup>19</sup>	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	08/09/2007 <sup>19</sup>	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	11/08/2007 <sup>19</sup>	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	02/06/2008 <sup>15</sup>	7.21	3.14	4.07	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-9	05/07/2008 <sup>19</sup>	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	09/11/2008 <sup>19</sup>	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	11/10/2008 <sup>19</sup>	7.21	-	-	-	-	-	-	-	-	-	-
MW-9	02/09/2009 <sup>15</sup>	7.21	3.91	3.30	0.00	-	<50	<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
MW-9	05/17/2010	7.21	3.44	3.77	0.00	-	-	-	-	-	-	-
MW-9	08/26/2010 <sup>19</sup>	7.21	4.77	2.44	0.00	-	-	-	-	-	-	-
MW-9	11/11/2010 <sup>19</sup>	7.21	4.29	2.92	0.00	-	-	-	-	-	-	-
MW-9	03/02/2011 <sup>19</sup>	7.21	2.75	4.46	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-9	06/17/2011 <sup>19</sup>	7.21	3.86	3.35	0.00	-	-	-	-	-	-	-
MW-9	09/08/2011 <sup>19</sup>	7.21	4.28	2.93	0.00	-	-	-	-	-	-	-
MW-9	12/29/2011 <sup>19</sup>	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 <sup>19</sup>	7.21	4.15	3.06	0.00	-	-	-	-	-	-	-
MW-9	09/28/2012 <sup>19</sup>	7.21	4.96	2.25	0.00	-	-	-	-	-	-	-
MW-9	12/21/2012 <sup>19</sup>	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	-	-	-	-	-	-	-



**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				
						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
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 <sup>25</sup>	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-9	06/21/2016	7.21	4.68	2.53	0.00	-	-	-	-	-	-	-
MW-9	10/18/2016 <sup>19</sup>	7.21	4.64	2.57	0.00	-	-	-	-	-	-	-
<b>MW-9</b>	<b>12/29/2016<sup>19</sup></b>	<b>7.21</b>	<b>4.31</b>	<b>2.90</b>	<b>0.00</b>	-	-	-	-	-	-	-
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
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 <sup>20</sup>	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	-	-	-	-	-	-	-

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				
						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
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 <sup>2</sup>
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 <sup>11</sup>	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 <sup>21</sup>	7.28	-	-	-	-	-	-	-	-	-	-
MW-10	11/27/2001 <sup>20</sup>	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
MW-10	05/23/2002 <sup>20</sup>	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 <sup>20</sup>	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 <sup>20</sup>	7.28	3.25	4.03	0.00	-	-	-	-	-	-	-
MW-10	08/15/2003 <sup>15</sup>	7.28	4.35	2.93	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	11/14/2003 <sup>20</sup>	7.28	4.30	2.98	0.00	-	-	-	-	-	-	-
MW-10	02/13/2004 <sup>15</sup>	7.28	4.27	3.01	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	05/14/2004 <sup>20</sup>	7.28	4.08	3.20	0.00	-	-	-	-	-	-	-
MW-10	08/13/2004 <sup>15</sup>	7.28	3.92	3.36	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	11/12/2004 <sup>20</sup>	7.28	3.98	3.30	0.00	-	-	-	-	-	-	-
MW-10	02/11/2005 <sup>15</sup>	7.28	4.07	3.21	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	05/13/2005 <sup>20</sup>	7.28	4.01	3.27	0.00	-	-	-	-	-	-	-
MW-10	08/19/2005 <sup>15</sup>	7.28	3.69	3.59	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	11/18/2005 <sup>20</sup>	7.28	3.86	3.42	0.00	-	-	-	-	-	-	-
MW-10	02/10/2006 <sup>15</sup>	7.28	3.94	3.34	0.00	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

