



Brian Waite  
Project Manager  
Marketing Business Unit

Chevron Environmental  
Management Company  
6101 Bollinger Canyon Road  
San Ramon, CA 94583  
Tel (925) 790-6486  
BWaite@Chevron.com

December 12, 2012

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

**RECEIVED**

*By Alameda County Environmental Health at 8:23 am, Dec 19, 2012*

Re: Chevron Facility # 96991

Address: 2920 Castro Valley Boulevard, Castro Valley, CA

I have reviewed the attached report titled Second Semi-Annual 2012 Groundwater Monitoring Report and dated December 12, 2012.

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

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

I declare under penalty of perjury that the foregoing is true and correct.

Sincerely,

**Brian A. Waite**

Digitally signed by Brian A. Waite  
DN: cn=Brian A. Waite, o=Chevron Environmental Management Company,  
ou=Marketing Business Unit, email=BWaite@chevron.com, c=US  
Date: 2012.12.12 12:29:37 -08'00'

Brian Waite  
Project Manager

Enclosure: Report



**CONESTOGA-ROVERS  
& ASSOCIATES**

10969 Trade Center Drive  
Rancho Cordova, California 95670  
Telephone: (916) 889-8900 Fax: (916) 889-8999  
[www.CRAworld.com](http://www.CRAworld.com)

December 12, 2012

Reference No. 611633D

Mr. Mark Detterman, P.G., C.E.G.  
Alameda County Environmental Health (ACEH)  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502-6577

Re: Second Semi-Annual 2012 Groundwater Monitoring Report  
Chevron Service Station 96991  
2920 Castro Valley Boulevard  
Castro Valley, California  
Case No. RO0000475

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Dear Mr. Detterman:

Conestoga-Rovers & Associates (CRA) is submitting this *Second Semi-Annual 2012 Groundwater Monitoring Report* for the site referenced above (Figure 1) on behalf of Chevron Environmental Management Company (Chevron). Groundwater monitoring and sampling was performed by Gettler-Ryan Inc. (G-R) of Dublin, California. A copy of G-R's *Groundwater Monitoring and Sampling Report* is included as Attachment A. Current and historical groundwater monitoring data are presented in Tables 1 and 2 of Attachment A. A copy of the laboratory analytical report is also included in Attachment A.

#### **RESULTS OF SECOND SEMI-ANNUAL 2012 EVENT**

On September 14, 2012, G-R gauged the active site wells and sampled wells MW-2, MW-6 and MW-7 per the established schedule.

Results of the current monitoring event indicate the following:

- |                              |  |
|------------------------------|--|
| • Groundwater Flow Direction | Southwest (see Figure 1 of Attachment A) |
| • Hydraulic Gradient         | 0.01                                     |
| • Approximate Depth to Water | 11 to 12 feet below grade                |

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The analytical results of the current sampling event are presented below in Table A and summarized on Figure 2.

TABLE A: GROUNDWATER ANALYTICAL DATA							
Well ID	TPHd (µg/L)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)
MW-1	Sampled Annually						
MW-2	620	70	<0.5	<0.5	<0.5	<0.5	49
MW-4	Sampled Annually						
MW-6	65	<50	<0.5	<0.5	<0.5	<0.5	0.5
MW-7	700	1,100	<0.5	<0.5	<0.5	<0.5	16
<b>ESL</b>	<b>210</b>	<b>210</b>	<b>46</b>	<b>130</b>	<b>43</b>	<b>100</b>	<b>1,800</b>
µg/L	Micrograms per liter						
<	Indicates constituent was not detected at or above laboratory reporting limit						
ESL	Groundwater Environmental Screening Level - Table B, Groundwater is not a current or potential source of drinking water - RWQCB, May 2008						

## CONCLUSIONS AND RECOMMENDATIONS

Results of this semi-annual groundwater monitoring and sampling event indicate:

- Current dissolved concentrations were within the range of recent fluctuations.
- Low concentrations of total petroleum hydrocarbons as diesel (TPHd) remain in onsite wells MW-2 and MW-7. Although fluctuations occur, the concentrations in MW-2 have remained relatively stable overall, while those in MW-7 have significantly declined.
- TPH as gasoline (TPHg) was detected in MW-2 for the first time since 2001; however, the detected concentration was just above the reporting limit. Although fluctuations occur, the TPHg concentrations in MW-7 have remained relatively stable overall.
- No benzene, toluene, ethylbenzene, and xylenes (BTEX) were detected in MW-2 or MW-7, and generally have not been detected in these wells for at least several years.
- Low concentrations (significantly below the ESL) of methyl tertiary butyl ether (MTBE) also remain in MW-2 and MW-7. The concentrations have remained relatively stable over the past several years, and are well below historical maximums.
- Only low concentrations (equal to or just above the reporting limit) of TPHd and MTBE remain in downgradient well MW-6. The MTBE concentrations have declined, while the TPHd concentrations have remained stable, over the past several years.



**CONESTOGA-ROVERS  
& ASSOCIATES**

December 12, 2012

Reference No. 611633D

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- The plume appears to be stable and adequately defined.

CRA, on behalf of Chevron, recently submitted the November 16, 2012 *Addendum to Case Closure Request*, in which case closure was requested based on the recently enacted *Low-Threat Underground Storage Tank Case Closure Policy*. As the site meets the low-threat closure criteria, no further monitoring is recommended. As stated in the addendum, unless directed otherwise by ACEH, Chevron plans to temporarily discontinue groundwater monitoring at the site pending a response to the closure request.

#### **ANTICIPATED FUTURE ACTIVITIES**

##### ***Groundwater Monitoring***

As stated above, no further groundwater monitoring is planned at this time.

We appreciate your assistance on this project. Please contact Mr. James Kiernan at (916) 889-8917 if you have any questions or require additional information.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

James P. Kiernan, P.E.



JK/aa/15  
Encl.



**CONESTOGA-ROVERS  
& ASSOCIATES**

December 12, 2012

Reference No. 611633D

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Figure 1            Vicinity Map  
Figure 2            Concentration Map  
  
Attachment A        Groundwater Monitoring and Sampling Report

cc:    Mr. Brian Waite, Chevron (*electronic copy*)  
      K&K Petroleum, LLC

## FIGURES



SOURCE: TOPO! MAPS.

Figure 1

VICINITY MAP  
 CHEVRON SERVICE STATION 96991  
 2920 CASTRO VALLEY BOULEVARD  
*Castro Valley, California*



**LEGEND**

- SITE MONITORING WELL LOCATION
- ▭ 1990 EXCAVATION LIMITS
- WELL**
- TPHD CONCENTRATION (µg/L)
- TPHG CONCENTRATION (µg/L)
- BENZENE CONCENTRATION (µg/L)
- MTBE CONCENTRATION (µg/L)
- NS NOT SAMPLED

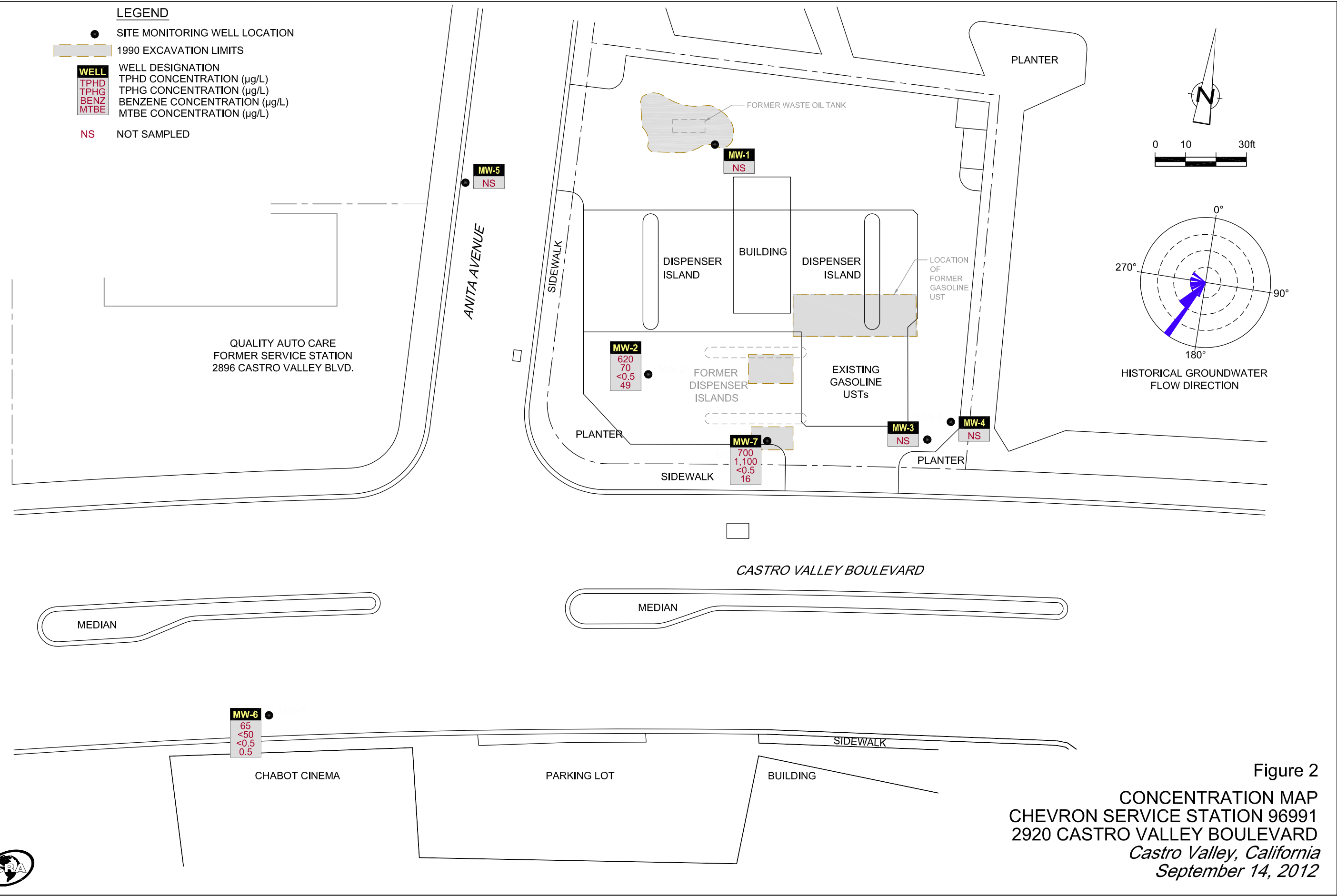


Figure 2  
 CONCENTRATION MAP  
 CHEVRON SERVICE STATION 96991  
 2920 CASTRO VALLEY BOULEVARD  
 Castro Valley, California  
 September 14, 2012





ATTACHMENT A

GROUNDWATER MONITORING AND SAMPLING REPORT



# GETTLER-RYAN INC.



October 17, 2012  
G-R Job #385296

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

**RE: Second Semi-Annual Event of September 14, 2012**  
Groundwater Monitoring & Sampling Report  
Chevron Service Station #9-6991  
2920 Castro Valley Boulevard  
Castro Valley, California

Dear Ms. Fischer:

This report documents the most recent groundwater monitoring and sampling event performed by Gettler-Ryan Inc. (G-R) at the referenced site. All field work was conducted in accordance with G-R Standard Operating Procedure - Groundwater Sampling (attached).

Static groundwater levels were measured and the wells were checked for the presence of separate-phase hydrocarbons. Static water level data, groundwater elevations, and separate-phase hydrocarbon thickness (if any) are presented in the attached Table 1. A Potentiometric Map is included as Figure 1.

Groundwater samples were collected from the monitoring wells and submitted to a state certified laboratory for analyses. The field data sheets for this event are attached. Analytical results are presented in the table(s) listed below. The chain of custody document and the laboratory analytical reports are also attached. All groundwater and decontamination water generated during sampling activities was removed from the site, per the Standard Operating Procedure.

