

R0143 ✓



# GETTLER-RYAN INC.

## TRANSMITTAL

October 8, 2004  
G-R #386499

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

CC: Ms. Karen Streich  
ChevronTexaco Company  
P.O. Box 6012, Room K2256  
San Ramon, California 94583

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

RE: **Former Chevron Service Station  
#9-0020  
1633 Harrison Street  
Oakland, California**

WE HAVE ENCLOSED THE FOLLOWING:

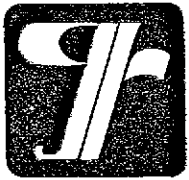
COPIES	DATED	DESCRIPTION
1	October 7, 2004	Groundwater Monitoring and Sampling Report Second Semi-Annual - Event of September 3, 2004

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 **October 26, 2004**, at which time the final report will be distributed to the following:

cc: Mr. Barney Chan, Alameda County Health Care Services, Dept. of Environmental Health, 1131 Harbor Bay Pkwy., Suite 250, Alameda, CA 94502-6577  
Mr. Martin Zone, The Oakland Housing Authority, 1619 Harrison Street, Oakland, CA 94612

Enclosures



# GETTLER - RYAN INC.

October 7, 2004  
G-R Job #386499

Ms. Karen Streich  
ChevronTexaco Company  
P.O. Box 6012, Room K2256  
San Ramon, CA 94583

RE: Second Semi-Annual Event of September 3, 2004  
Groundwater Monitoring & Sampling Report  
Former Chevron Service Station #9-0020  
1633 Harrison Street  
Oakland, California

Dear Ms. Streich:

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 laboratory analytical report are also attached.

