

Environmental Management  
Company  
6001 Bollinger Canyon Rd, L4050  
P.O. Box 6012  
San Ramon, CA 94583-2324  
Tel 925-842-1589  
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Karen Streich  
Project Manager

APR 29 2004

**ChevronTexaco**

April 19, 2004

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

Re: Chevron Service Station # 9-6991

Address: 2920 Castro Valley Blvd., Castro Valley, CA

I have reviewed the attached routine groundwater monitoring report dated March 29, 2004.

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 Gettler-Ryan, 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.

Sincerely,



Karen Streich  
Project Manager

Enclosure: Report



# GETTLER-RYAN INC.

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## TRANSMITTAL

March 31, 2004  
G-R #385296

TO: Mr. Tom Sparrowe  
Cambria Environmental Technology, Inc.  
5900 Hollis Street, Suite A  
Emeryville, CA 94608

CC: Ms. Karen Streich  
ChevronTexaco Company  
P.O. Box 6004  
San Ramon, California 94583

FROM: Deanna L. Harding  
Project Coordinator  
Gettler-Ryan Inc.  
6747 Sierra Court, Suite J  
Dublin, California 94568

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

WE HAVE ENCLOSED THE FOLLOWING:

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COPIES	DATED	DESCRIPTION
1	March 29, 2004	Groundwater Monitoring and Sampling Report Fourth Quarter - Event of December 15, 2003 and First Quarter - Event of March 1, 2004

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COMMENTS:

This report is being sent for your review. Please provide any comments/changes and propose any groundwater monitoring modifications for the next event prior to **April 19, 2004**, at which time the final report will be distributed to the following:

cc: Mr. Amir Gholami, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Parkway,  
Suite 250, Alameda, CA 94502-6577  
Mr. Chuck Headlee, RWQCB-San Francisco Bay Region, 1515 Clay Street, Oakland, CA 94612

Enclosures

trans/9-6991-ks



# GETTLER-RYAN INC.

March 29, 2004  
G-R Job #385296

Ms. Karen Streich  
ChevronTexaco Company  
P.O. Box 6004  
San Ramon, CA 94583

**RE: Fourth Quarter Event of December 15, 2003  
First Quarter Event of March 1, 2004  
Groundwater Monitoring & Sampling Report  
Chevron Service Station #9-6991  
2920 Castro Valley Boulevard  
Castro Valley, California**

Dear Ms. Streich:

This report documents the most recent groundwater monitoring and sampling events 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. Potentiometric Maps are included as Figures 1 and 2.

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 laboratory analytical report are also attached.

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

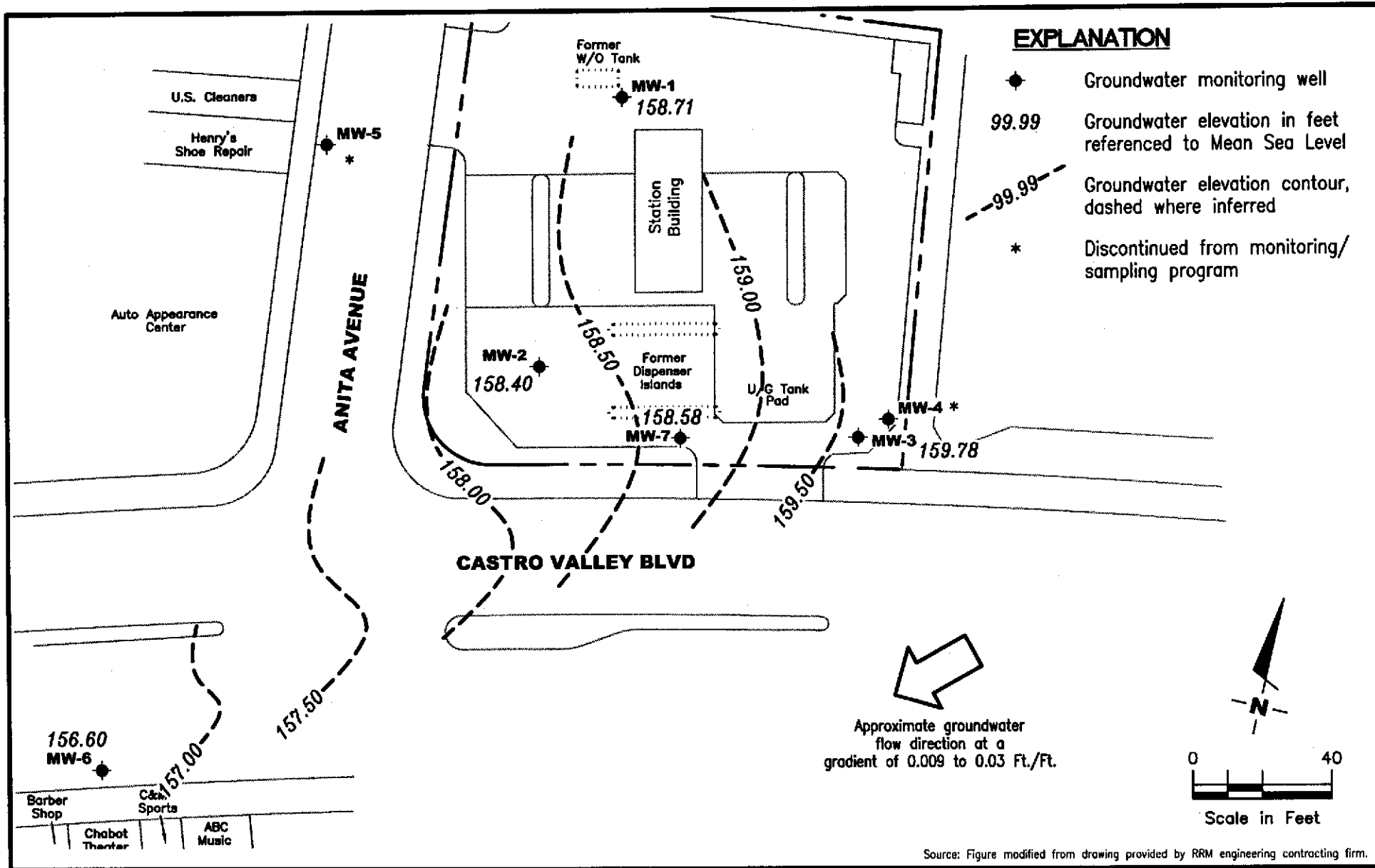
Sincerely,

Deanna L. Harding  
Project Coordinator

Hagop Kevork  
P.E. No. C55734



Figure 1: Potentiometric Map – December 15, 2003  
Figure 2: Potentiometric Map – March 1, 2004  
Table 1: Groundwater Monitoring Data 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 Ct., Suite J  
 Dublin, CA 94568 (925) 551-7555