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**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				
						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
MW-10	05/12/2006 <sup>20</sup>	7.28	4.07	3.21	0.00	-	-	-	-	-	-	-
MW-10	08/11/2006 <sup>15</sup>	7.28	4.21	3.07	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	11/17/2006 <sup>20</sup>	7.28	3.83	3.45	0.00	-	-	-	-	-	-	-
MW-10	02/16/2007 <sup>15</sup>	7.28	3.87	3.41	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	05/17/2007 <sup>20</sup>	7.28	3.71	3.57	0.00	-	-	-	-	-	-	-
MW-10	08/09/2007 <sup>21</sup>	7.28	-	-	-	-	-	-	-	-	-	-
MW-10	11/08/2007 <sup>21</sup>	7.28	-	-	-	-	-	-	-	-	-	-
MW-10	02/06/2008 <sup>21</sup>	7.28	-	-	-	-	-	-	-	-	-	-
MW-10	05/07/2008 <sup>21</sup>	7.28	-	-	-	-	-	-	-	-	-	-
MW-10	09/11/2008 <sup>15</sup>	7.28	4.63	2.65	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	11/10/2008 <sup>20</sup>	7.28	4.28	3.00	0.00	-	-	-	-	-	-	-
MW-10	02/09/2009 <sup>15</sup>	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 <sup>15</sup>	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 <sup>20</sup>	7.28	4.34	2.94	0.00	-	-	-	-	-	-	-
MW-10	03/02/2011 <sup>20</sup>	7.28	3.33	3.95	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	06/17/2011 <sup>20</sup>	7.28	3.92	3.36	0.00	-	-	-	-	-	-	-
MW-10	09/08/2011 <sup>20</sup>	7.28	3.95	3.33	0.00	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-10	12/29/2011 <sup>20</sup>	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 <sup>20</sup>	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 <sup>20</sup>	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	-	-	-	-	-	-	-

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**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				
						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
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
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 <sup>24</sup>	7.28	-	-	0.00	-	-	-	-	-	-	-
MW-10	03/29/2016	7.28	2.92	4.36	0.00	-	<100	<1	<1	<1	<1	<1
MW-10	06/21/2016	7.28	3.26	4.02	0.00	-	-	-	-	-	-	-
MW-10	10/18/2016 <sup>21</sup>	7.28	-	-	0.00	-	-	-	-	-	-	-
<b>MW-10</b>	<b>12/29/2016<sup>20</sup></b>	<b>7.28</b>	<b>2.10</b>	<b>5.18</b>	<b>0.00</b>	-	-	-	-	-	-	-
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	-

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Former Chevron Service Station 91153  
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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
QA	10/13/1992	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	-
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
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

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 SW8260
	Units	ft	ft	ft-amsl	ft	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
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 <sup>11</sup>	-	-	-	-	-	<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 <sup>15</sup>	-	-	-	-	-	<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 <sup>15</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	05/14/2004 <sup>15</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	08/13/2004 <sup>15</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	11/12/2004 <sup>15</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	02/11/2005 <sup>15</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	05/13/2005 <sup>15</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	08/19/2005 <sup>15</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	11/18/2005 <sup>15</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	02/10/2006 <sup>15</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	05/12/2006 <sup>15</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	08/11/2006 <sup>15</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	11/17/2006 <sup>15</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	02/16/2007 <sup>15</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	05/17/2007 <sup>15</sup>	-	-	-	-	-	<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	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
QA	08/09/2007 <sup>15</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	11/08/2007 <sup>15</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	02/06/2008 <sup>15</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	05/07/2008 <sup>15</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	09/11/2008 <sup>15</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	11/10/2008 <sup>15</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	02/09/2009 <sup>15</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	05/28/2009 <sup>15</sup>	-	-	-	-	-	<50	<0.5	<0.5	<0.5	<0.5	<0.5
QA	08/18/2009 <sup>15</sup>	-	-	-	-	-	<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
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

Table 1

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Alameda, California**

Location	Date	TOC	DTW	GWE	LNAPLT	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
QA	06/21/2016	-	-	-	-	-	<100	<1	<1	<1	<1	<1
QA	10/18/2016	-	-	-	-	-	<100	<1	<1	<1	<1	<1
<b>QA</b>	<b>12/29/2016</b>	-	-	-	-	-	<b>&lt;100</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;1</b>	<b>&lt;1</b>

**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

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  $\geq$  the method detection limit < the limit of quantitation)

-- = Not available / not applicable

&lt;x = Not detected above laboratory method detection limit

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



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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

- 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
- 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
- 26 Insufficient water column to collect field parameters, grab sample collected

# Attachment A Monitoring Data Package



January 5, 2017

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

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

Monitoring performed on December 29, 2016

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**Blaine Tech Services, Inc. Groundwater Monitoring Event 161229-DS1**

This submission covers the routine monitoring of groundwater wells conducted on December 29, 2016 at this location. Nine monitoring wells were measured for depth to groundwater (DTW). One monitoring well was sampled. All sampling activities were performed in accordance with local, state and federal guidelines.