Please call if you have any questions or comments regarding this report. Thank you.

Sincerely,

Deanna L. Harding  
Project Coordinator

Douglas J. Lee  
Senior Geologist, P.G. No. 6882

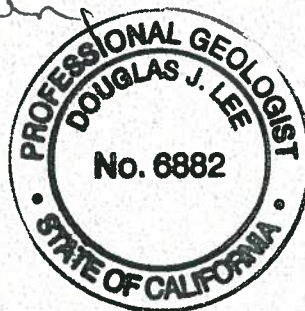
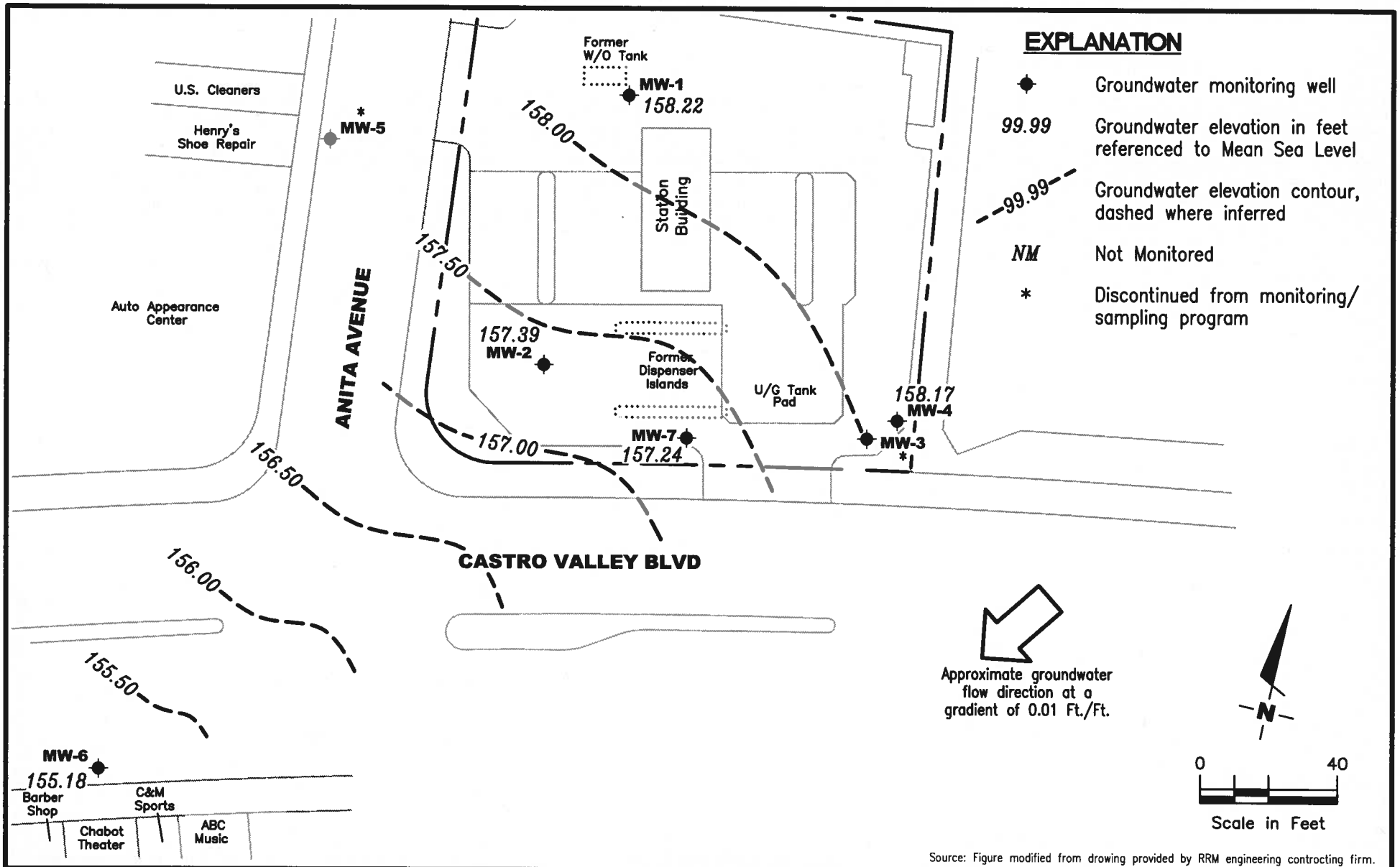


Figure 1: Potentiometric Map  
Table 1: Groundwater Monitoring Data and Analytical Results  
Table 2: Field Measurements and Analytical Results  
Attachments: Standard Operating Procedure - Groundwater Sampling  
Field Data Sheets  
Chain of Custody Document and Laboratory Analytical Reports



**GETTLER - RYAN INC.**  
 6747 Sierra Court, Suite J  
 Dublin, CA 94568 (925) 551-7555

**POTENTIOMETRIC MAP**  
 Chevron Service Station #9-6991  
 2920 Castro Valley Boulevard  
 Castro Valley, California

FIGURE  
**1**

PROJECT NUMBER  
**385296**

REVIEWED BY

DATE

September 14, 2012

REVISED DATE

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-6991  
2920 Castro Valley Boulevard  
Castro Valley, California

WELL ID/ DATE	TOC (fL)	GWE (msl)	DTW (fL)	TPH-DRO (ug/L)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	ETHANOL (ug/L)
<b>MW-1</b>												
10/08/91	169.30	158.20	11.10	--	230	45	<0.5	0.9	9.1	--	<5,000	--
11/04/91	169.30	158.27	11.03	--	340	120	<0.5	<0.5	6.1	--	--	--
12/04/91	169.30	158.25	11.05	170	<50	3.9	<0.5	<0.5	<0.5	--	<5,000	--
06/05/92	169.30	158.26	11.04	<50	100	26	0.6	0.5	1.0	--	--	--
10/27/92	169.30	158.20	11.10	54	<50	11	<0.5	<0.5	<0.5	--	--	--
12/30/92	169.30	--	--	170	<50	24	<0.5	<0.5	<0.5	--	--	--
01/27/93	169.30	158.67	10.63	--	--	--	--	--	--	--	--	--
03/05/93	169.30	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
03/17/93	169.30	158.59	10.71	--	--	--	--	--	--	--	--	--
06/18/93	169.30	158.29	11.01	<50	<50	0.6	<0.5	<0.5	<1.5	--	--	--
09/28/93	169.30	157.35	11.95	<50	<50	0.8	<0.5	<0.5	<1.5	--	--	--
12/30/93	169.30	158.34	10.96	<50	<50	8.5	<0.5	<0.5	<0.5	--	--	--
04/07/94	169.30	158.49	10.81	<10	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
05/31/94	169.30	158.38	10.92	<50	<50	1.0	<0.5	<0.5	<0.5	--	--	--
09/23/94	169.30	158.40	10.90	<50	<50	1.3	<0.5	<0.5	<0.5	--	--	--
11/30/94	169.30	158.76	10.54	570 <sup>2</sup>	<50	8.9	<0.5	<0.5	<0.5	--	--	--
03/30/95	169.30	158.60	10.70	110 <sup>1</sup>	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
06/06/95	169.30	158.38	10.92	570 <sup>1</sup>	61	15	<0.5	<0.5	<0.5	--	--	--
09/25/95	169.30	158.30	11.00	550 <sup>1</sup>	<50	4.7	<0.5	<0.5	<0.5	--	--	--
12/28/95	169.30	158.50	10.80	330 <sup>1</sup>	72	9.1	0.65	<0.5	<0.5	6.0	--	--
03/05/96	169.30	159.20	10.10	780 <sup>1</sup>	<50	7.8	<0.5	<0.5	<0.5	<2.5	--	--
09/13/96	169.30	158.28	11.02	SAMPLED ANNUALLY			--	--	--	--	--	--
12/19/96	169.30	158.08	11.22	--	--	--	--	--	--	--	--	--
03/20/97	169.30	158.40	10.90	350 <sup>1</sup>	<50	2.2	<0.5	<0.5	<0.5	<2.5	--	--
06/27/97	169.30	158.27	11.03	--	--	--	--	--	--	--	--	--
09/19/97	169.30	158.34	10.96	--	--	--	--	--	--	--	--	--
12/05/97	169.30	158.62	10.68	--	--	--	--	--	--	--	--	--
03/31/98	169.30	158.67	10.63	760 <sup>1</sup>	<50	6.7	<0.5	<0.5	<0.5	<2.5	--	--
06/19/98	169.30	159.62	9.68	--	--	--	--	--	--	--	--	--
08/13/98	169.30	157.67	11.63	--	--	--	--	--	--	--	--	--
12/17/98	169.30	158.25	11.05	--	--	--	--	--	--	--	--	--
03/19/99	169.30	158.35	10.95	890 <sup>1</sup>	124	14.8	<0.5	<0.5	<0.5	6.49/<2.5 <sup>13</sup>	--	--
06/23/99	169.30	158.23	11.07	--	--	--	--	--	--	--	--	--
09/16/99	169.30	158.41	10.89	--	--	--	--	--	--	--	--	--
12/16/99	169.30	158.46	10.84	--	--	--	--	--	--	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-6991  
2920 Castro Valley Boulevard  
Castro Valley, California

WELL ID/ DATE	TOC (fl)	GWE (msl)	DTW (fl)	TPH-DRO (ug/L)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	ETHANOL (ug/L)
<b>MW-1 (cont)</b>												
03/02/00	169.30	158.83	10.47	2,300 <sup>1</sup>	155	10.4	<0.5	<0.5	<0.5	10.3	--	--
06/30/00	169.30	159.04	10.26	--	--	--	--	--	--	--	--	--
09/30/00	NP	169.30	158.30	11.00	--	--	--	--	--	--	--	--
12/19/00		169.30	158.44	10.86	--	--	--	--	--	--	--	--
03/13/01	NP	169.30	158.45	10.85	-- <sup>14</sup>	50.4	4.50	0.553	0.522	2.10	1.65	--
06/12/01		169.30	158.28	11.02	SAMPLED ANNUALLY		--	--	--	--	--	--
09/18/01		169.30	158.23	11.07	SAMPLED ANNUALLY		--	--	--	--	--	--
12/17/01		169.30	158.59	10.71	SAMPLED ANNUALLY		--	--	--	--	--	--
03/21/02		169.30	158.54	10.76	-- <sup>14</sup>	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
06/08/02		169.30	158.33	10.97	SAMPLED ANNUALLY		--	--	--	--	--	--
09/13/02		169.30	158.28	11.02	SAMPLED ANNUALLY		--	--	--	--	--	--
12/13/02		169.30	158.47	10.83	SAMPLED ANNUALLY		--	--	--	--	--	--
03/17/03		169.30	158.60	10.70	250	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
06/16/03		169.30	158.34	10.96	SAMPLED ANNUALLY		--	--	--	--	--	--
09/15/03		169.30	158.28	11.02	SAMPLED ANNUALLY		--	--	--	--	--	--
12/15/03		169.30	158.71	10.59	SAMPLED ANNUALLY		--	--	--	--	--	--
03/01/04		169.30	158.78	10.52	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--
06/28/04		169.30	158.27	11.03	SAMPLED ANNUALLY		--	--	--	--	--	--
09/13/04		169.30	156.96	12.34	SAMPLED ANNUALLY		--	--	--	--	--	--
12/22/04		169.30	158.38	10.92	SAMPLED ANNUALLY		--	--	--	--	--	--
03/04/05		169.30	158.81	10.49	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--
06/30/05		169.30	158.54	10.76	SAMPLED ANNUALLY		--	--	--	--	--	--
09/16/05		169.30	158.33	10.97	SAMPLED ANNUALLY		--	--	--	--	--	--
12/21/05		169.30	158.70	10.60	--	--	--	--	--	--	--	--
03/21/06 <sup>16</sup>		169.30	158.93	10.37	1,100	<50	0.6	<0.5	<0.5	<0.5	1	<50
06/21/06		169.30	158.37	10.93	SAMPLED ANNUALLY		--	--	--	--	--	--
09/05/06		169.30	158.32	10.98	SAMPLED ANNUALLY		--	--	--	--	--	--
12/28/06		169.30	157.52	11.78	SAMPLED ANNUALLY		--	--	--	--	--	--
03/26/07 <sup>16</sup>		169.30	158.39	10.91	730	<50	0.6	<0.5	<0.5	<0.5	<0.5	<50
06/26/07		169.30	158.30	11.00	SAMPLED ANNUALLY		--	--	--	--	--	--
09/26/07		169.30	158.26	11.04	SAMPLED ANNUALLY		--	--	--	--	--	--
12/20/07		169.30	158.66	10.64	SAMPLED ANNUALLY		--	--	--	--	--	--
02/29/08 <sup>16</sup>	PER	169.30	158.57	10.73	64	87	4	<0.5	<0.5	<0.5	1	<50
05/09/08		169.30	158.38	10.92	SAMPLED ANNUALLY		--	--	--	--	--	--
09/19/08		169.30	158.28	11.02	SAMPLED ANNUALLY		--	--	--	--	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-6991  
2920 Castro Valley Boulevard  
Castro Valley, California