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

FIGURE

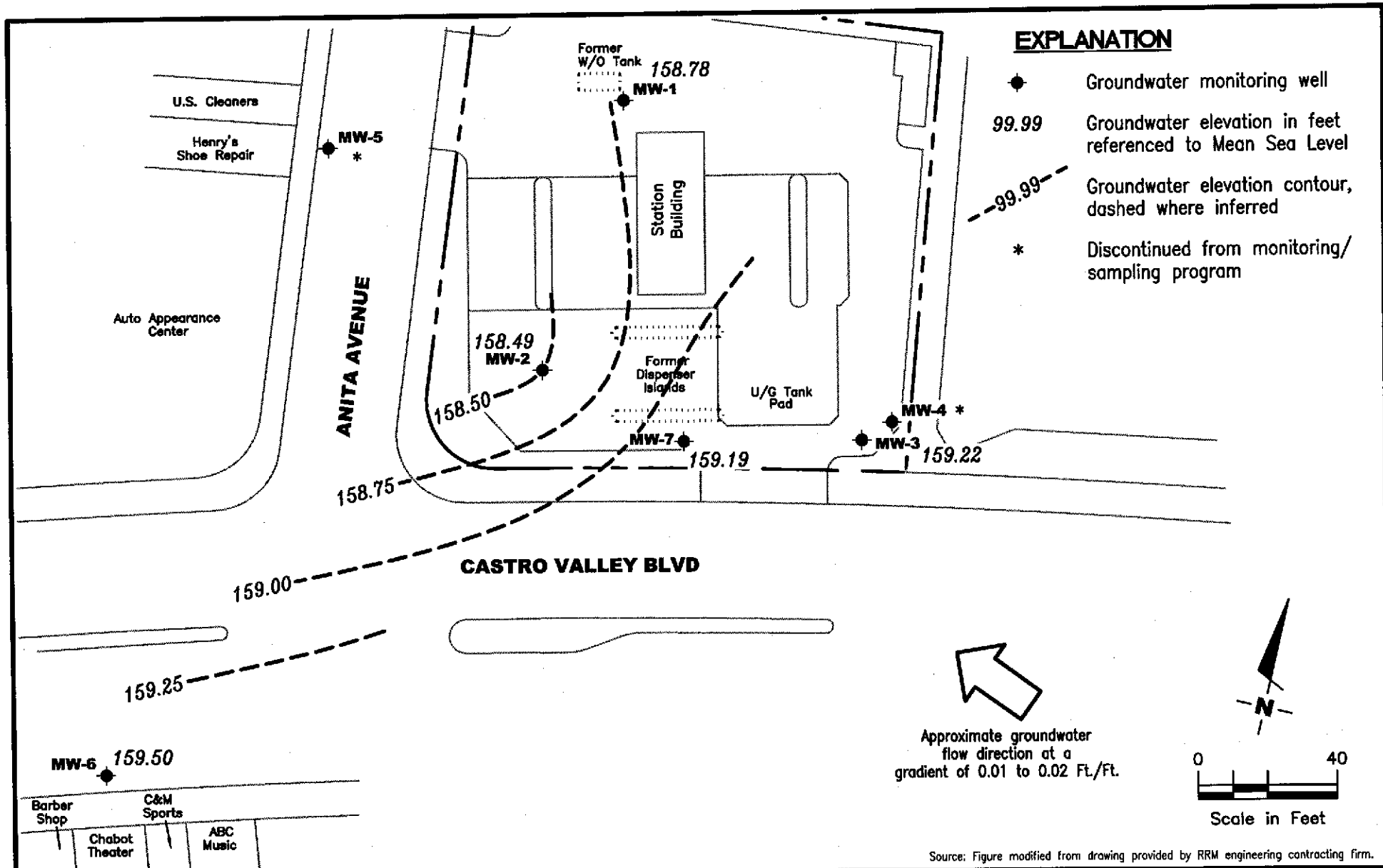
1

PROJECT NUMBER  
 385296

REVIEWED BY

DATE  
 December 15, 2003

REVISED DATE



**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  
**2**

PROJECT NUMBER  
**385296**

REVIEWED BY

DATE  
 March 1, 2004

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 (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
<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	--	--	--	--	--	--	--	--

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

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
<b>MW-1 (cont)</b>											
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	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--
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		--	--	--	--	--	--
<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	--	--

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<b>MW-2 (cont)</b>											
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	--
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	--	--	--	--	--	--	--	--



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

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
<b>MW-2 (cont)</b>											
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		--	--	--	--	--
03/21/02		169.15	158.16	10.99	-- <sup>14</sup>	<50	<0.50	<0.50	<0.50	<1.5	350
06/08/02		169.15	157.52	11.63	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		--	--	--	--	--
<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	--	--

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

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)	
<b>MW-3 (cont)</b>												
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	8,200	--	
12/19/00	NP	169.11	159.06	10.05	-- <sup>14</sup>	<1,000	<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	--	
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				--	--	--	--	

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

WELL ID/ DATE	TOC (fl.)	GWE (msl)	DTW (ft.)	TPH-D (ppb)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
<b>MW-3 (cont)</b>											
09/15/03	169.11	157.85	11.26	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--
12/15/03 <sup>16,17</sup>	169.11	159.78	9.33	-- <sup>14</sup>	<50	<0.5	3	0.6	4	220	--
03/01/04	169.11	159.22	9.89	NOT SAMPLED DUE TO INSUFFICIENT WATER				--	--	--	--
<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	<0.5	--	--
01/27/93	169.18	160.09	9.09	--	--	--	--	--	--	--	--
03/05/93	169.18	--	--	<50	<50	<0.5	<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	--	--
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	--
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	--	--

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<b>MW-5 (cont)</b>											
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											
<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	--	--	--	--	--	--	--	--
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>16,17</sup>	166.46	156.60	9.86	71	210	0.5	0.9	0.7	2	14	--
03/01/04 <sup>16,17</sup>	168.80	159.50	9.30	<250	150	<0.5	4	3	18	10	--

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MW-7											
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>1</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>12</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	--
12/13/02	168.80	157.97	10.83	3,400	1,100	2.4	<0.50	2.3	<1.5	2,000	--

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<b>MW-7 (cont)</b>											
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>16,17</sup>	168.80	157.38	11.42	4,700	1,700	1	<0.5	6	0.5	790	--
12/15/03 <sup>16,17</sup>	168.80	158.58	10.22	3,200	610	<0.5	<0.5	1	<0.5	780	--
03/01/04 <sup>16,17</sup>	168.80	159.19	9.61	2,200	1,500	<0.5	<0.5	4	<0.5	16	--
<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	--	--

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<b>TRIP BLANK (cont)</b>											
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	--
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	--

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QA (cont)											
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	--



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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-D = Total Petroleum Hydrocarbons as Diesel

TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl tertiary butyl ether

TOG = Total Oil and Grease

(ppb) = Parts per billion

-- = Not Measured/Not Analyzed

NP = No Purge

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 Ethanol by EPA Method 8260 was reported as <50 ppb.

## STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

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, suction, Grundfos), or disposable bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging. 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 possible. 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. 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. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by ChevronTexaco Company, the purge water and decontamination water generated during sampling activities is transported by IWM to McKittrick Waste Management located in McKittrick, California.