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

Fourth 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](http://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: Kiersten Hoey  
5900 Hollis St., Suite A  
Emeryville, CA 94608

Fourth 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.

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## **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. Oxygen Reduction Potential (ORP)
3. Specific Conductance
4. Dissolved Oxygen (DO) (calibrate simulating 100% oxygen saturation)

### **Purging & Sampling Collection**

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

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

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

## **PURGEWATER CONTAINMENT**

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

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

## **TRIP BLANKS**

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

## **DUPLICATES**

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

## **SAMPLE STORAGE**

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

## **DOCUMENTATION CONVENTIONS**

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

## **DECONTAMINATION**

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

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



facilitated by the use of proprietary fixtures and devices included in the patented workstation (U.S. Patent 5,535,775) that is incorporated in each sampling vehicle.

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

## **FERROUS IRON MEASUREMENTS**

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

## WELL GAUGING DATA

Project # 161229-DS1 Date 12-29-16 Client Chevron

Site 3195 Gibbons Dr. Alameda, CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
C-1	0845 <del>0830</del>	3	odor / sheen				2.56	17.00		SPT SOCK
C-3	0902	3	No				3.61	18.90		*in backyard
MW-4	0828	2	No				2.45	12.85		
MW-5	0826	2	No				1.98	12.44		
MW-6	0823	2	No				3.94	13.50		
MW-7	0840	2	odor				4.02	5.72		
MW-8	0814	2	No				4.08	9.16		
MW-9	0817	2	No				4.31	8.58		
MW-10	0920	2	No				2.10	8.98		

## CHEVRON WELL MONITORING DATA SHEET

Project #: 1101229-DS1	Station #: 9HS3
Sampler: DS	Date: 12-29-16
Weather: Sunny	Ambient Air Temperature: 56°
Well I.D.: C-1	Well Diameter: 2 (3) 4 6 8
Total Well Depth: 1700	Depth to Water: 2.56
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]: 5.44	

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: \_\_\_\_\_

$$5.20 \text{ (Gals.)} \times 3 = 15.60 \text{ Gals.}$$
 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 <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
0928	60.1	6.76	930	200	5.20	clouds / odor SHEEN
0931	60.3	6.71	938	368	10.40	↓
0934	60.4	6.09	951	412	15.60	

Did well dewater?    Yes     No    Gallons actually evacuated: 15.60

Sampling Date: 12-29-16    Sampling Time: 0940    Depth to Water: 5.38

Sample I.D.: C-1-W-1101229-DS    Laboratory: Lancaster    Other: \_\_\_\_\_

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

Duplicate I.D.: TB-1-W-122916    Analyzed for: TPH-G    BTEX    MTBE    OXYS    Other: \_\_\_\_\_

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

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

## CHAIN OF CUSTODY FORM

COC 1 of 1

Chevron Site Number: 9-1153  
 Chevron Site Global ID: T0600100330  
 Chevron Site Address: 3135 Gibbons Dr., Alameda, CA  
 Chevron PM: Mark Home  
 Chevron PM Phone No.: (925) 790-3964  
 Retail and Terminal Business Unit (RTBU) Job  
 Construction/Retail Job

Chevron Consultant: GHD  
 Address: 5900 Hollis St., Ste. A, Emeryville, CA  
 Consultant Contact: Klersten Hoey  
 Consultant Phone No.: 510-420-3347  
 Consultant Project No.: 101229-DS1  
 Sampling Company: Blaine Tech Services  
 Sampled By (Print): Damen Soto  
 Sampler Signature: [Signature]