WELL ID/ DATE	TOC (fl)	GWE (msl)	DTW (fl)	TPH-DRO (ug/L)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	ETHANOL (ug/L)
<b>MW-1 (cont)</b>												
12/04/08	169.30	158.28	11.02	SAMPLED ANNUALLY		--	--	--	--	--	--	--
03/05/09 <sup>16</sup>	PER-NP <sup>23</sup>	169.30	159.10	10.20	77	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<50
06/23/09		169.30	158.36	10.94	SAMPLED ANNUALLY		--	--	--	--	--	--
09/01/09		169.30	158.26	11.04	SAMPLED ANNUALLY		--	--	--	--	--	--
03/16/10 <sup>16</sup>	PER	169.30	158.75	10.55	1,200	70	3	<0.5	<0.5	<0.5	1	--
09/21/10		169.30	158.20	11.10	SAMPLED ANNUALLY		--	--	--	--	--	--
03/23/11 <sup>16</sup>	PER	169.30	159.02	10.28	180	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/23/11		169.30	158.28	11.02	SAMPLED ANNUALLY		--	--	--	--	--	--
03/20/12 <sup>16</sup>	PER	169.30	158.73	10.57	70	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
<b>09/14/12</b>		<b>169.30</b>	<b>158.22</b>	<b>11.08</b>	<b>SAMPLED ANNUALLY</b>		--	--	--	--	--	--
<b>MW-2</b>												
10/08/91	169.15	157.20	11.95	--	110	5.1	1.1	0.8	26	--	--	--
11/19/91	169.15	157.40	11.75	--	120	11	1.1	<0.5	17	--	--	--
12/04/91	169.15	157.35	11.80	130	440	30	2.5	<0.5	52	--	--	--
06/05/92	169.15	157.35	11.80	130	80	13	<0.5	<0.5	1.0	--	--	--
10/27/92	169.15	157.15	12.00	110	54	13	<0.5	<0.5	<0.5	--	--	--
12/30/92	169.15	--	--	92	180	30	<0.5	<0.5	1.0	--	--	--
01/27/93	169.15	158.24	10.91	--	--	--	--	--	--	--	--	--
03/05/93	169.15	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
03/17/93	169.15	158.26	10.89	--	--	--	--	--	--	--	--	--
06/18/93	169.15	157.41	11.74	<50	<50	1.4	<0.5	<0.5	<1.5	--	--	--
09/28/93	169.15	157.97	11.18	<50	<50	0.6	<0.5	<0.5	<1.5	--	--	--
12/30/93	169.15	158.34	21.00	<50	<50	0.9	<0.5	<0.5	<0.5	--	--	--
04/07/94	169.15	158.40	10.75	<10	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
05/31/94	169.15	158.35	10.80	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
09/23/94	169.15	157.50	11.65	120	<50	0.7	<0.5	<0.5	<0.5	--	--	--
11/30/94	169.15	158.41	10.74	570 <sup>4</sup>	55	2.9	<0.5	1.4	0.94	--	--	--
03/30/95	169.15	158.25	10.90	430 <sup>1</sup>	91	4.5	<0.5	3.8	<0.5	--	--	--
06/06/95	169.15	157.73	11.42	410 <sup>1</sup>	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
09/25/95	169.15	157.52	11.63	220 <sup>1</sup>	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/28/95	169.15	157.98	11.17	120 <sup>1</sup>	<2,000	<20	<20	<20	<20	5,000	--	--
03/05/96	169.15	159.09	10.06	860 <sup>1</sup>	<2,000	<20	<20	<20	<20	10,000	--	--
09/13/96	169.15	157.37	11.78	1,300	1,100	25	<10	<10	<10	20,000	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-6991  
2920 Castro Valley Boulevard  
Castro Valley, California

WELL ID/ DATE	TOC (fL)	GWE (msl)	DTW (fL)	TPH-DRO (ug/L)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	ETHANOL (ug/L)
<b>MW-2 (cont)</b>												
12/19/96	169.15	158.30	10.85	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--
03/20/97	169.15	157.75	11.40	190 <sup>1</sup>	2400	<10	<10	46	<10	6,200	--	--
06/27/97	169.15	157.35	11.80	--	--	--	--	--	--	--	--	--
09/19/97	169.15	157.43	11.72	60 <sup>1</sup>	<50	<0.5	<0.5	<0.5	<0.5	280	--	--
12/08/97	169.15	158.27	10.88	--	--	--	--	--	--	--	--	--
03/31/98	169.15	158.46	10.69	220 <sup>1</sup>	110	30	0.74	0.74	0.59	1,000	--	--
06/19/98	169.15	159.31	9.84	--	--	--	--	--	--	--	--	--
08/31/98	169.15	157.43	11.72	380 <sup>1</sup>	<100	3.4	<1.0	<1.0	<1.0	980	--	--
12/17/98	169.15	157.60	11.55	--	--	--	--	--	--	480	--	--
03/19/99	169.15	158.63	10.52	107 <sup>4</sup>	<250	12.7	<2.5	<2.5	<2.5	1,040/819 <sup>13</sup>	--	--
06/23/99	169.15	159.61	9.54	--	--	--	--	--	--	--	--	--
09/16/99	169.15	157.54	11.61	84.9	<100	<1.0	<1.0	<1.0	<1.0	216	--	--
12/16/99	169.15	157.86	11.29	--	--	--	--	--	--	--	--	--
03/02/00	169.15	158.70	10.45	<50	84.8	21.5	<0.5	<0.5	0.636	413	--	--
06/30/00	169.15	159.08	10.07	--	--	--	--	--	--	--	--	--
09/30/00	NP	169.15	157.54	11.61	100 <sup>11</sup>	<50	<0.50	0.57	<0.50	1.0	2,800	--
12/19/00		169.15	158.04	11.11	--	--	--	--	--	--	--	--
03/13/01	NP	169.15	158.22	10.93	-- <sup>14</sup>	179	11.6	2.01	0.856	3.66	1,290	--
06/12/01		169.15	157.52	11.63	--	--	--	--	--	--	--	--
09/18/01	NP	169.15	157.37	11.78	100	<50	<0.50	<0.50	<0.50	<1.5	670	--
12/17/01		169.15	158.29	10.86	SAMPLED SEMI-ANNUALLY			--	--	--	--	--
09/13/02		169.15	157.50	11.65	200	<50	<0.50	<0.50	<0.50	<1.5	260	--
12/13/02		169.15	158.07	11.08	SAMPLED SEMI-ANNUALLY			--	--	--	--	--
03/17/03		169.15	158.38	10.77	NOT SAMPLED DUE TO INSUFFICIENT WATER			--	--	--	--	--
06/16/03		169.15	157.77	11.38	SAMPLED SEMI-ANNUALLY			--	--	--	--	--
09/15/03 <sup>16,17</sup>		169.15	157.55	11.60	110	<50	<0.5	<0.5	<0.5	0.6	400	--
12/15/03		169.15	158.40	10.75	SAMPLED SEMI-ANNUALLY			--	--	--	--	--
03/01/04		169.15	158.49	10.66	NOT SAMPLED DUE TO INSUFFICIENT WATER			--	--	--	--	--
06/28/04		169.15	157.63	11.52	SAMPLED SEMI-ANNUALLY			--	--	--	--	--
09/13/04		169.15	156.27	12.88	NOT SAMPLED DUE TO INSUFFICIENT WATER			--	--	--	--	--
12/22/04		169.15	157.93	11.22	SAMPLED SEMI-ANNUALLY			--	--	--	--	--
03/04/05		169.15	158.58	10.57	NOT SAMPLED DUE TO INSUFFICIENT WATER			--	--	--	--	--
06/30/05		169.15	158.08	11.07	SAMPLED SEMI-ANNUALLY			--	--	--	--	--
09/16/05 <sup>16</sup>	NP	169.15	156.64	12.51	130	<50	<0.5	<0.5	<0.5	<0.5	140	--
12/21/05		169.15	158.41	10.74	SAMPLED SEMI-ANNUALLY			--	--	--	--	<50



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WELL ID/ DATE	TOC (fl.)	GWE (msl)	DTW (fl.)	TPH-DRO (ug/L)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	ETHANOL (ug/L)
<b>MW-2 (cont)</b>												
03/21/06 <sup>16</sup>	169.15	158.74	10.41	72	<50	<0.5	<0.5	<0.5	<0.5	530	--	<50
06/21/06	169.15	157.64	11.51	SAMPLED SEMI-ANNUALLY		--	--	--	--	--	--	--
09/05/06 <sup>16</sup>	169.15	157.51	11.64	620	<50	<0.5	<0.5	<0.5	<0.5	150	--	<50
12/28/06	169.15	158.19	10.96	SAMPLED SEMI-ANNUALLY		--	--	--	--	--	--	--
03/26/07 <sup>16</sup>	169.15	157.74	11.41	86	<50	<0.5	<0.5	<0.5	<0.5	160	--	<50
06/26/07	169.15	157.60	11.55	SAMPLED SEMI-ANNUALLY		--	--	--	--	--	--	--
09/26/07 <sup>16</sup>	169.15	157.52	11.63	140	<50	<0.5	<0.5	<0.5	<0.5	69	--	<50
12/20/07	169.15	158.50	10.65	SAMPLED SEMI-ANNUALLY		--	--	--	--	--	--	--
02/29/08 <sup>16</sup>	PER	169.15	158.18	10.97	73	<50	<0.5	<0.5	<0.5	54	--	<50
05/09/08		169.15	157.74	11.41	SAMPLED SEMI-ANNUALLY		--	--	--	--	--	--
09/19/08	PER	169.15	157.48	11.67	120	<50	<0.5	<0.5	<0.5	12	--	<50
12/04/08		169.15	157.67	11.48	SAMPLED SEMI-ANNUALLY		--	--	--	--	--	--
03/05/09 <sup>16</sup>	PER-NP <sup>23</sup>	169.15	158.65	10.50	<50	<50	<0.5	<0.5	<0.5	55	--	<50
06/23/09		169.15	157.65	11.50	SAMPLED SEMI-ANNUALLY		--	--	--	--	--	--
09/01/09 <sup>16</sup>	PER	169.15	157.55	11.60	75	<50	<0.5	<0.5	<0.5	10	--	--
03/16/10 <sup>16</sup>	PER	169.15	158.50	10.65	120 <sup>24</sup>	<50	<0.5	<0.5	<0.5	23	--	--
09/21/10 <sup>16</sup>	PER	169.15	157.67	11.48	84	<50	1	<0.5	<0.5	32	--	--
03/23/11 <sup>16</sup>	PER	169.15	158.97	10.18	570	<50	<0.5	<0.5	<0.5	91	--	--
09/23/11 <sup>16</sup>	PER	169.15	157.70	11.45	130	<50	<0.5	<0.5	<0.5	50	--	--
03/20/12 <sup>16</sup>	PER	169.15	158.40	10.75	330	<50	0.7	<0.5	<0.5	31	--	--
09/14/12 <sup>16</sup>	PER	169.15	157.39	11.76	620	70	<0.5	<0.5	<0.5	49	--	--
<b>MW-4</b>												
10/27/92		169.18	157.79	11.39	<50	<50	<0.5	0.6	0.5	4.3	--	--
12/30/92		169.18	159.05	10.13	<50	<50	<0.5	<0.5	<0.5	--	--	--
01/27/93		169.18	160.09	9.09	--	--	--	--	--	--	--	--
03/05/93		169.18	--	--	<50	<50	<0.5	<0.5	<0.5	--	--	--
03/17/93		169.18	159.28	9.90	--	--	--	--	--	--	--	--
06/18/93		169.18	158.50	10.68	<50	<50	<0.5	<0.5	<0.5	<1.5	--	--
09/28/93		169.18	159.82	9.36	<50	<50	<0.5	<0.5	<0.5	<1.5	--	--
12/30/93		169.18	159.91	9.27	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/07/94		169.18	160.37	8.81	<10	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/31/94		169.18	160.27	8.91	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/23/94		169.18	158.79	10.39	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--