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-6991 Job Number: 385296  
 Site Address: 2920 Castro Valley Blvd Event Date: 12/15/03 (inclusive)  
 City: Castro Valley, CA Sampler: Andrew Smith

Well ID: MW-1 Date Monitored: 12/15/03 Well Condition: OK  
 Well Diameter: 3/4" / 2 in.  
 Total Depth: 17.49 ft.  
 Depth to Water: 10.59 ft.

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

xVF 0.02 = \_\_\_\_\_ x3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ gal.

### Purge Equipment:

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

### Sampling Equipment:

Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (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  
 Product Transferred to: \_\_\_\_\_

*Monitor Only*

Start Time (purge): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: 1 Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	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-G(8015)/BTEX+MTBE(8260)/ETHANOL(8260)
MW-	x amber	YES	NP	LANCASTER	TPH-D

### COMMENTS:

\_\_\_\_\_

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

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



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

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

Job Number: 385296  
 Event Date: 12/15/03 (inclusive)  
 Sampler: Andrew Smith

Well ID: MW-2 Date Monitored: 12/15/03 Well Condition: OK  
 Well Diameter: (3/4) 2 in.  
 Total Depth: 17.18 ft.  
 Depth to Water: 10.75 ft.

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

xVF 0.02 = \_\_\_\_\_ x3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ gal.

### Purge Equipment:

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

### Sampling Equipment:

Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started:	_____ (2400 hrs)
Time Bailed:	_____ (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
Product Transferred to:	_____

*Monitor Only*

Start Time (purge): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: 1 Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (u mhos/cm)	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-G(8015)/BTEX+MTBE(8260)/ETHANOL(8260)
MW-	x amber	YES	NP	LANCASTER	TPH-D

### COMMENTS:

\_\_\_\_\_  
 \_\_\_\_\_

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

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

Job Number: 385296  
 Event Date: 12/15/03 (inclusive)  
 Sampler: Andrew Smith

Well ID: MW-3 Date Monitored: 12/15/03 Well Condition: OK  
 Well Diameter: 3 1/2 in.  
 Total Depth: 14.42 ft.  
 Depth to Water: 9.33 ft.  
5.09 xVF 0.02 = 0.102 x3 (case volume) = Estimated Purge Volume: 0.306 gal.

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

Purge Equipment:  
 Disposable Bailor   
 Stainless Steel Bailor \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

Sampling Equipment:  
 Disposable Bailor   
 Pressure Bailor \_\_\_\_\_  
 Discrete Bailor \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (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  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 855 Weather Conditions: Sunny  
 \* Sample Time/Date: 920 12/15/03 Water Color: Cloudy Odor: Slight  
 Purging Flow Rate: NA gpm. Sediment Description: None  
 Did well de-water? NO If yes, Time: 0 Volume: 0 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>857</u>	<u>0.3</u>	<u>6.91</u>	<u>1591</u>	<u>19.4</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-3</u>	<u>6</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL(8260)</u>
<u>MW-3</u>	<u>2</u> x amber	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-D</u>
	<u>5</u> Insufficient water				

COMMENTS: \* Delay, Not enough water in well to get 2 1-lt Amber Per TPH d, Did Sample 6 - Vials

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



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

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

Job Number: 385296  
 Event Date: 12/15/03 (inclusive)  
 Sampler: Andrew Smith

Well ID: MW-6 Date Monitored: 12/15/03 Well Condition: OK

Well Diameter: 3/4 1/2 in.

Total Depth: 23.47 ft.

Depth to Water: 9.86 ft.

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

13.61 x VF 0.17 = 2.31 x3 (case volume) = Estimated Purge Volume: 6.93 gal.

### Purge Equipment:

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

### Sampling Equipment:

Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (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  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 750 Weather Conditions: Sunny  
 Sample Time/Date: 815 12/15/03 Water Color: Brownish orange Odor: yes  
 Purging Flow Rate: NA gpm. Sediment Description: None  
 Did well de-water? NO If yes, Time: 0 Volume: 0 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>756</u>	<u>2</u>	<u>7.11</u>	<u>947</u>	<u>17.1</u>	_____	_____
<u>801</u>	<u>4</u>	<u>7.28</u>	<u>961</u>	<u>18.7</u>	_____	_____
<u>810</u>	<u>7</u>	<u>6.60</u>	<u>946</u>	<u>19.6</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- <u>6</u>	<u>6</u> x vov vial	YES	HCL	LANCASTER	TPH-G(8015)/BTX+MTBE(8260)/ETHANOL(8260)
MW- <u>6</u>	<u>2</u> x amber	YES	NP	LANCASTER	TPH-D
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

### COMMENTS:

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

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

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

Job Number: 385296  
 Event Date: 12/15/03 (inclusive)  
 Sampler: Andrew Smith

Well ID: MW-7  
 Well Diameter: 3/4 (2) in.  
 Total Depth: 19.62 ft.  
 Depth to Water: 10.22 ft.

Date Monitored: 12/15/03 Well Condition: OK

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

9.40 x VF 0.17 = 1.60 x3 (case volume) = Estimated Purge Volume: 4.86 gal.

Purge Equipment:  
 Disposable Bailer   
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

Sampling Equipment:  
 Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (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  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 8:30 Weather Conditions: Sunny  
 Sample Time/Date: 8:45 12/15/03 Water Color: Clear Odor: Yes  
 Purging Flow Rate: NA gpm. Sediment Description: Shen  
 Did well de-water? NO If yes, Time: 0 Volume: 0 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (C/F)	D.O. (mg/L)	ORP (mV)
<u>8:34</u>	<u>2</u>	<u>7.27</u>	<u>827-821</u>	<u>19.5</u>	_____	_____
<u>8:39</u>	<u>4</u>	<u>7.26</u>	<u>784</u>	<u>20.0</u>	_____	_____
<u>8:43</u>	<u>5</u>	<u>7.28</u>	<u>771</u>	<u>20.0</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-7</u>	<u>6</u> x voa vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260) ETHANOL(8260)</u>
<u>MW-7</u>	<u>2</u> x amber	<u>YES</u>	<u>NP</u>	<u>LANCASTER</u>	<u>TPH-D</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

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

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

# Chevron California Region Analysis Request/Chain of Custody



BA  
120 12/603-002

Acc. #: 10904

For Lancaster Laboratories use only  
Sample #: 4180141-44

SCR#: Gr. #878750

Facility #: SS#9-6991 G-R#385296 Global ID#T0600100324  
 Site Address: 2920 CASTRO VALLEY BLVD, CASTRO VALLEY, CA  
 Chevron PM: KS Lead Consultant: CAMBRIA  
 Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568  
 Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)  
 Consultant Phone #: 925-551-7555 Fax #: 925-551-7899  
 Sampler: Andrew Smith  
 Service Order #:  Non SAR:

Matrix	Analyses Requested									
	Preservation Codes									
Soil Water Oil Air	Total Number of Containers									
	H	H							H	
<input type="checkbox"/> Potable <input type="checkbox"/> NPDES	<input type="checkbox"/> 8021	<input checked="" type="checkbox"/> 8021	<input type="checkbox"/> 8021	<input type="checkbox"/> 8021	<input type="checkbox"/> 8021	<input type="checkbox"/> 8021	<input type="checkbox"/> 8021	<input type="checkbox"/> 8021	<input type="checkbox"/> 8021	<input type="checkbox"/> 8021
<input type="checkbox"/> NPDES	<input type="checkbox"/> TPH 8015 MOD	<input checked="" type="checkbox"/> TPH 8015 MOD	<input type="checkbox"/> TPH 8015 MOD	<input type="checkbox"/> TPH 8015 MOD	<input type="checkbox"/> TPH 8015 MOD	<input type="checkbox"/> TPH 8015 MOD	<input type="checkbox"/> TPH 8015 MOD	<input type="checkbox"/> TPH 8015 MOD	<input type="checkbox"/> TPH 8015 MOD	<input type="checkbox"/> TPH 8015 MOD
<input type="checkbox"/> Air	<input type="checkbox"/> 8260 full scan	<input type="checkbox"/> 8260 full scan	<input type="checkbox"/> 8260 full scan	<input type="checkbox"/> 8260 full scan	<input type="checkbox"/> 8260 full scan	<input type="checkbox"/> 8260 full scan	<input type="checkbox"/> 8260 full scan	<input type="checkbox"/> 8260 full scan	<input type="checkbox"/> 8260 full scan	<input type="checkbox"/> 8260 full scan
<input type="checkbox"/> Composite	<input type="checkbox"/> Oxygenates	<input type="checkbox"/> Oxygenates	<input type="checkbox"/> Oxygenates	<input type="checkbox"/> Oxygenates	<input type="checkbox"/> Oxygenates	<input type="checkbox"/> Oxygenates	<input type="checkbox"/> Oxygenates	<input type="checkbox"/> Oxygenates	<input type="checkbox"/> Oxygenates	<input type="checkbox"/> Oxygenates
	<input type="checkbox"/> Lead 7420	<input type="checkbox"/> Lead 7420	<input type="checkbox"/> Lead 7420	<input type="checkbox"/> Lead 7420	<input type="checkbox"/> Lead 7420	<input type="checkbox"/> Lead 7420	<input type="checkbox"/> Lead 7420	<input type="checkbox"/> Lead 7420	<input type="checkbox"/> Lead 7420	<input type="checkbox"/> Lead 7420
	<input type="checkbox"/> Ethanol (8260)	<input checked="" type="checkbox"/> Ethanol (8260)	<input type="checkbox"/> Ethanol (8260)	<input type="checkbox"/> Ethanol (8260)	<input type="checkbox"/> Ethanol (8260)	<input type="checkbox"/> Ethanol (8260)	<input type="checkbox"/> Ethanol (8260)	<input type="checkbox"/> Ethanol (8260)	<input type="checkbox"/> Ethanol (8260)	<input type="checkbox"/> Ethanol (8260)

**Preservative Codes**  
 H = HCl T = Thiosulfate  
 N = HNO<sub>3</sub> B = NaOH  
 S = H<sub>2</sub>SO<sub>4</sub> O = Other

J value reporting needed  
 Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation  
 Confirm highest hit by 8260  
 Confirm all hits by 8260  
 Run \_\_\_ oxy s on highest hit  
 Run \_\_\_ oxy s on all hits

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers
QA	12/15/03	---	X			X			2
MW-3	12/15/03	920	X			X			6
MW-6	12/15/03	815	X			X			8
MW-7	12/15/03	845	X			X			8

**Comments / Remarks**

**Turnaround Time Requested (TAT) (please circle)**  
 STD. TAT 24 hour 72 hour 48 hour 4 day 5 day

**Data Package Options (please circle if required)**  
 QC Summary Type I — Full  
 Type VI (Raw Data)  Coelt Deliverable not needed  
 WIP (RWQCB)  
 Disk

Relinquished by: <i>[Signature]</i>	Date: 12/15/03	Time: 1200	Received by: <i>[Signature]</i>	Date: 12/16/03	Time: 0801
Relinquished by: <i>[Signature]</i>	Date: 12/16/03	Time: 1430	Received by: <i>[Signature]</i>	Date: 12/16/03	Time: 1730
Relinquished by: <i>[Signature]</i>	Date: 12/16/03	Time: 1830	Received by: <i>[Signature]</i>	Date: 12/16/03	Time: 0925
Relinquished by Commercial Carrier: UPS FedEx Other <i>Airline</i>	Temperature Upon Receipt: 2.0, 0.3		Received by: <i>[Signature]</i>	Date: 12/17/03	Time: 0925
Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					



## ANALYTICAL RESULTS

Prepared for:

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

925-842-8582

Prepared by:

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

## SAMPLE GROUP

The sample group for this submittal is 878750. Samples arrived at the laboratory on Wednesday, December 17, 2003. The PO# for this group is 99011184 and the release number is STREICH.

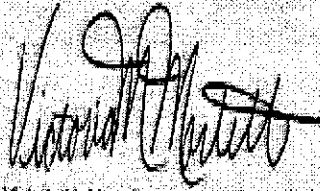
<u>Client Description</u>			<u>Lancaster Labs Number</u>
QA-T-031215	NA	Water	4186741
MW-3-W-031215	Grab	Water	4186742
MW-6-W-031215	Grab	Water	4186743
MW-7-W-031215	Grab	Water	4186744

1 COPY TO Cambria C/O Gettler- Ryan  
ELECTRONIC Gettler-Ryan  
COPY TO

Attn: Deanna L. Harding  
Attn: Cheryl Hansen

Questions? Contact your Client Services Representative  
Teresa L Cunningham at (717) 656-2300.

Respectfully Submitted,



Victoria M. Martell  
Chemist

Lancaster Laboratories Sample No. **WW 4186741**

QA-T-031215                      NA                      Water  
 Facility# 96991 Job# 385296                      GRD  
 2920 Castro Valley-Castro T0600100324 QA  
 Collected: 12/15/2003 00:00

Account Number: 10904

Submitted: 12/17/2003 09:25  
 Reported: 01/02/2004 at 14:34  
 Discard: 02/02/2004

ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

CVCQA

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

## Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/18/2003 12:56	Michael F Barrow	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	12/19/2003 01:45	Elizabeth M Taylor	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/18/2003 12:56	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/19/2003 01:45	Elizabeth M Taylor	n.a.

Lancaster Laboratories Sample No. **WW 4186742**

 MW-3-W-031215                      Grab                      Water  
 Facility# 96991 Job# 385296    GRD  
 2920 Castro Valley-Castro T0600100324 MW-3  
 Collected: 12/15/2003 09:20                      by AS

Account Number: 10904

 Submitted: 12/17/2003 09:25  
 Reported: 01/02/2004 at 14:34  
 Discard: 02/02/2004

 ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

CVC03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received		Dilution Factor
				Method	Units	
01728	TPH-GRO - Waters	n.a.	N.D.	Detection Limit	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	220.	2.	ug/l	4
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	3.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	0.6	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	4.	0.5	ug/l	1

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/18/2003 17:38		Michael F Barrow	1
01594	BTEX+5	SW-846 8260B	1	12/19/2003 04:35		Elizabeth M Taylor	1
01594	Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	12/19/2003 04:57		Elizabeth M Taylor	4
01146	BTEX+5	SW-846 8260B	1	12/19/2003 04:35		Elizabeth M Taylor	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/18/2003 17:38		Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/19/2003 04:35		Elizabeth M Taylor	n.a.