ANALYSES REQUIRED												Preservation Codes	
H	H												H = HCL T= Thiosulfate N = HNO <sub>3</sub> B = NaOH S = H <sub>2</sub> SO <sub>4</sub> O = Other
EPA 8260B/GC/MS TPH/G <input type="checkbox"/>	<input type="checkbox"/>	EPA 8015B GRO <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EPA 8021B BTEX <input type="checkbox"/>	<input type="checkbox"/>	EPA 8010 Ca, Fe, K, Mg, Mn, Na	EPA 6010/7000 TITLE 22 METALS <input type="checkbox"/>	EPA 150.1 PH <input type="checkbox"/>	SM2510B SPECIFIC CONDUCTIVITY	EPA 418.1 TRPH <input type="checkbox"/>	EPA 8260 ETHANOL	EPA 8015 TPH-D <input type="checkbox"/>	

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

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

Other Lab	Temp. Blank	Check Time

SAMPLE ID				Sample Time	# of Containers	Container Type	ANALYSES REQUIRED												Notes/Comments
Field Point Name	Matrix	Top Depth	Date (yyymmdd)				EPA 8260B/GC/MS TPH/G <input type="checkbox"/>	<input type="checkbox"/>	EPA 8015B GRO <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	EPA 8021B BTEX <input type="checkbox"/>	<input type="checkbox"/>	EPA 8010 Ca, Fe, K, Mg, Mn, Na	EPA 6010/7000 TITLE 22 METALS <input type="checkbox"/>	EPA 150.1 PH <input type="checkbox"/>	SM2510B SPECIFIC CONDUCTIVITY	EPA 418.1 TRPH <input type="checkbox"/>	EPA 8260 ETHANOL	
<u>C-1-W-162912</u>	<u>W</u>		<u>11/01/29</u>	<u>0945</u>	<u>6</u>	<u>HCL VOPS</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>											
<u>TB-1-W-162912</u>	<u>W</u>		<u>↓</u>	<u>0800</u>	<u>32</u>	<u>↓</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>											

Relinquished By: <u>[Signature]</u>	Company: <u>BTS</u>	Date/Time: <u>12/29/06</u>	Relinquished To: <u>[Signature]</u>	Company: <u>BTS</u>	Date/Time: <u>12/29/06 @ 1500</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"/> Sample Integrity: (Check by lab on arrival) Intact: _____ On ice: _____ Temp: _____ COC # _____
Relinquished By: <u>[Signature]</u>	Company: <u>BTS</u>	Date/Time: <u>1/4/16 1500</u>	Relinquished To: _____	Company: _____	Date/Time: _____	
Relinquished By: _____	Company: _____	Date/Time: _____	Relinquished To: _____	Company: _____	Date/Time: _____	

\* SHIPPED VIA UPS

# WELLHEAD INSPECTION CHECKLIST

Client Chevron Date 12-29-16

Site Address 3135 Gibbons St. Alameda, CA

Job Number 161229-DS1 Technician DS

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		christy box								
C-3		christy box								
MW-4	x	x	x							
MW-5	x	x	x							
MW-6	x	x	x							
MW-7		x	x							
MW-8		x	x							
MW-9		x	x							
MW-10		christy box								

NOTES: MW-9 (-313 bolts)  
MW-8 (-213 bolts)  
MW-7 (-213 bolts stripped)

SOURCE RECORD **BILL OF LADING**

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

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

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

CHEVRON # 9-1153 mark Horn  
Chevron Engineer  
3135 Gibbons Pr. Alameda CA  
street number street name city state

WELL I.D.	GALS.	WELL I.D.	GALS.
C-1	16		
	/		/
	/		/
	/		/
	/		/
	/		/
	/		/
	/		/
	/		/
	/		/

added equip. \_\_\_\_\_  
rinse water 1 2 any other adjustments / \_\_\_\_\_

**TOTAL GALS. RECOVERED** 16 loaded onto BTS vehicle # 63

BTS event # 16/229-DS1 time 1200 date 12/29/16

Transporter signature [Signature]

\*\*\*\*\*  
**REC'D AT** time 1500 date 12/29/16

Unloaded/received by signature [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: January 13, 2017