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WELL ID/ DATE	TOC (fl.)	GWE (msl)	DTW (fl.)	TPH-DRO (ug/L)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	ETHANOL (ug/L)
<b>MW-4 (cont)</b>												
11/30/94	169.18	160.08	9.10	58 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
03/30/95	169.18	160.66	8.52	61 <sup>1</sup>	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
06/06/95	169.18	158.70	10.48	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
09/25/95	169.18	158.38	10.80	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/28/95	169.18	159.23	9.95	<50	<50	<0.5	<0.5	<0.5	<0.5	9.9	--	--
12/21/05 <sup>16</sup>	169.18	159.65	9.53	76 <sup>18</sup>	<50	<0.5	<0.5	<0.5	<0.5	0.7	--	<50
03/21/06 <sup>16</sup>	169.18	160.35	8.83	<50	<50	<0.5	<0.5	<0.5	<0.5	0.5	--	<50
06/21/06 <sup>16</sup>	169.18	158.55	10.63	<50	<50	<0.5	<0.5	<0.5	<0.5	0.8	--	<50
09/05/06 <sup>16</sup>	169.18	158.24	10.94	170	<50	<0.5	<0.5	<0.5	<0.5	1	--	<50
12/28/06 <sup>16</sup>	169.18	159.06	10.12	120	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	<50
03/26/07 <sup>16</sup>	169.18	158.73	10.45	290	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	<50
06/26/07 <sup>16</sup>	169.18	158.22	10.96	<50	<50	<0.5	<0.5	<0.5	<0.5	1	--	<50
09/26/07 <sup>16</sup>	169.18	157.98	11.20	<50	<50	<0.5	<0.5	<0.5	<0.5	0.8	--	<50
12/20/07 <sup>16</sup>	169.18	159.01	10.17	62	<50	<0.5	<0.5	<0.5	<0.5	0.5	--	<50
02/29/08 <sup>16</sup>	169.18	159.32	9.86	180	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	<50
05/09/08 <sup>16</sup>	169.18	158.41	10.77	80	<50	<0.5	<0.5	<0.5	<0.5	0.6	--	<50
09/19/08 <sup>16</sup>	169.18	157.97	11.21	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	<50
12/04/08 <sup>16</sup>	169.18	158.20	10.98	58	<50	<0.5	<0.5	<0.5	<0.5	0.8	--	<50
03/05/09 <sup>16</sup>	169.18	159.36	9.82	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	<50
06/23/09	169.18	158.45	10.73	SAMPLED ANNUALLY		--	--	--	--	--	--	--
09/01/09	169.18	158.10	11.08	SAMPLED ANNUALLY		--	--	--	--	--	--	--
03/16/10 <sup>16</sup>	169.18	159.81	9.37	60 <sup>25</sup>	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
09/21/10	169.18	158.06	11.12	SAMPLED ANNUALLY		--	--	--	--	--	--	--
03/23/11 <sup>16</sup>	169.18	160.39	8.79	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
09/23/11	169.18	158.32	10.86	SAMPLED ANNUALLY		--	--	--	--	--	--	--
03/20/12 <sup>16</sup>	169.18	159.53	9.65	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
<b>09/14/12</b>	<b>169.18</b>	<b>158.17</b>	<b>11.01</b>	<b>SAMPLED ANNUALLY</b>		--	--	--	--	--	--	--
<b>MW-6</b>												
10/27/92	166.46	153.92	12.54	<50	600	22	22	24	130	--	--	--
12/30/92	166.46	156.26	10.20	470	1,700	170	16	46	160	--	--	--
01/27/93	166.46	156.44	10.02	--	--	--	--	--	--	--	--	--
03/05/93	166.46	--	--	150	480	76	0.9	3.1	7.1	--	--	--
03/17/93	166.46	155.79	10.67	--	--	--	--	--	--	--	--	--

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WELL ID/ DATE	TOC (fl.)	GWE (msl)	DTW (fl.)	TPH-DRO (ug/L)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	ETHANOL (ug/L)	
<b>MW-6 (cont)</b>													
06/18/93	166.46	154.63	11.83	51	240	37	3.4	2.9	18	--	--	--	
09/28/93	166.46	154.90	11.56	120	150	11	1.2	1.3	4.3	--	--	--	
12/30/93	166.46	154.81	11.65	290	680	77	5.1	5.5	13	--	--	--	
04/07/94	166.46	155.34	11.12	<10	190	24	2.9	1.9	8.0	--	--	--	
05/31/94	166.46	--	--	--	--	--	--	--	--	--	--	--	
09/23/94	166.46	155.05	11.41	--	--	--	--	--	--	--	--	--	
11/30/94	166.46	156.58	9.88	150 <sup>2</sup>	320	49	0.58	1.4	1.2	--	--	--	
12/15/03 <sup>16</sup>	166.46	156.60	9.86	71	210	0.5	0.9	0.7	2	14	--	<50	
03/01/04 <sup>16,21</sup>	166.46	157.16	9.30	<250	150	<0.5	4	3	18	10	--	<50	
06/28/04 <sup>16,21</sup>	166.46	155.13	11.33	66	100	<0.5	<0.5	<0.5	<0.5	18	--	--	
09/13/04 <sup>16,21</sup>	166.46	154.88	11.58	<50	<50	<0.5	<0.5	<0.5	<0.5	17	--	<50	
12/22/04 <sup>16,21</sup>	166.46	155.75	10.71	300	440	1	1	2	3	10	--	<50	
03/04/05 <sup>16,21</sup>	166.46	157.25	9.21	75	65	<0.5	<0.5	<0.5	1	8	--	<50	
06/30/05 <sup>16,21</sup>	166.46	155.49	10.97	73	<50	<0.5	<0.5	<0.5	<0.5	7	--	<50	
09/16/05 <sup>16,21</sup>	166.46	155.02	11.44	58 <sup>17</sup>	<50	<0.5	<0.5	<0.5	<0.5	13	--	<50	
12/21/05 <sup>16,21</sup>	166.46	156.66	9.80	120 <sup>19</sup>	140	<0.5	<0.5	<0.5	1	8	--	<50	
03/21/06 <sup>16,21</sup>	166.46	157.54	8.92	75	52	<0.5	<0.5	0.9	3	8	--	<50	
06/21/06 <sup>16,21</sup>	166.46	155.38	11.08	56	92	<0.5	<0.5	0.5	2	10	--	<50	
09/05/06 <sup>16,21</sup>	166.46	155.07	11.39	67	62	<0.5	<0.5	<0.5	<0.5	9	--	<50	
12/28/06 <sup>16,21</sup>	166.46	156.32	10.14	300	260	<0.5	0.5	<0.5	1	3	--	<50	
03/26/07 <sup>21</sup>	166.46	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--
06/26/07 <sup>16</sup>	166.46	155.32	11.14	67	<50	<0.5	<0.5	<0.5	<0.5	8	--	<50	
09/26/07 <sup>16</sup>	166.46	155.02	11.44	84	180	<0.5	0.5	3	5	6	--	--	
12/20/07 <sup>16</sup>	166.46	156.41	10.05	220	530	<0.5	0.7	1	7	2	--	-- <sup>22</sup>	
02/29/08 <sup>16</sup>	166.46	156.49	9.97	110	110	<0.5	<0.5	1	4	4	--	<50	
05/09/08 <sup>16</sup>	166.46	155.19	11.27	100	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	<50	
09/19/08 <sup>16</sup>	166.46	154.85	11.61	<50	<50	<0.5	<0.5	<0.5	<0.5	5	--	<50	
12/04/08 <sup>16</sup>	166.46	155.08	11.38	<50	<50	<0.5	<0.5	<0.5	<0.5	5	--	<50	
03/05/09 <sup>16</sup>	166.46	157.57	8.89	140	160	<0.5	<0.5	1	7	2	--	<50	
06/23/09	166.46	155.14	11.32	SAMPLED SEMI-ANNUALLY			--	--	--	--	--	--	
09/01/09 <sup>16</sup>	166.46	154.82	11.64	52	<50	<0.5	<0.5	<0.5	<0.5	5	--	--	
03/16/10 <sup>16</sup>	166.46	156.78	9.68	76 <sup>25</sup>	100	<0.5	<0.5	0.7	7	0.7	--	--	
09/21/10 <sup>16</sup>	166.46	154.98	11.48	51	<50	<0.5	<0.5	<0.5	<0.5	3	--	--	
03/23/11	166.46	INACCESSIBLE - VEHICLE PARKED OVER WELL					--	--	--	--	--	--	--