Lancaster Laboratories Sample No. **WW 4186743**

 MW-6-W-031215                      Grab                      Water  
 Facility# 96991 Job# 385296    GRD  
 2920 Castro Valley-Castro T0600100324                      MW-6  
 Collected: 12/15/2003 08:15                      by AS

Account Number: 10904

 Submitted: 12/17/2003 09:25  
 Reported: 01/02/2004 at 14:34  
 Discard: 02/02/2004

 ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

CVC06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	210.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
05553	TPH - DRO CA LUFT (Waters)	n.a.	71.	50.	ug/l	1
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	14.	0.5	ug/l	1
05401	Benzene	71-43-2	0.5	0.5	ug/l	1
05407	Toluene	108-88-3	0.9	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	0.7	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	2.	0.5	ug/l	1

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/19/2003 03:01	Todd T Smythe	1
05553	TPH - DRO CA LUFT (Waters)	CALUFT-DRO/8015B, Modified	1	12/28/2003 15:02	Devin M Hetrick	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	12/19/2003 05:18	Elizabeth M Taylor	1
01146	GC VOA Water Prep	SW-846 5030B	1	12/19/2003 03:01	Todd T Smythe	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/19/2003 05:18	Elizabeth M Taylor	n.a.
02135	Extraction - DRO Water Special	TPH by CA LUFT	1	12/19/2003 01:30	Deborah A Stasiak-Birkenbine	1

Lancaster Laboratories Sample No. **WW 4186744**

 MW-7-W-031215                      Grab                      Water  
 Facility# 96991 Job# 385296    GRD  
 2920 Castro Valley-Castro T0600100324                      MW-7  
 Collected: 12/15/2003 08:45                      by AS

Account Number: 10904

 Submitted: 12/17/2003 09:25  
 Reported: 01/02/2004 at 14:34  
 Discard: 02/02/2004

 ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

CVC07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	610.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
05553	TPH - DRO CA LUFT (Waters)	n.a.	3,200.	50.	ug/l	2
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Site-specific MS/MSD samples were not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	780.	5.	ug/l	10
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	1.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	12/18/2003 18:43	Michael F Barrow	1
05553	TPH - DRO CA LUFT (Waters)	CALUFT-DRO/8015B, Modified	1	12/31/2003 05:49	Devin M Hetrick	2
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	12/19/2003 10:21	Shawn J Rice	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	12/19/2003 10:42	Shawn J Rice	10
01146	GC VOA Water Prep	SW-846 5030B	1	12/18/2003 18:43	Michael F Barrow	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	12/19/2003 10:21	Shawn J Rice	n.a.
02135	Extraction - DRO Water Special	TPH by CA LUFT	1	12/19/2003 01:30	Deborah A Stasiak-Birkenbine	1

## Quality Control Summary

 Client Name: ChevronTexaco  
 Reported: 01/02/04 at 02:34 PM

Group Number: 878750

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 033520012A TPH - DRO CA LUFT (Waters)	N.D.	50.	4186743-4186744 ug/l	74	88	61-126	17	20
Batch number: 03352A07A TPH-GRO - Waters	N.D.	50.	4186741 ug/l	91		70-130		
Batch number: 03352A07B TPH-GRO - Waters	N.D.	50.	4186742, 4186744 ug/l	91		70-130		
Batch number: 03352A07C TPH-GRO - Waters	N.D.	50.	4186743 ug/l	91		70-130		
Batch number: P033522AA Ethanol	N.D.	50.	4186741-4186743 ug/l	134		46-145		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	92		77-127		
Benzene	N.D.	0.5	ug/l	93		85-117		
Toluene	N.D.	0.5	ug/l	91		85-115		
Ethylbenzene	N.D.	0.5	ug/l	91		82-119		
Xylene (Total)	N.D.	0.5	ug/l	91		84-120		
Batch number: P033531AA Ethanol	N.D.	50.	4186744 ug/l	123		46-145		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	93		77-127		
Benzene	N.D.	0.5	ug/l	95		85-117		
Toluene	N.D.	0.5	ug/l	94		85-115		
Ethylbenzene	N.D.	0.5	ug/l	96		82-119		
Xylene (Total)	N.D.	0.5	ug/l	95		84-120		

### Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	BRG MAX	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 03352A07A TPH-GRO - Waters	102	105	4186741 63-154	2	30			
Batch number: 03352A07B TPH-GRO - Waters	102	105	4186742, 4186744 63-154	2	30			
Batch number: 03352A07C TPH-GRO - Waters	102	105	4186743 63-154	2	30			
Batch number: P033522AA Ethanol	83	89	4186741-4186743 38-149	7	30			
Methyl Tertiary Butyl Ether	97	96	69-134	1	30			
Benzene	98	100	83-128	3	30			
Toluene	96	97	83-127	1	30			
Ethylbenzene	97	98	82-129	1	30			
Xylene (Total)	96	97	82-130	1	30			
Batch number: P033531AA Ethanol	103	97	4186744 38-149	6	30			
Methyl Tertiary Butyl Ether	1*	60*	69-134	17	30			

\*. Outside of specification

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

## Quality Control Summary

 Client Name: ChevronTexaco  
 Reported: 01/02/04 at 02:34 PM

Group Number: 878750

### Sample Matrix Quality Control

Analysis Name	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD Max
	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD
Benzene	97	99	83-128	1	30			
Toluene	101	98	83-127	3	30			
Ethylbenzene	101	96	82-129	5	30			
Xylene (Total)	102	96	82-130	6	30			

### Surrogate Quality Control

 Analysis Name: TPH - DRO CA LUFT (Waters)  
 Batch number: 033520012A  
 Orthoterphenyl

4186743	86
4186744	74
Blank	71
LCS	87
LCSD	97

Limits: 59-139

 Analysis Name: TPH-GRO - Waters  
 Batch number: 03352A07A  
 Trifluorotoluene-F

4186741	76
Blank	77
LCS	102
MS	104
MSD	107

Limits: 57-146

 Analysis Name: TPH-GRO - Waters  
 Batch number: 03352A07B  
 Trifluorotoluene-F

4186742	79
4186744	121
Blank	80
LCS	102
MS	104
MSD	107

Limits: 57-146

 Analysis Name: TPH-GRO - Waters  
 Batch number: 03352A07C  
 Trifluorotoluene-F

4186743	92
Blank	80
LCS	102
MS	104

\*- Outside of specification

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



## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 01/02/04 at 02:34 PM

Group Number: 878750

### Surrogate Quality Control

MSD 107

Limits: 57-146

Analysis Name: BTEX+MTBE by 8260B

Batch number: P033522AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4186741	100	100	104	97
4186742	100	99	103	96
4186743	100	99	104	97
Blank	97	97	104	97
LCS	100	98	103	96
MS	100	100	104	97
MSD	101	99	103	97

Limits: 81-120

82-112

85-112

83-113

Analysis Name: BTEX+5 Oxygenates+EDC+EDB+ETOH

Batch number: P033531AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4186744	100	99	104	98
Blank	100	99	104	97
LCS	101	100	104	98
MS	101	99	104	98
MSD	100	99	103	97

Limits: 81-120

82-112

85-112

83-113

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background 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>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<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>ug</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>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value - The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).		
<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 of gas 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.		