**Project: 91153**

Submittal Date: 01/05/2017  
Group Number: 1750852  
PO Number: 0015229870  
Release Number: HORNE  
State of Sample Origin: CA

### Client Sample Description

C-1-W-161229 NA Water  
QA-1-T-161229 NA Water

Lancaster Labs

(LL) #

8773134  
8773135

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 current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

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

Attn: Kiersten Hoey  
Attn: Anna Avina  
Attn: Dustin Becker  
Attn: Report Contact

Respectfully Submitted,



Amek Carter  
Specialist

(717) 556-7252

Sample Description: C-1-W-161229 NA Water  
Facility# 91153 BTST  
3135 Gibbons Dr-Alameda T0600100330

LL Sample # WW 8773134  
LL Group # 1750852  
Account # 10991

Project Name: 91153

Collected: 12/29/2016 09:45 by DS

Chevron

6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

Submitted: 01/05/2017 09:40

Reported: 01/13/2017 13:17

GDAC1

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10945	Benzene	71-43-2	4,500	ug/l	ug/l	
10945	Ethylbenzene	100-41-4	120	ug/l	ug/l	200
10945	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	10	20	20
10945	Toluene	108-88-3	25	10	20	20
10945	Xylene (Total)	1330-20-7	120	10	20	20
<b>GC Volatiles SW-846 8015B</b>						
01728	TPH-GRO N. CA water C6-C12	n.a.	19,000	ug/l	ug/l	10

### 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	P170091AA	01/10/2017 02:48	Hu Yang	20
10945	BTEX/MTBE	SW-846 8260B	1	P170101AA	01/11/2017 02:13	Hu Yang	200
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P170091AA	01/10/2017 02:48	Hu Yang	20
01163	GC/MS VOA Water Prep	SW-846 5030B	2	P170101AA	01/11/2017 02:13	Hu Yang	200
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	17008A53A	01/12/2017 13:02	Brett W Kenyon	10
01146	GC VOA Water Prep	SW-846 5030B	1	17008A53A	01/12/2017 13:02	Brett W Kenyon	10

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

Sample Description: QA-1-T-161229 NA Water  
Facility# 91153 BTST  
3135 Gibbons Dr-Alameda T0600100330

LL Sample # WW 8773135  
LL Group # 1750852  
Account # 10991

Project Name: 91153

Collected: 12/29/2016 08:00

Chevron

Submitted: 01/05/2017 09:40

6001 Bollinger Canyon Rd L4310

Reported: 01/13/2017 13:17

San Ramon CA 94583

GDAQA

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
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
<b>GC Volatiles SW-846 8015B</b>						
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	ug/l 50	ug/l 100	1

### 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	P170091AA	01/09/2017 23:24	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P170091AA	01/09/2017 23:24	Hu Yang	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	17008A53A	01/12/2017 12:07	Brett W Kenyon	1
01146	GC VOA Water Prep	SW-846 5030B	1	17008A53A	01/12/2017 12:07	Brett W Kenyon	1

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

## Quality Control Summary

Client Name: Chevron  
Reported: 01/13/2017 13:17

Group Number: 1750852

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

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

### Method Blank

Analysis Name	Result	MDL**	LOQ
	ug/l	ug/l	ug/l
Batch number: P170091AA	Sample number(s): 8773134-8773135		
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: P170101AA	Sample number(s): 8773134		
Benzene	N.D.	0.5	1
Batch number: 17008A53A	Sample number(s): 8773134-8773135		
TPH-GRO N. CA water C6-C12	N.D.	50	100

### LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	ug/l	ug/l	ug/l	ug/l					
Batch number: P170091AA	Sample number(s): 8773134-8773135								
Benzene	20	18.08			90		78-120		
Ethylbenzene	20	17.7			88		78-120		
Methyl Tertiary Butyl Ether	20	17.77			89		75-120		
Toluene	20	18.08			90		80-120		
Xylene (Total)	60	54.26			90		80-120		
Batch number: P170101AA	Sample number(s): 8773134								
Benzene	20	17.79	20	17.84	89	89	78-120	0	30
	ug/l	ug/l	ug/l	ug/l					
Batch number: 17008A53A	Sample number(s): 8773134-8773135								
TPH-GRO N. CA water C6-C12	1100	1108.61	1100	1039.95	101	95	77-120	6	30