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

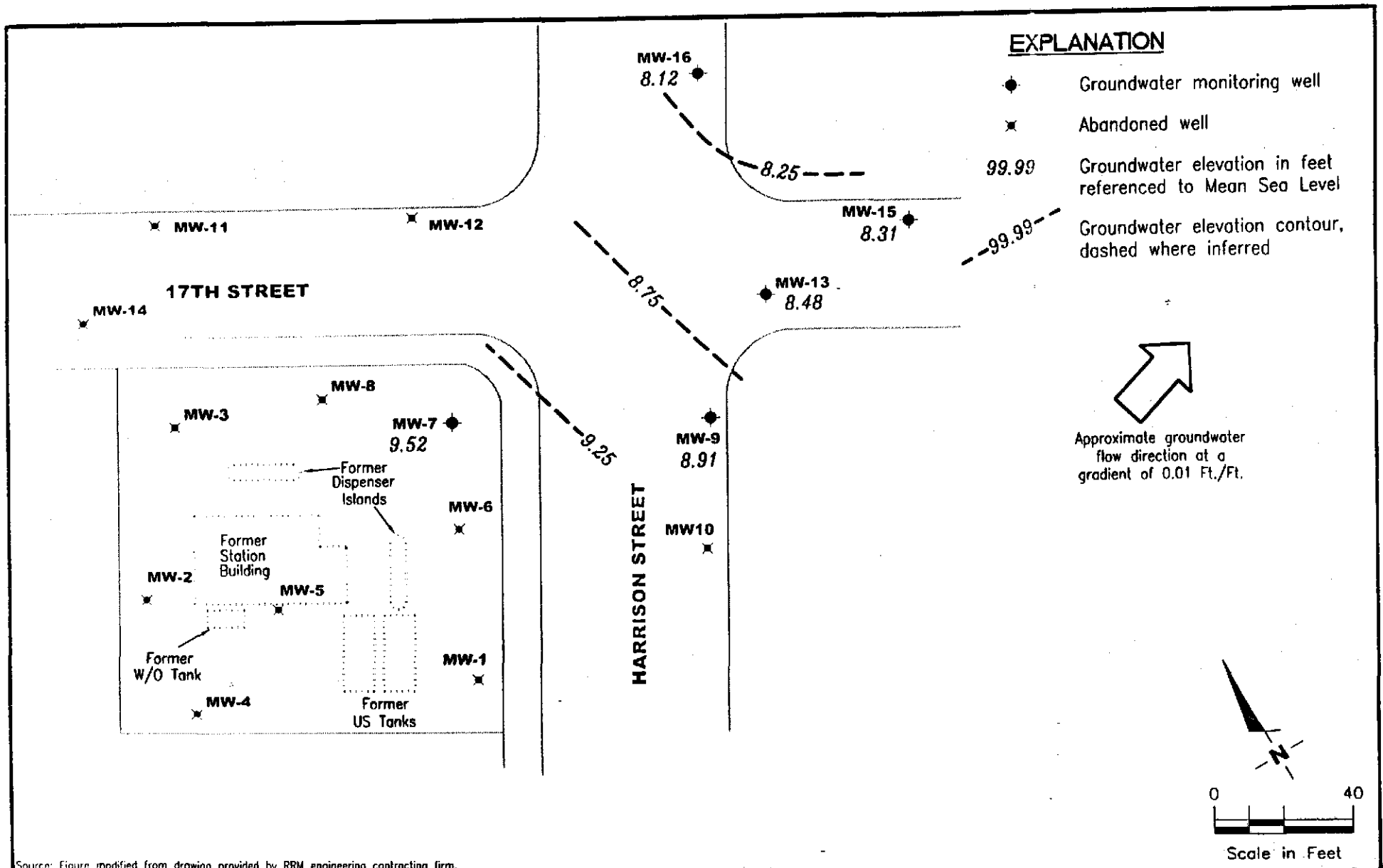
Sincerely,

  
Deanna L. Harding  
Project Coordinator

  
Robert A. Lauritzen  
Senior Geologist, R.G. No. 7504



Figure 1: Potentiometric Map  
Table 1: Groundwater Monitoring Data and Analytical Results  
Table 2: Groundwater Analytical Results  
Table 3: Groundwater Analytical Results - Oxygenate Compounds  
Attachments: Standard Operating Procedure - Groundwater Sampling  
Field Data Sheets  
Chain of Custody Document and Laboratory Analytical Reports



Source: Figure modified from drawing provided by RRM engineering contracting firm.

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

**POTENTIOMETRIC MAP**  
 Former Chevron Service Station #9-0020  
 1633 Harrison Street  
 Oakland, California

FIGURE  
**1**

PROJECT NUMBER  
**386499**

REVIEWED BY

DATE  
 September 3, 2004

REVISED DATE

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
**Former Chevron Service Station #9-0020**  
**1633 Harrison Street**  
**Oakland, California**

WELL ID/ DATE	TOC (ft.)	GWF (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-1										
11/03/88	29.82	9.42	20.40	<1000	<1.0	<1.0	<1.0	<1.0	--	--
02/02/89	29.82	9.11	20.71	--	--	--	--	--	--	--
02/10/89	29.82	--	--	<100	<0.2	<0.2	<0.2	<0.4	--	--
04/23/89	29.82	9.48	20.34	--	--	--	--	--	--	--
04/24/89	29.82	--	--	<50	<0.5	<1.0	<1.0	<1.0	--	<3000
07/28/89	29.82	9.24	20.58	<50	<0.1	<0.5	<0.2	<0.5	--	<3000
10/30/89	29.82	9.30	20.52	<500	<0.3	<0.3	<0.3	<0.6	--	--
01/09/90	29.82	9.05	20.77	<50	<0.3	<0.3	<0.3	<0.6	--	--
04/18/90	29.82	8.87	20.95	<50	<0.3	<0.3	<0.3	<0.6	--	--
06/22/90	29.82	8.82	21.00	--	--	--	--	--	--	--
08/09/90	29.82	8.88	20.94	<50	<0.3	<0.3	<0.3	<0.6	--	--
11/13/90	29.82	8.84	20.98	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/15/91	29.82	9.18	20.64	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/27/91	29.82	9.03	20.79	110	<0.5	<0.5	<0.5	<0.5	--	--
11/15/91	29.82	9.07	20.75	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/92	29.82	8.92	20.90	<50	0.5	0.6	<0.5	0.9	--	--
06/15/92	29.82	9.18	20.64	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/16/92	29.82	8.98	20.84	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/07/93	29.82	9.91	19.91	<50	<0.5	<0.5	<0.5	<1.5	--	--
06/09/93	29.82	9.97	19.85	--	--	--	--	--	--	--
09/10/93	29.82	--	--	--	--	--	--	--	--	--
09/27/93	29.82	9.47	20.35	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/17/93	29.82	9.14	20.68	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/10/94	29.82	9.25	20.57	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/16/94	29.82	9.27	20.55	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/07/94	29.82	9.13	20.69	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/30/94	29.82	9.59	20.23	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/22/95	29.82	10.37	19.45	<50	<0.5	<0.5	<0.5	<0.5	--	--