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2920 Castro Valley Boulevard  
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WELL ID/ DATE	TOC (fl)	GWE (msl)	DTW (fl)	TPH-DRO (ug/L)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	ETHANOL (ug/L)
<b>MW-6 (cont)</b>												
09/23/11 <sup>16</sup>	166.46	155.41	11.05	150	340	<0.5	<0.5	0.9	3	1	--	--
03/20/12 <sup>16</sup>	166.46	157.06	9.40	52	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
09/14/12 <sup>16</sup>	166.46	155.18	11.28	65	<50	<0.5	<0.5	<0.5	<0.5	0.5	--	--
<b>MW-7</b>												
09/25/95	168.80	157.20	11.60	1,400 <sup>1</sup>	220	0.79	<0.5	0.67	<0.5	--	--	--
12/28/95	168.80	158.14	10.66	590 <sup>1</sup>	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
03/05/96	168.80	159.74	9.06	320 <sup>1</sup>	1,400	<10	<10	47	<10	5,300	--	--
06/27/96	168.80	157.27	11.53	630 <sup>1</sup>	<2,500	<25	<25	<25	<25	14,000	--	--
09/13/96	168.80	156.88	11.92	1,400	1,100	26	<10	24	<10	20,000	--	--
12/19/96	168.80	158.29	10.51	1,100 <sup>3</sup>	<5,000	<50	<50	<50	<50	12,000	--	--
03/20/97	168.80	157.84	10.96	1,600 <sup>3</sup>	<1,000	<10	<10	<10	<10	2,100/2,000 <sup>13</sup>	--	--
06/27/97	168.80	157.02	11.78	1,600 <sup>1</sup>	2,000	<20	<20	<20	<20	11,000	--	--
09/19/97	168.80	156.87	11.93	1,900 <sup>1</sup>	<1,000	35	<10	<10	<10	13,000	--	--
12/05/97	168.80	158.40	10.40	1,100 <sup>1</sup>	2,100	47	2.7	28	<2.5	15,000	--	--
03/31/98	168.80	158.89	9.91	780 <sup>1</sup>	410	4.0	0.61	2.2	<0.5	<2.5	--	--
06/19/98	168.80	159.09	9.71	480 <sup>1</sup>	1,100	16	<10	17	<10	12,000	--	--
08/31/98	168.80	157.11	11.69	580 <sup>4</sup>	<500	350	22	<5.0	<5.0	47,000	--	--
12/17/98	168.80	157.70	11.10	970	1,800	<10	<10	24	<10	13,000/14,000 <sup>13</sup>	--	--
03/19/99	168.80	158.51	10.29	615 <sup>1</sup>	1,280	<5.0	5.0	16.3	<5.0	2,240/2,910 <sup>13</sup>	--	--
06/23/99	168.80	157.25	11.55	1,240 <sup>1</sup>	<5,000	<50	<50	<50	<50	18,000	--	--
09/16/99	168.80	157.31	11.49	2,230	<5,000	<50	<50	<50	<50	13,700	--	--
12/16/99	168.80	158.27	10.53	973 <sup>1</sup>	1,330	<1.0	6.44	14	5.17	10,800	--	--
03/02/00	168.80	159.25	9.55	880 <sup>1</sup>	1,980	7.22	<5.0	6.11	<5.0	4,230	--	--
06/30/00	168.80	157.68	11.12	620 <sup>7</sup>	2,500 <sup>6</sup>	6.0	8.5	16	72	6,900	--	--
09/30/00	NP	157.23	11.57	1,600 <sup>7</sup>	1,700 <sup>10</sup>	750	<5.0	<5.0	<5.0	7,300	--	--
12/19/00	168.80	158.26	10.54	1,100 <sup>12</sup>	1,800 <sup>10</sup>	<10	<10	<10	<10	4,900	--	--
03/13/01	168.80	158.74	10.06	1,500 <sup>12</sup>	1,470	9.34	5.09	6.08	2.69	2,920	--	--
06/12/01	168.80	157.45	11.35	910 <sup>15</sup>	920 <sup>10</sup>	260	4.2	9.7	2.8	4,500	--	--
09/18/01	168.80	156.87	11.93	3,000	2,000	<0.50	<0.50	<0.50	<1.5	5,300	--	--
12/17/01	168.80	157.99	10.81	7,000	1,700	<5.0	<0.50	7.1	<1.5	4,100	--	--
03/21/02	168.80	158.56	10.24	13,000	3,200	<5.0	<0.50	24	<1.5	980	--	--
06/08/02	168.80	157.32	11.48	3,500	1,500	3.6	<0.50	8.5	<1.5	2,800	--	--
09/13/02	168.80	157.02	11.78	2,400	1,200	1.8	<1.0	2.8	<1.5	3,300	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-6991  
2920 Castro Valley Boulevard  
Castro Valley, California

WELL ID/ DATE	TGC (fl)	GWE (msl)	DTW (fl)	TPH-DRO (ug/L)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	ETHANOL (ug/L)
<b>MW-7 (cont)</b>												
12/13/02	168.80	157.97	10.83	3,400	1,100	2.4	<0.50	2.3	<1.5	2,000	--	--
03/17/03	168.80	158.71	10.09	3,700	1,600	<10	<0.50	5.1	<1.5	1,000	--	--
06/16/03 <sup>16</sup>	168.80	157.81	10.99	4,400	2,500	1	0.5	14	<0.5	260	--	--
09/15/03 <sup>16</sup>	168.80	157.38	11.42	4,700	1,700	1	<0.5	6	0.5	790	--	<50
12/15/03 <sup>16</sup>	168.80	158.58	10.22	3,200	610	<0.5	<0.5	1	<0.5	780	--	<50
03/01/04 <sup>16</sup>	168.80	159.19	9.61	2,200	1,500	<0.5	<0.5	4	<0.5	16	--	<50
06/28/04 <sup>16</sup>	168.80	157.38	11.42	3,700	2,500	2	<0.5	8	<0.5	300	--	--
09/13/04 <sup>16</sup>	168.80	156.78	12.02	2,000	2,000	1	<1	4	<1	700	--	<100
12/22/04 <sup>16</sup>	168.80	158.39	10.41	1,300	970	0.8	<0.5	5	<0.5	370	--	<50
03/04/05 <sup>16</sup>	168.80	159.12	9.68	890	790	<0.5	<0.5	1	<0.5	5	--	<50
06/30/05 <sup>16</sup>	168.80	157.63	11.17	2,600	1,300	<0.5	<0.5	3	<0.5	68	--	<50
09/16/05 <sup>16</sup>	168.80	157.29	11.51	1,300	1,200	<0.5	<0.5	1	<0.5	380	--	<50
12/21/05 <sup>16</sup>	168.80	158.74	10.06	1,600 <sup>20</sup>	1,300	<0.5	<0.5	2	<0.5	170	--	<50
03/21/06 <sup>16</sup>	168.80	159.28	9.52	2,800	810	<0.5	<0.5	<0.5	<0.5	200	--	<50
06/21/06 <sup>16</sup>	168.80	157.35	11.45	1,100	1,800	0.5	<0.5	2	<0.5	260	--	<50
09/05/06 <sup>16</sup>	168.80	157.01	11.79	2,100	910	<0.5	<0.5	<0.5	<0.5	370	--	<50
12/28/06 <sup>16</sup>	168.80	158.34	10.46	7,200	2,700	0.5	<0.5	3	<0.5	140	--	<50
03/26/07 <sup>16</sup>	168.80	157.46	11.34	6,500	1,300	<0.5	<0.5	1	<0.5	150	--	<50
06/26/07 <sup>16</sup>	168.80	157.15	11.65	2,100	1,900	0.6	<0.5	2	<0.5	170	--	<50
09/26/07 <sup>16</sup>	168.80	156.98	11.82	2,200	670	<0.5	<0.5	<0.5	<0.5	420	--	<50
12/20/07 <sup>16</sup>	168.80	158.23	10.57	4,300	2,600	0.8	<0.5	4	<0.5	130	--	<50
02/29/08 <sup>16</sup>	168.80	158.56	10.24	2,400	1,400	<0.5	<0.5	2	<0.5	35	--	<50
05/09/08 <sup>16</sup>	168.80	157.27	11.53	1,700	2,200	0.6	0.6	2	<0.5	76	--	<50
09/19/08 <sup>16</sup>	168.80	156.86	11.94	10,000	610	<0.5	<0.5	<0.5	<0.5	430	--	<50
12/04/08 <sup>16</sup>	168.80	157.16	11.64	3,000	1,100	<0.5	<0.5	<0.5	<0.5	440	--	<50
03/05/09 <sup>16</sup>	168.80	159.46	9.34	1,000	2,100	<0.5	<0.5	3	<0.5	57	--	<50
06/23/09 <sup>16</sup>	168.80	157.41	11.39	2,300	1,800	<0.5	<0.5	1	<0.5	100	--	--
09/01/09 <sup>16</sup>	168.80	156.88	11.92	6,800	2,100	<0.5	<0.5	1	<0.5	150	--	--
03/16/10 <sup>16</sup>	168.80	158.99	9.81	5,500	1,700	<0.5	<0.5	2	<0.5	9	--	--
09/21/10 <sup>16</sup>	168.80	157.19	11.61	1,200	2,800	<0.5	<0.5	0.7	<0.5	16	--	--
03/23/11 <sup>16</sup>	168.80	159.59	9.21	360	76	<0.5	<0.5	<0.5	<0.5	0.6	--	--
09/23/11 <sup>16</sup>	168.80	157.32	11.48	340	420	<0.5	<0.5	<0.5	<0.5	14	--	--
03/20/12 <sup>16</sup>	168.80	158.87	9.93	590	290	<0.5	<0.5	<0.5	<0.5	2	--	--
09/14/12 <sup>16</sup>	168.80	157.24	11.56	700	1,100	<0.5	<0.5	<0.5	<0.5	16	--	--

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Chevron Service Station #9-6991  
2920 Castro Valley Boulevard  
Castro Valley, California

WELL ID/ DATE	TOC (fl)	GWE (mst)	DTW (fl)	TPH-DRO (ug/L)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	ETHANOL (ug/L)
<b>MW-3</b>												
10/08/91	169.11	160.84	8.27	--	81	1.9	0.7	0.8	2.4	--	--	--
11/04/91	169.11	158.26	10.85	--	60	<0.5	<0.5	<0.5	<0.5	--	--	--
12/04/91	169.11	158.06	11.05	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
06/05/92	169.11	157.96	11.15	170	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
10/27/92	169.11	157.51	11.60	120	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/30/92	169.11	--	--	170	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
01/27/93	169.11	160.00	9.11	--	--	--	--	--	--	--	--	--
03/05/93	169.11	--	--	--	--	--	--	--	--	--	--	--
03/17/93	169.11	159.16	9.95	--	--	--	--	--	--	--	--	--
06/18/93	169.11	158.22	10.89	<50	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
09/28/93	169.11	159.49	9.62	<50	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
12/30/93	169.11	159.80	9.31	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
04/07/94	169.11	160.30	8.81	<10	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
05/31/94	169.11	160.21	8.90	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
09/23/94	169.11	158.48	10.63	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
11/30/94	169.11	160.19	8.92	--	--	--	--	--	--	--	--	--
03/30/95	169.11	160.01	9.10	290 <sup>1</sup>	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
06/06/95	169.11	158.79	10.32	150 <sup>1</sup>	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
09/25/95	169.11	158.11	11.00	260 <sup>1</sup>	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/28/95	169.11	158.96	10.15	200 <sup>1</sup>	<250	<2.5	<2.5	<2.5	<2.5	1,400	--	--
12/17/98	169.11	158.86	10.25	130 <sup>1</sup>	<250	<2.5	<2.5	<2.5	<2.5	62,000	--	--
03/19/99	169.11	159.37	9.74	139 <sup>1</sup>	<1,000	<10	<10	<10	<10	5,650/5,850 <sup>13</sup>	--	--
06/23/99	169.11	158.40	10.71	61.6 <sup>1</sup>	<2,000	<20	<20	<20	<20	6,700	--	--
09/16/99	169.11	157.44	11.67	122	<1,000	<10	<10	<10	<10	1,910	--	--
12/16/99	169.11	158.79	10.32	--	--	--	--	--	--	5,850	--	--
12/20/00	169.11	158.91	10.20	96.8 <sup>1</sup>	65.2	<0.5	<0.5	<0.5	<0.5	1,790	--	--
03/02/00	169.11	160.26	8.85	<50	<50	<0.5	<0.5	<0.5	<0.5	5,600	--	--
06/30/00	169.11	158.81	10.30	<50	360 <sup>5</sup>	<0.50	<0.50	<0.50	<0.50	1,300	--	--
09/30/00	NP	169.11	158.07	11.04	--	150 <sup>9</sup>	75	<1.3	<1.3	<1.3	8,200	--
12/19/00	NP	169.11	159.06	10.05	-- <sup>14</sup>	<1,000	<10	<10	<10	<10	4,600	--
03/13/01	NP	169.11	159.76	9.35	-- <sup>14</sup>	284	0.601	1.00	<0.500	1.27	3,670	--
06/12/01	NP	169.11	158.08	11.03	<50	140 <sup>9</sup>	67	<0.50	<0.50	<0.50	2,600	--
09/18/01	NP	169.11	157.96	11.15	100	240	<0.50	<0.50	<0.50	<1.5	3,200	--
12/17/01		169.11	159.22	9.89	270	55	<0.50	<0.50	<0.50	<1.5	930	--