## U.S. EPA CLP Data Qualifiers:

### Organic Qualifiers

### Inorganic Qualifiers

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

Analytical test results for methods listed on the laboratories' accreditation scope 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.

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# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-6991 Job Number: 385296  
 Site Address: 2920 Castro Valley Blvd Event Date: 3/1/04 (inclusive)  
 City: Castro Valley, CA Sampler: Jim Herzog

Well ID: MW-1 Date Monitored: 3/1/04 Well Condition: OK  
 Well Diameter: 3 1/2 in.  
 Total Depth: 17.45 ft.  
 Depth to Water: 10.52 ft.  
 Volume Factor (VF) table:  

3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.80

 Estimated Purge Volume:  $6.97 \times VF .02 = .13 \times 3$  (case volume) = .41 gal.

### Purge Equipment:

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

### Sampling Equipment:

Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (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  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: 1 Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

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

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x vov vial	YES	HCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL(8260)
MW-	x amber	YES	NP	LANCASTER	TPH-D

COMMENTS: INSUFFICIENT WATER - Day after purging

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

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

Job Number: 385296  
 Event Date: 3/1/04 (inclusive)  
 Sampler: Jim Heizer

Well ID: MW-2 Date Monitored: 3/1/04 Well Condition: ok  
 Well Diameter: 8 1/2 in.  
 Total Depth: 17.18 ft.  
 Depth to Water: 10.66 ft.  
6.52 xVF .02 = 13 x3 (case volume) = Estimated Purge Volume: .39 gal.

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

### Purge Equipment:

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

### Sampling Equipment:

Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (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  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: 1 Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity ( $\mu$ mhos/cm)	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-G(8015)/BTEX+MTBE(8260)/ETHANOL(8260)
MW-	x amber	YES	NP	LANCASTER	TPH-D

COMMENTS: Instituted head - Day after purging.

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



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-6991 Job Number: 385296  
 Site Address: 2920 Castro Valley Blvd Event Date: 3/1/04 (inclusive)  
 City: Castro Valley, CA Sampler: Jim H. Eason

Well ID: MW-3 Date Monitored: 3/1/04 Well Condition: OK  
 Well Diameter: (3/4) 2 in.  
 Total Depth: 14.42 ft.  
 Depth to Water: 9.89 ft.  
4.53 xVF .02 = .09 x3 (case volume) = Estimated Purge Volume: 127 gal.

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

### Purge Equipment:

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

### Sampling Equipment:

Disposable Bailer \_\_\_\_\_  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (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  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): \_\_\_\_\_ Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: 1 Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? \_\_\_\_\_ If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

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

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW-	x voa vial	YES	NCL	LANCASTER	TPH-G(8015)/BTEX+MTBE(8260)/ETHANOL(8260)
MW-	x amber	YES	NP	LANCASTER	TPH-D

COMMENTS: UNABLE to sample - Bailer will not go down well. INSUFFICIENT water

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

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

Job Number: 385296  
 Event Date: 3/1/04 (inclusive)  
 Sampler: Jim Hezler

Well ID: MW-6 Date Monitored: 3/1/04 Well Condition: OK

Well Diameter: 3/4 1/2 in.  
 Total Depth: 23.47 ft.  
 Depth to Water: 9.30 ft.  
14.17 xVF .17 = 2.40

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

x3 (case volume) = Estimated Purge Volume: 7.22 gal.

### Purge Equipment:

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

### Sampling Equipment:

Disposable Bailer   
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (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  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 1030 Weather Conditions: Rain  
 Sample Time/Date: 1050 / 3/1/04 Water Color: Cloudy Odor: Yes  
 Purging Flow Rate: \_\_\_\_\_ gpm. Sediment Description: Heavy  
 Did well de-water? No If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1034</u>	<u>2</u>	<u>7.78</u>	<u>529</u>	<u>17.3</u>	_____	_____
<u>1038</u>	<u>4</u>	<u>7.63</u>	<u>507</u>	<u>17.8</u>	_____	_____
<u>1043</u>	<u>6</u>	<u>7.26</u>	<u>493</u>	<u>18.2</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- <u>6</u>	<u>6</u> x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTX+MTBE(8260)/ETHANOL(8260)
MW- <u>6</u>	<u>2</u> x amber	YES	NP	LANCASTER	TPH-D
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

### COMMENTS:

\_\_\_\_\_

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

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-6991 Job Number: 385296  
 Site Address: 2920 Castro Valley Blvd Event Date: 3/1/09 (inclusive)  
 City: Castro Valley, CA Sampler: Jim Herrera

Well ID: MW-7 Date Monitored: 3/1/09 Well Condition: OK  
 Well Diameter: 3/4 1/2 in.  
 Total Depth: 19.62 ft.  
 Depth to Water: 9.61 ft.  
10.01 xVF .17 = 1.70 x3 (case volume) = Estimated Purge Volume: 5.10 gal.

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

### Purge Equipment:

Disposable Bailer X  
 Stainless Steel Bailer \_\_\_\_\_  
 Stack Pump \_\_\_\_\_  
 Suction Pump \_\_\_\_\_  
 Grundfos \_\_\_\_\_  
 Other: \_\_\_\_\_

### Sampling Equipment:

Disposable Bailer X  
 Pressure Bailer \_\_\_\_\_  
 Discrete Bailer \_\_\_\_\_  
 Other: \_\_\_\_\_

Time Started: \_\_\_\_\_ (2400 hrs)  
 Time Bailed: \_\_\_\_\_ (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  
 Product Transferred to: \_\_\_\_\_

Start Time (purge): 0900 Weather Conditions: Rain  
 Sample Time/Date: 0920 3/1/09 Water Color: Cloudy Odor: LS  
 Purging Flow Rate: — gpm. Sediment Description: 1.5M  
 Did well de-water? No If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>0903</u>	<u>1.5</u>	<u>7.89</u>	<u>609</u>	<u>17.3</u>	_____	_____
<u>0907</u>	<u>3.0</u>	<u>7.45</u>	<u>582</u>	<u>17.6</u>	_____	_____
<u>0910</u>	<u>4.5</u>	<u>7.31</u>	<u>557</u>	<u>17.8</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
MW- <u>7</u>	<u>6</u> x voa vial	YES	HCL	LANCASTER	TPH-G(8015)/BTX+MTBE(8260)/ETHANOL(8260)
MW- <u>7</u>	<u>2</u> x amber	YES	NP	LANCASTER	TPH-D
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