ABANDONED

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
**Former Chevron Service Station #9-0020**  
**1633 Harrison Street**  
**Oakland, California**

WELL ID/ DATE	TOC (%)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
NW-2										
11/03/88	30.59	9.70	20.89	<1000	<1.0	<1.0	<1.0	<1.0	--	--
02/02/89	30.59	9.38	21.21	--	--	--	--	--	--	--
02/10/89	30.59	--	--	<100	<0.2	<0.2	<0.2	<0.4	--	--
04/23/89	30.59	9.77	20.82	--	--	--	--	--	--	--
04/24/89	30.59	--	--	<50	<0.5	<1.0	<1.0	<1.0	--	<1000
07/28/89	30.59	9.57	21.02	<100	<0.2	<1.0	<0.2	<0.5	--	<1000
10/30/89	30.59	9.63	20.96	<500	<0.3	<0.3	<0.3	<0.6	--	--
01/09/90	30.59	9.34	21.25	<50	<0.3	<0.3	<0.3	<0.6	--	--
04/18/90	30.59	9.06	21.53	<50	<0.3	<0.3	<0.3	<0.6	--	--
06/22/90	30.59	9.02	21.57	--	--	--	--	--	--	--
08/09/90	30.59	9.04	21.55	<50	<0.3	<0.3	<0.3	<0.6	--	--
11/13/90	30.59	9.05	21.54	<50	<0.5	0.8	<0.5	0.9	--	--
05/15/91	30.59	9.44	21.15	83	<0.5	<0.5	<0.5	<0.5	--	--
08/27/91	30.59	9.32	21.27	97	<0.5	<0.5	<0.5	<0.5	--	--
11/15/91	30.59	9.29	21.30	<50	0.5	1.5	0.8	3.6	--	--
02/20/92	30.59	9.13	21.43	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/15/92	30.59	9.41	21.18	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/16/92	30.56	9.09	21.47	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/07/93	30.56	10.03	20.53	66	<0.5	<0.5	<0.5	<1.5	--	--
06/09/93	30.56	10.11	20.45	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/10/93	30.56	--	--	--	--	--	--	--	--	--
09/27/93	30.56	9.59	20.97	--	--	--	--	--	--	--
12/17/93	30.56	9.25	21.31	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/10/94	30.56	9.33	21.23	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/16/94	30.56	9.35	21.21	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/07/94	30.56	9.22	21.34	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/30/94	30.56	9.66	20.90	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/22/95	30.56	10.22	20.34	<50	<0.5	<0.5	<0.5	<0.5	--	--

ABANDONED

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
**Former Chevron Service Station #9-0020**  
**1633 Harrison Street**  
**Oakland, California**