### MS/MSD

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

\*- 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: 01/13/2017 13:17

Group Number: 1750852

### MS/MSD

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

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: P170091AA	Sample number(s): 8773134-8773135 UNSPK: P776197									
Benzene	N.D.	20	19.3	20	19.56	96	98	78-120	1	30
Ethylbenzene	N.D.	20	18.82	20	19.19	94	96	78-120	2	30
Methyl Tertiary Butyl Ether	N.D.	20	17.93	20	18.23	90	91	75-120	2	30
Toluene	N.D.	20	18.71	20	19.3	94	96	80-120	3	30
Xylene (Total)	N.D.	60	56.94	60	58.65	95	98	80-120	3	30

### Surrogate Quality Control

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

Analysis Name: BTEX/MTBE  
Batch number: P170091AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8773134	100	98	97	98
8773135	102	99	97	96
Blank	104	99	97	97
LCS	102	99	97	97
MS	103	100	97	98
MSD	102	101	97	97
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO N. CA water C6-C12  
Batch number: 17008A53A

	Trifluorotoluene-F
8773134	105
8773135	127
Blank	98
LCS	102
LCSD	105
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: 9-1153  
 Chevron Site Global ID: T0600100330  
 Chevron Site Address: 3135 Gibbons Dr., Alameda, CA  
 Chevron PM: Mark Home  
 Chevron PM Phone No.: (925) 790-3964  
 Retail and Terminal Business Unit (RTBU) Job  
 Construction/Retail Job

Chevron Consultant: GHD  
 Address: 5900 Hollis St., Ste. A, Emeryville, CA  
 Consultant Contact: Kiersten Hoey  
 Consultant Phone No. 510-420-3347  
 Consultant Project No. 1101229-DS1  
 Sampling Company: Blaine Tech Services  
 Sampled By (Print): Damen Suto  
 Sampler Signature: [Signature]

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

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

Other Lab	Temp. Blank Check Time	Temp.

ANALYSES REQUIRED												Preservation Codes							
<input type="checkbox"/> EPA 8260B/GC/MS	<input type="checkbox"/> EPA 8015B	<input type="checkbox"/> EPA 8021B	<input type="checkbox"/> EPA 6010	<input type="checkbox"/> EPA 6010/7000	<input type="checkbox"/> EPA 150.1	<input type="checkbox"/> SM2510B	<input type="checkbox"/> EPA 418.1	<input type="checkbox"/> EPA 8260	<input type="checkbox"/> EPA 8015	<input type="checkbox"/> HVOCL	<input type="checkbox"/> HC SCREEN	<input type="checkbox"/> DRO	<input type="checkbox"/> ORO	<input type="checkbox"/> TLC	<input type="checkbox"/> STLC	<input type="checkbox"/> ALKALINITY	<input type="checkbox"/> EPA 413.1	<input type="checkbox"/> EPA 413.1 OIL & GREASE	H = HCL T = Thiosulfate N = HNO <sub>3</sub> B = NaOH S = H <sub>2</sub> SO <sub>4</sub> O = Other 10991 1750852 8773134-35
<input type="checkbox"/> TPH-G	<input type="checkbox"/> BTEX	<input type="checkbox"/> GRO	<input type="checkbox"/> MTBE	<input type="checkbox"/> MTBE	<input type="checkbox"/> Ca, Fe, K, Mg, Mn, Na	<input type="checkbox"/> TITLE 22 METALS	<input type="checkbox"/> TRPH	<input type="checkbox"/> ETHANOL	<input type="checkbox"/> TPH-D	<input type="checkbox"/> OXYGENATES	<input type="checkbox"/> ORO	<input type="checkbox"/> DRO	<input type="checkbox"/> ORO	<input type="checkbox"/> TLC	<input type="checkbox"/> STLC	<input type="checkbox"/> ALKALINITY	<input type="checkbox"/> EPA 413.1	<input type="checkbox"/> EPA 413.1 OIL & GREASE	