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WELL ID/ DATE	TOC (fl.)	GWE (msl)	DTW (fl.)	TPH-DRO (ug/L)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	ETHANOL (ug/L)
<b>MW-3 (cont)</b>												
03/21/02	169.11	159.38	9.73	290	190	<0.50	<0.50	<0.50	<1.5	2,600	--	--
06/08/02	169.11	158.21	10.90	110	110	<0.50	<0.50	<0.50	<1.5	2,200	--	--
09/13/02	169.11	158.26	10.85	<50	<50	<0.50	<0.50	<0.50	<1.5	650	--	--
12/13/02	169.11	159.11	10.00	120	<50	<0.50	<0.50	<0.50	<1.5	450	--	--
03/17/03	169.11	159.66	9.45	370	80	<0.50	<0.50	<0.50	<1.5	1,600	--	--
06/16/03	169.11	158.98	10.13	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--	--
09/15/03	169.11	157.85	11.26	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--	--
12/15/03 <sup>16</sup>	169.11	159.78	9.33	-- <sup>14</sup>	<50	<0.5	3	0.6	4	220	--	<50
03/01/04	169.11	159.22	9.89	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--	--
06/28/04 <sup>16</sup>	169.11	158.26	10.85	95	<50	<0.5	<0.5	<0.5	<0.5	980	--	--
09/13/04	169.11	DRY AT 12.96 FEET		--	--	--	--	--	--	--	--	--
12/22/04 <sup>16</sup>	NP	169.11	159.14	9.97	-- <sup>14</sup>	53	<0.5	<0.5	<0.5	110	--	<50
03/04/05 <sup>16</sup>	NP	169.11	159.68	9.43	<50	<50	<0.5	<0.5	<0.5	460	--	<50
06/30/05 <sup>16</sup>	NP	169.11	158.66	10.45	58 <sup>17</sup>	<50	<0.5	<0.5	<0.5	600	--	<50
09/16/05 <sup>16</sup>	NP	169.11	158.26	10.85	-- <sup>14</sup>	<50	<0.5	<0.5	<0.5	530	--	<50
NOT MONITORED/SAMPLED												
<b>MW-5</b>												
10/27/92	167.41	157.46	9.95	<50	74	<0.5	<0.5	0.6	7.1	--	--	--
12/30/92	167.41	158.21	9.20	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
01/27/93	167.41	157.80	9.61	--	--	--	--	--	--	--	--	--
03/05/93	167.41	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
03/17/93	167.41	157.90	9.51	--	--	--	--	--	--	--	--	--
06/18/93	167.41	157.56	9.85	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
09/28/93	167.41	157.55	9.86	<50	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
12/30/93	167.41	157.08	10.33	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
04/07/94	167.41	157.69	9.72	<10	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
05/31/94	167.41	157.68	9.73	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
09/23/94	167.41	157.56	9.85	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
11/30/94	167.41	157.73	9.68	79 <sup>2</sup>	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
03/30/95	167.41	157.79	9.62	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
06/06/95	167.41	157.55	9.86	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
09/25/95	167.41	157.56	9.85	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/28/95	167.41	157.67	9.74	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
NOT MONITORED/SAMPLED												

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WELL ID/ DATE	TOC (fl)	GWE (mst)	DTW (fl)	TPH-DRO (ug/L)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	ETHANOL (ug/L)
<b>TRIP BLANK</b>												
10/08/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
11/04/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/04/91	--	--	--	<50	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
06/05/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/30/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
01/27/93	--	--	--	<50	--	--	--	--	--	--	--	--
03/05/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
03/17/93	--	--	--	--	--	--	--	--	--	--	--	--
06/18/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
09/28/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/30/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
04/07/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
05/31/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
09/23/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
11/30/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
03/30/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
06/06/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
09/25/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/28/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
03/05/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
06/27/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
09/13/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/19/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
03/20/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
06/27/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
09/19/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
12/05/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
03/31/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
06/19/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
08/31/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
03/19/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--	--
09/16/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
12/16/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
12/20/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
03/02/00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-6991  
2920 Castro Valley Boulevard  
Castro Valley, California

WELL ID/ DATE	TOC (fL)	GWE (msl)	DTW (ft.)	TPH-DRO (ug/L)	TPH-GRO (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE (ug/L)	TOG (ug/L)	ETHANOL (ug/L)
<b>TRIP BLANK (cont)</b>												
06/30/00 <sup>8</sup>	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
09/30/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
12/19/00	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
03/13/01	--	--	--	--	<50.0	<0.500	0.534	<0.500	1.25	<0.500	--	--
06/12/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--	--
09/18/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
<b>QA</b>												
12/17/01	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
03/21/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
06/08/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
09/13/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
12/13/02	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
03/17/03	--	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--	--
06/16/03 <sup>16</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
09/15/03 <sup>16</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
12/15/03 <sup>16</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
03/01/04 <sup>16</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
06/28/04 <sup>16</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
09/13/04 <sup>16</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
12/22/04 <sup>16</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
03/04/05 <sup>16</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
06/30/05 <sup>16</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
09/16/05 <sup>16</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
12/21/05 <sup>16</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
03/21/06 <sup>16</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
06/21/06 <sup>16</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
09/05/06 <sup>16</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
12/28/06 <sup>16</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
03/26/07 <sup>16</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
06/26/07 <sup>16</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
09/26/07 <sup>16</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
12/20/07 <sup>16</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
02/29/08 <sup>16</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
05/09/08 <sup>16</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
09/19/08 <sup>16</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-6991  
2920 Castro Valley Boulevard  
Castro Valley, California

WELL ID/ DATE	TGC ( <i>ft.</i> )	GWE ( <i>mst.</i> )	DTW ( <i>ft.</i> )	TPH-DRO ( <i>ug/L</i> )	TPH-GRO ( <i>ug/L</i> )	B ( <i>ug/L</i> )	T ( <i>ug/L</i> )	E ( <i>ug/L</i> )	X ( <i>ug/L</i> )	MTBE ( <i>ug/L</i> )	TOG ( <i>ug/L</i> )	ETHANOL ( <i>ug/L</i> )
QA (cont)												
12/04/08 <sup>16</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
03/05/09 <sup>16</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
06/23/09 <sup>16</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
09/01/09 <sup>16</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
DISCONTINUED												
09/14/12 <sup>16</sup>	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
Chevron Service Station #9-6991  
2920 Castro Valley Boulevard  
Castro Valley, California

**EXPLANATIONS:**

Groundwater monitoring data and laboratory analytical results prior to June 30, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing  
(ft.) = Feet

GWE = Groundwater Elevation  
(msl) = Mean sea level

DTW = Depth to Water

TPH = Total Petroleum Hydrocarbons

DRO = Diesel Range Organics

GRO = Gasoline Range Organics

TPH-D = Total Petroleum Hydrocarbons as Diesel

TOG = Total Oil and Grease

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl Tertiary Butyl Ether

(µg/L) = Micrograms per liter

-- = Not Measured/Not Analyzed

NP = No Purge

PER = Peristaltic Pump

QA = Quality Assurance/Trip Blank

- 1 Chromatogram pattern indicates an unidentified hydrocarbon.
- 2 Chromatogram pattern indicates a non-diesel mix.
- 3 Chromatogram pattern indicates an unidentified hydrocarbon and weathered diesel.
- 4 Chromatogram pattern indicates a non-diesel mix + discrete peaks.
- 5 Laboratory report indicates unidentified hydrocarbons C6-C12.
- 6 Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons C6-C12.
- 7 Laboratory report indicates unidentified hydrocarbons C9-C24.
- 8 Laboratory report indicates this sample was analyzed outside of the EPA recommended holding time.
- 9 Laboratory report indicates discrete peaks.
- 10 Laboratory report indicates gasoline C6-C12.
- 11 Laboratory report indicates unidentified hydrocarbons >C16.
- 12 Laboratory report indicates diesel C9-C24 + unidentified hydrocarbons <C16.
- 13 Confirmation run.
- 14 Insufficient water to obtain sample for TPH-D.
- 15 Laboratory report indicates unidentified hydrocarbons C9-C17.
- 16 BTEX and MTBE by EPA Method 8260.
- 17 Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. The reported result is due to individual peak(s) eluting in the DRO range.
- 18 Laboratory report indicates the observed sample pattern is not typical of #2 fuel/diesel. It elutes in the DRO range later than #2 fuel and contains individual peaks eluting in the DRO range.
- 19 Laboratory report indicates the observed sample pattern includes #2 fuel/diesel, an additional pattern which elutes later in the DRO range, and individual peaks eluting in the DRO range.
- 20 Laboratory report indicates the observed sample pattern includes #2 fuel/diesel and additional patterns which elute earlier and later in the DRO range.
- 21 Incorrect TOC elevation (168.80) was used in past reports. Correct TOC and GWE are shown.
- 22 Analysis inadvertently missed in the field.
- 23 No Purge due to insufficient water.
- 24 Laboratory report indicates DRO was detected in the method blank at a concentration of 38 µg/L. Results from the reextraction are within the limits. The hold time had expired prior to the reextraction therefore, all results are reported from the original extract. Similar results were obtained in both extracts.
- 25 Laboratory report indicates DRO was detected in the method blank at a concentration of 38 µg/L. Results from the reextraction are within the limits. The hold time had expired prior to the reextraction therefore, all results are reported from the original extract. The DRO result for the reextract is ND.

**Table 2**  
**Field Measurements and Analytical Results**  
Chevron Service Station #9-6991  
2920 Castro Valley Boulevard  
Castro Valley, California

WELL ID	DATE	D.O. (mg/L)	ORP (mV)	ALKALINITY (ug/L)	SULFATE (ug/L)	NITRATE as NITROGEN (ug/L)	FERROUS IRON (ug/L)
MW-1	12/21/05	3.7	151	581,000	184,000	6,400	29
	03/21/06	4.7	32	546,000	147,000	5,800	600
	06/21/06	SAMPLED ANNUALLY		--	--	--	--
	09/05/06	SAMPLED ANNUALLY		--	--	--	--
	12/28/06	SAMPLED ANNUALLY		--	--	--	--
	03/26/07	3.4	47	844,000 <sup>3</sup>	112,000	3,600	22,400
	02/29/08	2.6	153	<sup>1</sup> <460/584,000 <sup>2</sup>	158,000	4,500	730
	MW-4	12/21/05	1.4	89	396,000	137,000	2,300
03/21/06		3.0	82	407,000	139,000	2,200	<8.0
06/21/06		0.3	86	<sup>1</sup> 710/403,000 <sup>2</sup>	136,000	2,700	12
09/05/06		2.1	106	<sup>1</sup> <460/412,000 <sup>2</sup>	147,000	2,700	210
12/28/06		1.1	114	<sup>1</sup> <460/396,000 <sup>2</sup>	175,000	2,500	<8.0
03/26/07		1.2	188	393,000 <sup>3</sup>	151,000	1,800	190
06/26/07		1.9	31	392,000	179,000	2,900	<8.0
09/26/07		2.3	110	<sup>1</sup> <460/412,000 <sup>2</sup>	182,000	1,600	<8.0
12/20/07		2.1	76	<sup>1</sup> <460/402,000 <sup>2</sup>	169,000	1,400	<8.0
02/29/08		1.6	88	<sup>1</sup> <460/396,000 <sup>2</sup>	193,000	1,500	15
05/09/08		1.1	77	<sup>1</sup> <460/399,000 <sup>2</sup>	165,000	1,500	23
09/19/08		1.7	43	<sup>1</sup> <460/420,000 <sup>2</sup>	167,000	2,500	<8.0
MW-7		12/21/05	1.4	53	475,000	2,700	<400
	03/21/06	2.5	12	439,000	3,800	<400	3,800
	06/21/06	0.1	-62	<sup>1</sup> 1,400/480,000 <sup>2</sup>	1,600	<250	5,000
	09/05/06	1.2	-23	<sup>1</sup> <460/419,000 <sup>2</sup>	1,700	<250	3,500
	12/28/06	0.80	-36	<sup>1</sup> <460/498,000 <sup>2</sup>	2,100	<250	1,000
	03/26/07	1.1	-24	490,000 <sup>3</sup>	2,000	<250	2,200
	06/26/07	1.0	-72	426,000	1,800	<250	4,700
	09/26/07	.90	26	<sup>1</sup> <460/423,000 <sup>2</sup>	2,400	<250	3,800
	12/20/07	1.3	-8	<sup>1</sup> <460/539,000 <sup>2</sup>	3,200	<250	910
	02/29/08	1.2	80	<sup>1</sup> <460/510,000 <sup>2</sup>	8,100	<250	690
	05/09/08	1.0	65	<sup>1</sup> <460/157,000 <sup>2</sup>	2,700	<250	1,800
	09/19/08	1.7	25	<sup>1</sup> <460/403,000 <sup>2</sup>	8,100	<250	8,000

**Table 2**  
**Field Measurements and Analytical Results**  
Chevron Service Station #9-6991  
2920 Castro Valley Boulevard  
Castro Valley, California

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**EXPLANATIONS:**

D.O. = Dissolved Oxygen

(mg/L) = milligrams per liter

ORP = Oxidation Reduction Potential

(mV) = millivolts

-- = Not Analyzed

(µg/L) = Micrograms per liter

<sup>1</sup> pH 8.3.