WELL ID/ DATE	TOC (%)	GWF (msf)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-3										
11/03/88	30.09	9.55	20.54	<1000	<1.0	<1.0	<1.0	<1.0	--	--
02/02/89	30.09	9.24	20.85	--	--	--	--	--	--	--
02/10/89	30.09	--	--	<100	<0.2	<0.2	<0.2	<0.4	--	--
04/23/89	30.09	9.66	20.43	--	--	--	--	--	--	<3000
04/24/89	30.09	--	--	<50	<0.5	<1.0	<1.0	<1.0	--	<3000
07/28/89	30.09	9.45	20.64	<100	<0.2	<1.0	<0.2	<0.4	--	--
10/30/89	30.09	9.48	20.61	<500	<0.3	<0.3	<0.3	<0.6	--	--
01/09/90	30.09	9.21	20.88	<50	<0.3	<0.3	<0.3	<0.6	--	--
04/18/90	30.09	8.94	21.15	<50	<0.3	<0.3	<0.3	<0.6	--	--
06/22/90	30.09	8.89	21.20	--	--	--	--	--	--	--
08/09/90	30.09	8.91	21.18	<50	<0.3	<0.3	<0.3	<0.6	--	--
11/13/90	30.09	8.94	21.15	51	<0.5	<0.5	<0.5	<0.5	--	--
05/15/91	30.09	9.18	20.91	85	<0.5	<0.5	<0.5	<0.5	--	--
08/27/91	30.09	9.20	20.89	91	<0.5	<0.5	<0.5	<0.5	--	--
11/15/91	30.09	9.07	21.02	<50	<0.5	0.7	<0.5	1.3	--	--
02/20/92	30.09	9.02	21.07	<50	<0.5	<0.5	<0.5	0.9	--	--
06/15/92	30.09	9.27	20.82	50	<0.5	<0.5	<0.5	<0.5	--	--
12/16/92	30.08	9.07	21.07	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/07/93	30.08	9.95	20.13	<50	<0.5	<0.5	<0.5	<1.5	--	--
06/09/93	30.08	10.03	20.05	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/10/93	30.08	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/27/93	30.08	9.50	20.58	--	--	--	--	--	--	--
12/17/93	30.08	9.07	21.01	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/10/94	30.08	9.22	20.86	<50	<0.5	<0.5	<0.5	1.1	--	--
06/16/94	30.08	9.21	20.87	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/07/94	30.08	9.11	20.97	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/30/94	30.08	10.45	19.63	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/22/95	30.08	10.27	19.81	<50	<0.5	<0.5	<0.5	<0.5	--	--

ADAMSONE/D

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
**Former Chevron Service Station #9-0020**  
**1633 Harrison Street**  
**Oakland, California**

WELL ID/ DATE	TOC (%)	GWF (mg/l)	NTW (%)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
<b>MW-4</b>										
04/23/89	31.17	9.84	21.33	--	--	--	--	--	--	--
04/24/89	31.17	--	--	<50	<0.5	<1.0	<1.0	<1.0	--	<3000
07/28/89	31.17	9.59	21.58	<50	<0.1	<0.5	<0.1	<0.2	--	<3000
10/30/89	31.17	9.63	21.54	<500	<0.3	<0.3	<0.3	<0.6	--	--
01/02/90	31.17	9.35	21.82	<50	<0.3	<0.3	<0.3	<0.6	--	--
04/18/90	31.17	9.08	22.09	<50	<0.3	<0.3	<0.3	<0.6	--	--
06/22/90	31.17	9.05	22.12	--	--	--	--	--	--	--
08/09/90	31.17	9.06	22.11	<50	<0.3	<0.3	<0.3	<0.6	--	--
11/13/90	31.17	9.07	22.10	<50	<0.5	1.0	0.5	1.0	--	--
05/15/91	31.17	9.46	21.71	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/27/91	31.17	9.30	21.87	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/15/91	31.17	9.37	21.80	97	<0.5	0.9	<0.5	1.0	--	--
02/20/92	31.17	9.18	21.99	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/15/92	31.17	9.43	21.74	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/16/92	31.17	9.12	22.05	<50	0.7	0.5	0.5	1.3	--	--
01/07/93	31.17	10.06	21.11	<50	<0.5	<0.5	<0.5	<1.5	--	--
06/09/93	31.17	--	--	--	--	--	--	--	--	--
09/10/93	31.17	--	--	--	--	--	--	--	--	--
09/27/93	31.17	9.63	21.54	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/17/93	31.17	9.28	21.89	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/10/94	31.17	--	--	--	--	--	--	--	--	--
06/16/94	31.17	10.63	20.54	--	--	--	--	--	--	--
09/07/94	31.17	9.27	21.90	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/30/94	31.17	9.83	21.34	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/21/95	31.17	10.55	20.62	<50	<0.5	<0.5	<0.5	<0.5	--	--
<b>ABANDONED</b>										
<b>MW-5</b>										
04/23/89	30.28	9.66	20.62	--	--	--	--	--	--	--
04/24/89	30.28	--	--	<50	<0.5	<1.0	<1.0	<1.0	--	<3000
07/28/89	30.28	9.42	20.86	<100	<0.2	<1.0	<0.2	<0.4	--	<3000
10/30/89	30.28	9.46	20.82	<500	<0.3	<0.3	<0.3	<0.6	--	--