### COMMENTS:

\_\_\_\_\_  
 \_\_\_\_\_

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

# Chevron California Region Analysis Request/Chain of Custody



Acct. #: 10904 For Lancaster Laboratories use only  
 Sample #: 4227583-85

SCR#: \_\_\_\_\_  
 Group # 887003

030304-10

Facility #: SS#9-6991 G-R#385296 Global ID#T0600100324  
 Site Address: 2920 CASTRO VALLEY BLVD, CASTRO VALLEY, CA  
 Chevron PM: KS Lead Consultant: CAMBRIA  
 Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568  
 Consultant Prj. Mgr.: Deanna L. Harding (deanna@grinc.com)  
 Consultant Phone #: 925-551-7555 Fax #: 925-551-7899  
 Sampler: JIM HERRON  
 Service Order #: \_\_\_\_\_  Non SAR:

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix			Total Number of Containers	Analyses Requested							Comments / Remarks	
					Soil	Water	Oil		BTEX + MTBE 8260	TPH 8015 MOD GRO	TPH 8015 MOD DRO	8260 full scan	Oxygenates	Lead 7420	Ethanol		
QA	3/1/04		Y			Y	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>								
MW-6	↓	1050	Y		Y	Y	8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							
MW-7	↓	0920	Y		Y	Y	8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>							

**Preservative Codes**  
 H = HCl    T = Thiosulfate  
 N = HNO<sub>3</sub>    B = NaOH  
 S = H<sub>2</sub>SO<sub>4</sub>    O = Other

J value reporting needed  
 Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation  
 Confirm highest hit by 8260  
 Confirm all hits by 8260  
 Run \_\_\_ oxy s on highest hit  
 Run \_\_\_ oxy s on all hits

**Turnaround Time Requested (TAT) (please circle)**  
~~STD. TAT~~    72 hour    48 hour  
 24 hour    4 day    5 day

**Data Package Options (please circle if required)**  
 QC Summary    Type I — Full  
 Type VI (Raw Data)     Coelt Deliverable not needed  
 WIP (RWQCB)  
 Disk

Relinquished by: <u>[Signature]</u>	Date: <u>3/1/04</u> Time: <u>1700</u>	Received by: <u>[Signature]</u>	Date: <u>3/3/04</u> Time: <u>1153</u>
Relinquished by: <u>[Signature]</u>	Date: <u>3/3/04</u> Time: _____	Received by: <u>[Signature]</u>	Date: <u>3/3/04</u> Time: <u>1350</u>
Relinquished by: <u>[Signature]</u>	Date: <u>3/3/04</u> Time: <u>1600</u>	Received by: <u>[Signature]</u>	Date: <u>3/3/04</u> Time: _____
Relinquished by Commercial Carrier: UPS    FedEx    Other: <u>Di Bond</u>	Temperature Upon Receipt: <u>2.5 C</u>	Received by: <u>[Signature]</u>	Date: <u>3/4/04</u> Time: <u>[Signature]</u>
Custody Seals Intact? <u>Yes</u> No			





# Analysis Report

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

## ANALYTICAL RESULTS

Prepared for:

ChevronTexaco  
6001 Bollinger Canyon Rd L4310  
San Ramon CA 94583

925-842-8582

Prepared by:

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

## SAMPLE GROUP

The sample group for this submittal is 887003. Samples arrived at the laboratory on Thursday, March 04, 2004. The PO# for this group is 99011184 and the release number is STREICH.

<u>Client Description</u>		<u>Lancaster Labs Number</u>
QA-T-040301	NA Water	4227583
MW-6-W-040301	Grab Water	4227584
MW-7-W-040301	Grab Water	4227585

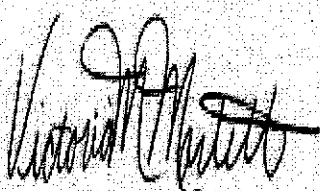
1 COPY TO  
ELECTRONIC  
COPY TO

Cambria C/O Gettler- Ryan  
Gettler-Ryan

Attn: Deanna L. Harding  
Attn: Cheryl Hansen

Questions? Contact your Client Services Representative  
Teresa L Cunningham at (717) 656-2300.

Respectfully Submitted,



Victoria M. Martell  
Chemist

Lancaster Laboratories Sample No. **WW 4227583**

 QA-T-040301                      NA                      Water  
 Facility# 96991 Job# 385296                      GRD  
 2920 Castro Valley Castro T0600100324 QA  
 Collected: 03/01/2004

Account Number: 10904

 Submitted: 03/04/2004 09:30  
 Reported: 03/16/2004 at 11:21  
 Discard: 04/16/2004

 ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

**CASTQ**

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
06054	BTEX+MTBE by 8260B					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

**Laboratory Chronicle**

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/05/2004 11:15	Todd T Smythe	1
06054	BTEX+MTBE by 8260B	SW-846 8260B	1	03/10/2004 13:41	Carrie J McCullough	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/05/2004 11:15	Todd T Smythe	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	03/10/2004 13:41	Carrie J McCullough	n.a.

Lancaster Laboratories Sample No. **WW 4227584**
**MW-6-W-040301**                      **Grab**                      **Water**  
**Facility# 96991**    **Job# 385296**                      **GRD**  
**2920 Castro Valley Castro T0600100324**    **MW-6**  
 Collected: 03/01/2004 10:50                      by JH

Account Number: 10904

 Submitted: 03/04/2004 09:30  
 Reported: 03/16/2004 at 11:21  
 Discard: 04/16/2004

 ChevronTexaco  
 6001 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

**CAST6**

CAT No.	Analysis Name	CAS Number	As Received		Units	Dilution Factor
			As Received Result	Method Detection Limit		
01728	TPH-GRO - Waters	n.a.	150.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
05553	TPH - DRO CA LUFT (Waters)	n.a.	N.D.	250.	ug/l	1
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons). Due to interferences from the sample matrix (high sediment content), the reporting limit was increased.					
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	10.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	4.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	3.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	18.	0.5	ug/l	1

State of California Lab Certification No. 2116

**Laboratory Chronicle**

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date	Time		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline	1	03/05/2004	19:01	Martha L Seidel	1
05553	TPH - DRO CA LUFT (Waters)	Method CALUFT-DRO/8015B, Modified	1	03/11/2004	01:03	Tracy A Cole	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	03/09/2004	08:14	Elizabeth M Taylor	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/05/2004	19:01	Martha L Seidel	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	03/09/2004	08:14	Elizabeth M Taylor	n.a.
02135	Extraction - DRO Water Special	TPH by CA LUFT	1	03/06/2004	02:40	Deborah A Stasiak- Birkenbine	1

**Lancaster Laboratories Sample No. WW 4227585**
**MW-7-W-040301 Grab Water GRD**  
**Facility# 96991 Job# 385296**  
**2920 Castro Valley Castro T0600100324 MW-7**  
**Collected: 03/01/2004 09:20 by JH**
**Account Number: 10904**
**Submitted: 03/04/2004 09:30**  
**Reported: 03/16/2004 at 11:21**  
**Discard: 04/16/2004**
**ChevronTexaco**  
**6001 Bollinger Canyon Rd L4310**  
**San Ramon CA 94583**
**CAST7**