SAMPLE ID				Sample Time	# of Containers	Container Type
Field Point Name	Matrix	Top Depth	Date (yymmdd)			
<u>C-1-W-162912</u>	<u>W</u>		<u>11/02/29</u>	<u>0945</u>	<u>6</u>	<u>HCL VOAS</u>
<u>TB-1-W-162912</u>	<u>W</u>		<u>↓</u>	<u>0800</u>	<u>2</u>	<u>↓</u>

Relinquished By [Signature] Company BTS Date/Time: 12/29/16  
 Relinquished By [Signature] Company BTS Date/Time: 1/4/16 1500  
 Relinquished By [Signature] Company ELUE Date/Time: 1/5/17 0940

Relinquished To [Signature] Company BTS Date/Time: 12/29/16 @ 1500  
 Relinquished To [Signature] Company ELUE Date/Time: 1/5/17 0940

Turnaround Time: Standard  24 Hours  48 hours  72 Hours  Other   
 Sample Integrity: (Check by lab on arrival)  
 Intact:  On Ice:  Temp: 2.1 °C  
 COC #



Client: Chevron

**Delivery and Receipt Information**

Delivery Method:	<u>UPS</u>	Arrival Timestamp:	<u>01/05/2017 9:40</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>1</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:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace $\geq$ 6mm:	No
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	2
Samples Intact:	Yes	Trip Blank Type:	HCl
Missing Samples:	No	Air Quality Samples Present:	No
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

*Unpacked by Katherine Metzger (2241) at 14:52 on 01/05/2017*

**Samples Chilled Details**

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

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	2.1	DT	Wet	Y	Bagged	N



# Explanation of Symbols and Abbreviations

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

<b>BMQL</b>	Below Minimum Quantitation Level	<b>mg</b>	milligram(s)
<b>C</b>	degrees Celsius	<b>mL</b>	milliliter(s)
<b>cfu</b>	colony forming units	<b>MPN</b>	Most Probable Number
<b>CP Units</b>	cobalt-chloroplatinate units	<b>N.D.</b>	none detected
<b>F</b>	degrees Fahrenheit	<b>ng</b>	nanogram(s)
<b>g</b>	gram(s)	<b>NTU</b>	nephelometric turbidity units
<b>IU</b>	International Units	<b>pg/L</b>	picogram/liter
<b>kg</b>	kilogram(s)	<b>RL</b>	Reporting Limit
<b>L</b>	liter(s)	<b>TNTC</b>	Too Numerous To Count
<b>lb.</b>	pound(s)	<b>µg</b>	microgram(s)
<b>m3</b>	cubic meter(s)	<b>µL</b>	microliter(s)
<b>meq</b>	milliequivalents	<b>umhos/cm</b>	micromhos/cm
<b>&lt;</b>	less than		
<b>&gt;</b>	greater than		
<b>ppm</b>	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.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	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:

- 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...
- W - The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.

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.

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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



## SORBENT SOCK EVALUATION FORM

Name: <u>Darren Suto</u>	Date: <u>12-29-16</u>	Project Number: <u>161229-DS1</u>
Site Address: <u>3135 gibbons dr.</u>	Well ID: <u>C-1</u>	Weather: <u>Sunny</u>

1) Time absorbent sock removed from well for inspection: 0830

2) Condition of sock:

a) Length of sock showing product saturation: 11 inches

b) Length of sock showing dryness: 9 inches

c) Color of sock showing product saturation: Dark Brown

d) Weight of the removed sock: 0.26 Kg / 0.55 lbs / 0<sup>11</sup>/<sub>16</sub> oz

e) Weight of a new/clean/dry sock: 0.16 Kg / 0.36 lbs / 5<sup>3</sup>/<sub>4</sub> oz

f) Difference in weight: (D-E) to 0.01 ounces. 0.10 Kg / 0.19 lbs / 3<sup>1</sup>/<sub>4</sub> oz

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? (%) 1/4

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

a) Depth to product: 2.54

b) Depth to water: 2.50

c) Thickness of product: (b-a) 0.02

6) Size and type of sock installed 20" sock

7) Comments: \_\_\_\_\_