**TABLE I**  
**Groundwater Monitoring Data and Analytical Results**  
**Former Chevron Service Station #9-0020**  
**1633 Harrison Street**  
**Oakland, California**

WELL ID/ DATE	TOC (%)	GWE (msf)	DTW (ft)	TPH-C (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
<b>MW-5 (cont)</b>										
01/09/90	30.28	9.21	21.07	<50	<0.3	<0.3	<0.3	<0.6	--	--
04/18/90	30.28	8.93	21.35	<50	<0.3	<0.3	<0.3	<0.6	--	--
06/22/90	30.28	8.90	21.38	--	--	--	--	--	--	--
08/09/90	30.28	8.92	21.36	<50	<0.3	<0.3	<0.3	<0.6	--	--
11/13/90	30.28	8.93	21.35	<50	<0.5	1.0	<0.5	1.0	--	--
05/15/91	30.28	8.99	21.29	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/27/91	30.28	9.17	21.11	94	3.0	5.0	1.5	5.5	--	--
11/15/91	30.28	9.10	21.18	<50	0.9	1.7	<0.5	2.2	--	--
02/20/92	30.28	9.03	21.25	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/15/92	30.28	9.28	21.00	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/16/92	30.28	9.05	21.23	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/07/93	30.28	9.97	20.31	<50	<0.5	<0.5	<0.5	<1.5	--	--
06/09/93	30.28	--	--	--	--	--	--	--	--	--
09/10/93	30.28	--	--	--	--	--	--	--	--	--
09/27/93	30.28	9.52	20.76	--	--	--	--	--	--	--
<b>ABANDONED</b>										
<b>MW-6</b>										
04/23/89	29.46	9.41	20.05	--	--	--	--	--	--	--
04/24/89	29.46	--	--	<50	<0.5	<1.0	<1.0	<1.0	--	<3.0
07/28/89	29.46	9.16	20.30	<100	<0.2	<1.0	<0.2	<0.4	--	<3.0
10/30/89	29.46	9.14	20.32	<500	<0.3	<0.3	<0.3	<0.6	--	--
01/09/90	29.46	8.95	20.51	<50	<0.3	<0.3	<0.3	<0.6	--	--
04/18/90	29.46	8.74	20.72	<50	<0.3	<0.3	<0.3	<0.6	--	--
06/22/90	29.46	8.69	20.77	--	--	--	--	--	--	--
08/09/90	29.46	8.72	20.74	<50	<0.3	<0.3	<0.3	<0.6	--	--
11/13/90	29.46	8.71	20.75	<50	3.0	5.0	0.5	2.0	--	--
05/15/91	29.46	8.85	20.61	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/27/91	29.46	8.93	20.53	180	6.1	12	3.8	14	--	--
11/15/91	29.46	8.93	20.53	<50	<0.5	0.6	<0.5	<0.5	--	--
02/20/92	29.46	8.77	20.69	<50	0.9	1.1	<0.5	1.4	--	--
06/15/92	29.46	9.08	20.38	<50	<0.5	<0.5	<0.5	<0.5	--	--



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
**Former Chevron Service Station #9-0020**  
**1633 Harrison Street**  
**Oakland, California**