<sup>2</sup> pH 4.5.

<sup>3</sup> Laboratory report indicates this sample was analyzed past the 14-day hold time.

**ANALYTICAL METHODS:**

Alkalinity by EPA Method SM20 2320 B for Alkalinity to pH 8.3

Alkalinity by EPA Method SM20 2320 B for Alkalinity to pH 4.5

Sulfate by EPA Method 300.0

Nitrate as Nitrogen by EPA Method 300.00

Ferrous Iron by EPA Method SM20 3500-Fe B

## STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. (GR) field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. All work is performed in accordance with the GR Health & Safety Plan and all client-specific programs. The scope of work and type of analysis to be performed is determined prior to commencing field work.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using an interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, all depth to water level measurements are collected with a static water level indicator and are also recorded in the field notes, prior to purging and sampling any wells.

After water levels are collected and prior to sampling, if purging is to occur, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, peristaltic or Grundfos), or disposable bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging (additional parameters such as dissolved oxygen, oxidation reduction potential, turbidity may also be measured, depending on specific scope of work.). Purging continues until these parameters stabilize.

Groundwater samples are collected using disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards, as directed by the scope of work. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Chevron Environmental Management Company, the purge water and decontamination water generated during sampling activities is transported by Clean Harbors Environmental Services to Evergreen Oil located in Newark, California.



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-6991  
 Site Address: 2920 Castro Valley Blvd  
 City: Castro Valley, CA

Job Number: 385296  
 Event Date: 9 / 14 / 12 (inclusive)  
 Sampler: HAI & K

Well ID: MW-1  
 Well Diameter: 3/4" / 2 in.  
 Total Depth: 11.72 ft.  
 Depth to Water: 11.08 ft.  
6.64 xVF = \_\_\_\_\_

Date Monitored: 9 / 14 / 12

Volume	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
Factor (VF)	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: N/A

**Purge Equipment:**  
 Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

**Sampling Equipment:**  
 Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: MIO

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbent Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): \_\_\_\_\_  
 Sample Time/Date: N/A  
 Approx. Flow Rate: \_\_\_\_\_ gpm.  
 Weather Conditions: CLOUDY  
 Water Color: \_\_\_\_\_ Odor: Y / N  
 Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal. DTW @ Sampling: N/A

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)
	x 500ml ambers	YES	NO	LANCASTER	TPH-DRO (8015)

COMMENTS: MIO

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-6991 Job Number: 385296  
 Site Address: 2920 Castro Valley Blvd Event Date: 9 / 14 / 12 (inclusive)  
 City: Castro Valley, CA Sampler: HAIG K

Well ID: MW-2  
 Well Diameter: (3/4) 2 in.  
 Total Depth: 14.66 ft.  
 Depth to Water: 11.76 ft.  
2.90 xVF

Date Monitored: 9 / 14 / 12

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.34 gal. 20.7 LITE

### Purge Equipment:

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump ✓  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump ✓  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: \_\_\_\_\_ ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 0755 Weather Conditions: CLOUDY  
 Sample Time/Date: 0830 9/14/12 Water Color: CLEAR Odor: Y/N  
 Approx. Flow Rate: 0.25 LITER pm. Sediment Description: \_\_\_\_\_  
 Did well de-water? NO If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal. DTW @ Sampling: 12.20

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm, µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mv)
<u>0757</u>	<u>0.5</u>	<u>7.37</u>	<u>532</u>	<u>19.0</u>		
<u>0759</u>	<u>1.0</u>	<u>7.33</u>	<u>538</u>	<u>19.2</u>		
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-2	6 x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)
	2x 500ml ambers	YES	NO	LANCASTER	TPH-DRO (8015)

COMMENTS: \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-6991  
 Site Address: 2920 Castro Valley Blvd  
 City: Castro Valley, CA

Job Number: 385296  
 Event Date: 9 / 14 / 12 (inclusive)  
 Sampler: HAIG R

Well ID: MW-4  
 Well Diameter: 3/4 (2) in.  
 Total Depth: 19.75 ft.  
 Depth to Water: 11.01 ft.  
8.74 xVF \_\_\_\_\_ = \_\_\_\_\_

Date Monitored: 9 / 14 / 12

Volume	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
Factor (VF)	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: N/A x3 case volume = Estimated Purge Volume: N/A gal.

### Purge Equipment:

Disposable Bailer \_\_\_\_\_  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

M / O

Time Started:	_____ (2400 hrs)
Time Completed:	_____ (2400 hrs)
Depth to Product:	_____ ft
Depth to Water:	_____ ft
Hydrocarbon Thickness:	_____ ft
Visual Confirmation/Description:	_____
Skimmer / Absorbant Sock (circle one)	_____
Amt Removed from Skimmer:	_____ gal
Amt Removed from Well:	_____ gal
Water Removed:	_____ gal
Product Transferred to:	_____

Start Time (purge): \_\_\_\_\_ Weather Conditions: CLOUDY  
 Sample Time/Date: N/A Water Color: \_\_\_\_\_ Odor: Y / N  
 Approx. Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal. DTW @ Sampling: N/A

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTEX+MTBE(8260)
	x 500ml ambers	YES	NO	LANCASTER	TPH-DRO (8015)

COMMENTS: \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_





# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-6991  
 Site Address: 2920 Castro Valley Blvd  
 City: Castro Valley, CA

Job Number: 385296  
 Event Date: 9/14/12 (inclusive)  
 Sampler: HAROK

Well ID: MW-6  
 Well Diameter: 3/4 (2) in.  
 Total Depth: 23.35 ft.  
 Depth to Water: 11.28 ft.

Date Monitored: 9/14/12

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.69  
 xVF 0.17 = 2.0 x3 case volume = Estimated Purge Volume: 6 gal.

### Purge Equipment:

Disposable Bailer   
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: 0 ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbent Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 0925 Weather Conditions: CLOUDY  
 Sample Time/Date: 0950/9/14/12 Water Color: CLOUDY Odor: ON SLIGHT  
 Approx. Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? NO If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal. DTW @ Sampling: 11.85

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>0930</u>	<u>2</u>	<u>7.40</u>	<u>503</u>	<u>19.7</u>		
<u>0935</u>	<u>4</u>	<u>7.35</u>	<u>508</u>	<u>19.8</u>		
<u>0941</u>	<u>6</u>	<u>7.32</u>	<u>510</u>	<u>20.0</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-6</u>	<u>6 x voa vial</u>	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-GRO(8015)/BTEX+MTBE(8260)</u>
	<u>2 x 500ml ambers</u>	<u>YES</u>	<u>NO</u>	<u>LANCASTER</u>	<u>TPH-DRO (8015)</u>

COMMENTS: \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_

Add/Replaced Plug: \_\_\_\_\_

Add/Replaced Bolt: \_\_\_\_\_



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility#: Chevron #9-6991  
 Site Address: 2920 Castro Valley Blvd  
 City: Castro Valley, CA

Job Number: 385296  
 Event Date: 9 / 14 / 12 (inclusive)  
 Sampler: HAI G K

Well ID: MW-7  
 Well Diameter: 3/4 (2) in.  
 Total Depth: 19.67 ft.  
 Depth to Water: 11.56 ft.  
8.11 xVF 0.17 = 1.37

Date Monitored: 9 / 14 / 12

Volume	3/4"= 0.02	1"= 0.04	2"= 0.17	3"= 0.38
Factor (VF)	4"= 0.66	5"= 1.02	6"= 1.50	12"= 5.80

Check if water column is less than 0.50 ft.

Depth to Water w/ 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.18  
 x3 case volume = Estimated Purge Volume: 4 gal.

**Purge Equipment:**  
 Disposable Bailer ✓  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

**Sampling Equipment:**  
 Disposable Bailer ✓  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Peristaltic Pump \_\_\_\_\_  
 QED Bladder Pump \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Completed: \_\_\_\_\_ (2400 hrs)  
 Depth to Product: \_\_\_\_\_ ft  
 Depth to Water: \_\_\_\_\_ ft  
 Hydrocarbon Thickness: 0 ft  
 Visual Confirmation/Description: \_\_\_\_\_  
 Skimmer / Absorbant Sock (circle one)  
 Amt Removed from Skimmer: \_\_\_\_\_ gal  
 Amt Removed from Well: \_\_\_\_\_ gal  
 Water Removed: \_\_\_\_\_  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 0847 Weather Conditions: CLOUDY  
 Sample Time/Date: 0905 9/14/12 Water Color: CLEAR Odor: (Y) N MODERATE  
 Approx. Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? NO If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal. DTW @ Sampling: 11.94

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm - µS)	Temperature (C / F)	D.O. (mg/L)	ORP (mV)
<u>0852</u>	<u>1.5</u>	<u>7.43</u>	<u>447</u>	<u>19.5</u>		
<u>0855</u>	<u>3</u>	<u>7.38</u>	<u>455</u>	<u>19.7</u>		
<u>0858</u>	<u>4</u>	<u>7.35</u>	<u>453</u>	<u>19.8</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-7</u>	<u>6</u> x voa vial	YES	HCL	LANCASTER	TPH-GRO(8015)/BTX+MTBE(8260)
	<u>2</u> x 500ml ambers	YES	NO	LANCASTER	TPH-DRO (8015)

COMMENTS: \_\_\_\_\_

Add/Replaced Lock: \_\_\_\_\_ Add/Replaced Plug: \_\_\_\_\_ Add/Replaced Bolt: \_\_\_\_\_

# Chevron California Region Analysis Request/Chain of Custody



09/14/12-10  
sub 2

For Lancaster Laboratories use only  
 Acct. #: 10904 Sample # 6790355-58 Group #: 010346

Q# 1335963

Facility #: <u>SS#9-699T-OML G-R#385296 Global ID#T0600T00324</u> Site Address: <u>2920 CASTRO VALLEY BLVD., CASTRO VALLEY, CA</u> Chevron PM: <u>AF</u> <u>CRACKJ</u> <u>Krema</u> Consultant/Office: <u>G-R, Inc., 6747 Sierra Court, Suite J, Dublin, CA 94568</u> Consultant Prj. Mgr.: <u>Deanna L. Harding (deanna@grinc.com)</u> Consultant Phone #: <u>925-551-7555</u> Fax #: <u>925-551-7899</u> Sampler: <u>HAIG KEVORK</u>			Matrix <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Soil <input type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/> Air		Analyses Requested Preservation Codes Total Number of Containers BTEX + MTBE 8260 <input checked="" type="checkbox"/> 8021 TPH 8015 MOD GRO TPH 8015 MOD DRO <input type="checkbox"/> Silica Gel Cleanup 8260 full scan Oxygenates Total Lead Method Dissolved Lead Method				Preservative Codes H = HCl T = Thiosulfate N = HNO <sub>3</sub> B = NaOH S = H <sub>2</sub> SO <sub>4</sub> O = Other <input type="checkbox"/> J value reporting needed <input checked="" type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run ___ oxy's on highest hit <input type="checkbox"/> Run ___ oxy's on all hits								
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	BTEX + MTBE 8260	TPH 8015 MOD GRO	TPH 8015 MOD DRO	8260 full scan	Oxygenates	Total Lead Method	Dissolved Lead Method	Comments / Remarks
<u>QA</u>	<u>9/14/12</u>		<input checked="" type="checkbox"/>														
<u>MW-2</u>	<u>↓</u>	<u>0830</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			<u>2000000</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
<u>MW-6</u>	<u>↓</u>	<u>0950</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
<u>MW-7</u>	<u>↓</u>	<u>0905</u>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					