CAT No.	Analysis Name	CAS Number	As Received	As Received	Units	Dilution Factor
			Result	Method		
01728	TPH-GRO - Waters	n.a.	1,500.	Detection Limit 50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
05553	TPH - DRO CA LUFT (Waters)	n.a.	2,200.	50.	ug/l	1
	According to the California LUFT Protocol, the quantitation for Diesel Range Organics was performed by peak area comparison of the sample pattern to that of our #2 fuel oil reference standard (between C10 and C28 normal hydrocarbons).					
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	16.	0.5	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05415	Ethylbenzene	100-41-4	4.	0.5	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.5	ug/l	1

State of California Lab Certification No. 2116

**Laboratory Chronicle**

CAT No.	Analysis Name	Method	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
01728	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	03/05/2004 19:34	Martha L Seidel	1
05553	TPH - DRO CA LUFT (Waters)	CALUFT-DRO/8015B, Modified	1	03/11/2004 02:11	Tracy A Cole	1
01594	BTEX+5 Oxygenates+EDC+EDB+ETOH	SW-846 8260B	1	03/09/2004 08:41	Elizabeth M Taylor	1
01146	GC VOA Water Prep	SW-846 5030B	1	03/05/2004 19:34	Martha L Seidel	n.a.
01163	GC/MS VOA Water Prep	SW-846 5030B	1	03/09/2004 08:41	Elizabeth M Taylor	n.a.
02135	Extraction - DRO Water Special	TPH by CA LUFT	1	03/06/2004 02:40	Deborah A Stasiak-Birkenbine	1

## Quality Control Summary

 Client Name: ChevronTexaco  
 Reported: 03/16/04 at 11:21 AM

Group Number: 887003

Matrix QC may not be reported if 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.

### 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: 040650005A TPH - DRO CA LUFT (Waters)	Sample number(s): 4227584-4227585 N.D.	25.	ug/l	89	88	61-126	1	20
Batch number: 04065A08B TPH-GRO - Waters	Sample number(s): 4227583 N.D.	50.	ug/l	104	130	70-130	22	30
Batch number: 04065A51A TPH-GRO - Waters	Sample number(s): 4227584-4227585 N.D.	50.	ug/l	106	109	70-130	3	30
Batch number: P040683AA Ethanol	Sample number(s): 4227584-4227585 N.D.	50.	ug/l	104		46-145		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	98		77-127		
Benzene	N.D.	0.5	ug/l	99		85-117		
Toluene	N.D.	0.5	ug/l	95		85-115		
Ethylbenzene	N.D.	0.5	ug/l	95		82-119		
Xylene (Total)	N.D.	0.5	ug/l	97		84-120		
Batch number: P040701AA Methyl Tertiary Butyl Ether	Sample number(s): 4227583 N.D.	0.5	ug/l	96		77-127		
Benzene	N.D.	0.5	ug/l	97		85-117		
Toluene	N.D.	0.5	ug/l	91		85-115		
Ethylbenzene	N.D.	0.5	ug/l	94		82-119		
Xylene (Total)	N.D.	0.5	ug/l	95		84-120		

### Sample Matrix Quality Control

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>	<u>Dup RPD Max</u>
Batch number: 040650005A TPH - DRO CA LUFT (Waters)	Sample number(s): 4227584-4227585 90		59-128						
Batch number: 04065A08B TPH-GRO - Waters	Sample number(s): 4227583 139		63-154						
Batch number: 04065A51A TPH-GRO - Waters	Sample number(s): 4227584-4227585 95		63-154						
Batch number: P040683AA Ethanol	Sample number(s): 4227584-4227585 105	96	41-155	10	30				
Methyl Tertiary Butyl Ether	94	102	69-134	2	30				
Benzene	104	105	83-128	1	30				

\*- Outside of specification

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

## Quality Control Summary

 Client Name: ChevronTexaco  
 Reported: 03/16/04 at 11:21 AM

Group Number: 887003

### Sample Matrix Quality Control

Analysis Name	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD Max
	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>
Toluene	101	101	83-127	0	30			
Ethylbenzene	100	101	82-129	0	30			
Xylene (Total)	100	102	82-130	1	30			
Batch number: P040701AA Sample number(s): 4227583								
Methyl Tertiary Butyl Ether	100	101	69-134	1	30			
Benzene	105	105	83-128	0	30			
Toluene	103	106	83-127	3	30			
Ethylbenzene	101	102	82-129	1	30			
Xylene (Total)	103	104	82-130	1	30			

### Surrogate Quality Control

 Analysis Name: TPH - DRO CA LUFT (Waters)  
 Batch number: 040650005A  
 Orthoterphenyl

4227584	93
4227585	89
Blank	89
LCS	115
LCSD	114
MS	108

Limits: 59-139

 Analysis Name: TPH-GRO - Waters  
 Batch number: 04065A08B  
 Trifluorotoluene-F

4227583	111
Blank	111
LCS	118
LCSD	114
MS	130

Limits: 57-146

 Analysis Name: TPH-GRO - Waters  
 Batch number: 04065A51A  
 Trifluorotoluene-F

4227584	106
4227585	128
Blank	107
LCS	110
LCSD	111
MS	106

Limits: 57-146

Analysis Name: BTEX+5 Oxygenates+EDC+EDB+ETOH

\*- Outside of specification

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

## Quality Control Summary

 Client Name: ChevronTexaco  
 Reported: 03/16/04 at 11:21 AM

Group Number: 887003

### Surrogate Quality Control

Batch number: P040683AA				
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4227584	100	96	96	93
4227585	98	100	96	98
Blank	98	94	97	94
LCS	101	95	97	96
MS	99	95	97	96
MSD	100	93	96	96
Limits:	81-120	82-112	85-112	83-113

Analysis Name: BTEX+MTBE by 8260B

Batch number: P040701AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
4227583	99	95	96	94
Blank	100	95	96	95
LCS	100	95	96	96
MS	101	94	96	96
MSD	100	95	96	96
Limits:	81-120	82-112	85-112	83-113

\*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background 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>N.D.</b>	none detected	<b>BMQL</b>	Below Minimum Quantitation Level
<b>TNTC</b>	Too Numerous To Count	<b>MPN</b>	Most Probable Number
<b>IU</b>	International Units	<b>CP Units</b>	cobalt-chloroplatinate units
<b>umhos/cm</b>	micromhos/cm	<b>NTU</b>	nephelometric turbidity units
<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>ug</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>ul</b>	microliter(s)
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value - The result falls within the Method Detection Limit (MDL) and Limit of Quantitation (LOQ).		
<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 of gas 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.		

## U.S. EPA CLP Data Qualifiers:

### Organic Qualifiers

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

### Inorganic Qualifiers

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

Analytical test results for methods listed on the laboratories' accreditation scope 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.

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