Turnaround Time Requested (TAT) (please circle) <input checked="" type="checkbox"/> STD. TAT    72 hour    48 hour 24 hour    4 day    5 day		Relinquished by: <u>[Signature]</u> Date: <u>9/14/12</u> Time: <u>1430</u> Received by: <u>[Signature]</u> Date: <u>9/14/12</u> Time: <u>1430</u>	
Data Package Options (please circle if required) QC Summary    Type I - Full <b>EDF/EDD</b> Type VI (Raw Data) <input type="checkbox"/> Coelt Deliverable not needed WIP (RWQCB) Disk		Relinquished by: <u>[Signature]</u> Date: <u>14 SEP 12</u> Time: <u>1630</u> Received by: <u>FEDEX</u> Date:    Time:	
Relinquished by Commercial Carrier: UPS <input checked="" type="checkbox"/> FedEx    Other: _____		Received by: <u>[Signature]</u> Date: <u>9/15/12</u> Time: <u>950</u>	
Temperature Upon Receipt: <u>10" - 15"</u> °C		Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	



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Laboratories

# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-858-2681 • www.lancasterlabs.com

## ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

Chevron  
L4310  
6001 Bollinger Canyon Rd.  
San Ramon CA 94583

October 16, 2012

Project: 96991

Submittal Date: 09/15/2012  
Group Number: 1335963  
PO Number: 0015110330  
Release Number: WAITE  
State of Sample Origin: CA

RECEIVED

OCT 12 2012

GETTLER-RYAN INC.  
GENERAL CONTRACTORS

### Client Sample Description

QA-T-120914 NA Water  
MW-2-W-120914 Grab Water  
MW-6-W-120914 Grab Water  
MW-7-W-120914 Grab Water

### Lancaster Labs (LLI) #

6790355  
6790356  
6790357  
6790358

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

ELECTRONIC COPY TO	CRA c/o Gettler-Ryan	Attn: Rachelle Munoz
ELECTRONIC COPY TO	Chevron c/o CRA	Attn: Report Contact
ELECTRONIC COPY TO	Chevron	Attn: Anna Avina
ELECTRONIC COPY TO	Conestoga-Rovers & Associates	Attn: James Kiernan



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## **Analysis Report**

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Respectfully Submitted,

A handwritten signature in cursive script that reads "Jill M. Parker".

Jill M. Parker  
Senior Specialist

(717) 556-7262



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# Analysis Report

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Page 1 of 1

Sample Description: QA-T-120914 NA Water  
Facility# 96991 Job# 385296 GRD  
2920 Castro Valley-Castro T0600100324 QA

LLI Sample # WW 6790355  
LLI Group # 1335963  
Account # 10904

Project Name: 96991

Collected: 09/14/2012

Chevron

L4310

Submitted: 09/15/2012 09:50

6001 Bollinger Canyon Rd.

Reported: 10/16/2012 13:08

San Ramon CA 94583

CVCQA

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

### General Sample Comments

State of California Lab Certification No. 2501

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	F122652AA	09/21/2012 08:23	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F122652AA	09/21/2012 08:23	Anita M Dale	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12262A07A	09/19/2012 00:45	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12262A07A	09/19/2012 00:45	Marie D John	1



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# Analysis Report

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Page 1 of 1

**Sample Description:** MW-2-W-120914 Grab Water  
**Facility#** 96991 **Job#** 385296 GRD  
 2920 Castro Valley-Castro T0600100324 MW-2

**LLI Sample #** WW 6790356  
**LLI Group #** 1335963  
**Account #** 10904

**Project Name:** 96991

Collected: 09/14/2012 08:30 by HK

Chevron

L4310

Submitted: 09/15/2012 09:50

6001 Bollinger Canyon Rd.

Reported: 10/16/2012 13:08

San Ramon CA 94583

CVC02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>					
	<b>SW-846 8260B</b>		ug/l	ug/l	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	49	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
<b>GC Volatiles</b>					
	<b>SW-846 8015B</b>		ug/l	ug/l	
01728	TPH-GRO N. CA water C6-C12	n.a.	70	50	1
<b>GC Petroleum Hydrocarbons</b>					
	<b>SW-846 8015B</b>		ug/l	ug/l	
06609	TPH-DRO CA C10-C28	n.a.	620	50	1

### General Sample Comments

State of California Lab Certification No. 2501

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	F122652AA	09/21/2012 08:45	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F122652AA	09/21/2012 08:45	Anita M Dale	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12262A07A	09/19/2012 06:00	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12262A07A	09/19/2012 06:00	Marie D John	1
06609	TPH-DRO CA C10-C28	SW-846 8015B	1	122630023A	09/21/2012 02:43	Glorines Suarez-Rivera	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	122630023A	09/20/2012 04:20	Roman Kuropatkin	1



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# Analysis Report

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Page 1 of 1

**Sample Description:** MW-6-W-120914 Grab Water  
**Facility#** 96991 **Job#** 385296 GRD  
 2920 Castro Valley-Castro T0600100324 MW-6

**LLI Sample #** WW 6790357  
**LLI Group #** 1335963  
**Account #** 10904

**Project Name:** 96991

Collected: 09/14/2012 09:50 by HK Chevron  
 L4310  
 Submitted: 09/15/2012 09:50 6001 Bollinger Canyon Rd.  
 Reported: 10/16/2012 13:08 San Ramon CA 94583

CVC06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles</b>					
	<b>SW-846 8260B</b>		<b>ug/l</b>	<b>ug/l</b>	
10943	Benzene	71-43-2	N.D.	0.5	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	0.5	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
<b>GC Volatiles</b>					
	<b>SW-846 8015B</b>		<b>ug/l</b>	<b>ug/l</b>	
01728	TPH-GRO N. CA water C6-C12	n.a.	N.D.	50	1
<b>GC Petroleum Hydrocarbons</b>					
	<b>SW-846 8015B</b>		<b>ug/l</b>	<b>ug/l</b>	
06609	TPH-DRO CA C10-C28	n.a.	65	50	1

### General Sample Comments

State of California Lab Certification No. 2501

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	F122652AA	09/21/2012 09:51	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F122652AA	09/21/2012 09:51	Anita M Dale	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12262A07A	09/19/2012 06:26	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12262A07A	09/19/2012 06:26	Marie D John	1
06609	TPH-DRO CA C10-C28	SW-846 8015B	1	122630023A	09/21/2012 01:58	Glorines Suarez-Rivera	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	122630023A	09/20/2012 04:20	Roman Kuropatkin	1





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# Analysis Report

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Sample Description: MW-7-W-120914 Grab Water  
Facility# 96991 Job# 385296 GRD  
2920 Castro Valley-Castro T0600100324 MW-7

LLI Sample # WW 6790358  
LLI Group # 1335963  
Account # 10904

Project Name: 96991

Collected: 09/14/2012 09:05 by HK

Chevron

L4310

Submitted: 09/15/2012 09:50

6001 Bollinger Canyon Rd.

Reported: 10/16/2012 13:08

San Ramon CA 94583

CVC07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>					
10943	Benzene	71-43-2	N.D.	0.5 ug/l	1
10943	Ethylbenzene	100-41-4	N.D.	0.5	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	16	0.5	1
10943	Toluene	108-88-3	N.D.	0.5	1
10943	Xylene (Total)	1330-20-7	N.D.	0.5	1
<b>GC Volatiles SW-846 8015B</b>					
01728	TPH-GRO N. CA water C6-C12	n.a.	1,100	50 ug/l	1
<b>GC Petroleum SW-846 8015B</b>					
<b>Hydrocarbons</b>					
06609	TPH-DRO CA C10-C28	n.a.	700	50 ug/l	1

### General Sample Comments

State of California Lab Certification No. 2501

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

### Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	BTEX/MTBE 8260 Water	SW-846 8260B	1	F122652AA	09/21/2012 10:12	Anita M Dale	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	F122652AA	09/21/2012 10:12	Anita M Dale	1
01728	TPH-GRO N. CA water C6-C12	SW-846 8015B	1	12263A07A	09/20/2012 01:48	Marie D John	1
01146	GC VOA Water Prep	SW-846 5030B	1	12263A07A	09/20/2012 01:48	Marie D John	1
06609	TPH-DRO CA C10-C28	SW-846 8015B	1	122630023A	09/21/2012 02:21	Glorines Suarez-Rivera	1
02376	Extraction - Fuel/TPH (Waters)	SW-846 3510C	1	122630023A	09/20/2012 04:20	Roman Kuropatkin	1

## Quality Control Summary

Client Name: Chevron

Group Number: 1335963

Reported: 10/16/12 at 01:08 PM

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

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

### Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: F122652AA	Sample number(s): 6790355-6790358							
Benzene	N.D.	0.5	ug/l	92		77-121		
Ethylbenzene	N.D.	0.5	ug/l	94		79-120		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	94		68-121		
Toluene	N.D.	0.5	ug/l	94		79-120		
Xylene (Total)	N.D.	0.5	ug/l	96		77-120		
Batch number: 12262A07A	Sample number(s): 6790355-6790357							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	114	111	75-135	3	30
Batch number: 12263A07A	Sample number(s): 6790358							
TPH-GRO N. CA water C6-C12	N.D.	50.	ug/l	109	109	75-135	0	30
Batch number: 122630023A	Sample number(s): 6790356-6790358							
TPH-DRO CA C10-C28	N.D.	32.	ug/l	95	91	56-122	5	20

### Sample Matrix Quality Control

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

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: F122652AA	Sample number(s): 6790355-6790358 UNSPK: 6790356								
Benzene	100	99	72-134	0	30				
Ethylbenzene	104	102	71-134	2	30				
Methyl Tertiary Butyl Ether	96	98	72-126	1	30				
Toluene	101	100	80-125	1	30				
Xylene (Total)	103	100	79-125	2	30				

### Surrogate Quality Control

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

Analysis Name: UST VOCs by 8260B - Water

Batch number: F122652AA

Dibromofluoromethane

1,2-Dichloroethane-d4

Toluene-d8

4-Bromofluorobenzene

\*- Outside of specification

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

## Quality Control Summary

Client Name: Chevron  
Reported: 10/16/12 at 01:08 PM

Group Number: 1335963

### Surrogate Quality Control

6790355	109	100	98	95
6790356	109	102	100	101
6790357	109	102	100	97
6790358	104	96	101	104
Blank	106	99	101	98
LCS	104	99	99	102
MS	106	99	100	105
MSD	106	101	99	106

Limits: 80-116      77-113      80-113      78-113

Analysis Name: TPH-GRO N. CA water C6-C12  
Batch number: 12262A07A  
Trifluorotoluene-F

6790355	89
6790356	88
6790357	88
Blank	88
LCS	103
LCSD	101

Limits: 63-135

Analysis Name: TPH-GRO N. CA water C6-C12  
Batch number: 12263A07A  
Trifluorotoluene-F

6790358	122
Blank	85
LCS	101
LCSD	103

Limits: 63-135

Analysis Name: TPH-DRO CA C10-C28  
Batch number: 122630023A  
Orthoterphenyl

6790356	82
6790357	87
6790358	88
Blank	82
LCS	103
LCSD	95

Limits: 50-154

**\*- Outside of specification**

- (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.

# Explanation of Symbols and Abbreviations

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

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

**<** less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

**>** greater than

**ppm** parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

**ppb** parts per billion

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

**Data Qualifiers:**

**C** – result confirmed by reanalysis.

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

**U.S. EPA CLP Data Qualifiers:**

**Organic Qualifiers**

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

**Inorganic Qualifiers**

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

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

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

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

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

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