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPII-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOC (ppb)
<b>MW-6 (cont)</b>										
12/16/92	29.45	8.88	20.57	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/07/93	29.45	9.86	19.59	<50	<0.5	<0.5	<0.5	<1.5	--	--
06/09/93	29.45	9.95	19.50	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/10/93	29.45	--	--	--	--	--	--	--	--	--
09/27/93	29.45	9.38	20.07	--	--	--	--	--	--	--
<b>ABANDONED</b>										
<b>MW-7</b>										
04/23/89	29.01	10.02	18.99	--	--	--	--	--	--	--
04/24/89	29.01	--	--	8400	100	260	160	1300	--	<3.0
07/28/89	29.01	9.07	19.94	7000	230	90	70	440	--	<3000
07/28/89 (D)	29.01	--	--	6000	280	180	58	430	--	--
10/30/89	29.01	9.04	19.97	10,000	570	55	160	400	--	--
10/30/89 (D)	29.01	--	--	9900	520	82	180	410	--	--
01/09/90	29.01	8.86	20.15	3400	290	72	9.0	200	--	--
04/18/90	29.01	8.64	20.37	6800	350	140	110	400	--	--
06/22/90	29.01	8.61	20.40	--	--	--	--	--	--	--
08/09/90	29.01	8.63	20.38	11,000	360	130	14	660	--	--
11/13/90	29.01	8.60	20.41	6500	230	110	97	460	--	--
05/15/91	29.01	8.54	20.47	4600	180	55	46	300	--	--
08/27/91	29.01	8.87	20.14	7000	220	53	63	340	--	--
11/15/91	29.01	8.79	20.22	3300	150	19	4.9	200	--	--
02/20/92	29.01	8.69	20.32	5200	520	150	100	380	--	--
06/15/92	29.01	9.03	19.98	10,000	760	430	320	1100	--	--
12/16/92	29.01	8.87	20.14	11,000	810	350	280	1100	--	--
04/07/93	29.01	9.87	19.14	150	1.4	0.9	0.9	4.5	--	--
06/09/93	29.01	9.96	19.05	180	4.0	1.0	1.0	3.0	--	--
09/10/93	29.01	--	--	--	--	--	--	--	--	--
09/27/93	29.01	--	--	--	--	--	--	--	--	--
12/17/93	29.01	--	--	--	--	--	--	--	--	--
03/10/94	29.01	--	--	--	--	--	--	--	--	--
06/16/94	29.01	--	--	--	--	--	--	--	--	--

**Table I**  
**Groundwater Monitoring Data and Analytical Results**  
**Former Chevron Service Station #9-0020**  
**1633 Harrison Street**  
**Oakland, California**

WELL ID/ DATE	TOC (%)	GWE (mg/l)	DTW (%)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-7 (cont)										
09/07/94	29.01	--	--	--	--	--	--	--	--	--
11/30/94	29.01	INACCESSIBLE		--	--	--	44	200	--	--
01/17/95	29.01	17.39	11.62	2700	140	65	1.1	0.77	--	--
03/22/95	29.01	11.33	17.68	160	3.4	<0.5	<0.5	<0.5	--	--
06/27/95	29.01	9.75	19.26	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/28/95	29.01	9.67	19.34	1500	84	24	26	130	--	--
12/30/95	29.01	9.85	19.16	200	1.6	<0.5	1.3	5.9	5.5	--
02/28/96	29.01	10.57	18.44	650	14	1.3	4.2	16	34	--
06/27/96	29.01	10.29	18.72	640	140	10	9.8	14	55	--
09/13/96	29.01	9.61	19.40	1400	100	30	24	66	130	--
12/16/96	29.01	8.91	20.10	2600	140	72	51	180	<50	--
03/20/97	29.01	10.06	18.95	64	1.7	2.4	<0.5	0.67	<2.5	--
09/08/97	29.01	9.34	19.67	590	45	<1.0	7.7	<1.0	46	--
02/16/98	29.01	10.41	18.60	120	8.7	7.5	1.9	11	4.4	--
08/25/98	29.01	9.61	19.40	160	6.2	33	0.84	2.0	<2.5	--
03/09/99	29.01	13.01	16.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/29/99	29.01	12.12	16.89	276	35.1	2.54	2.17	5.43	<5.0/2.0 <sup>1</sup>	--
03/27/00	29.01	9.42	19.59	721	38.5	1.06	6.31	9.38	7.75	--
09/18/00	29.01	8.99	20.02	88 <sup>1</sup>	2.5	0.92	<0.50	1.3	8.7	--
03/27/01	29.01	9.16	19.85	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	--
09/05/01	29.01	8.60	20.41	220	1.9	2.3	<0.50	<3.0	<2.5	--
03/15/02	29.01	9.16	19.85	NOT SAMPLED - DUE TO INSUFFICIENT WATER						
09/14/02	29.01	8.72	20.29	69	2.2	0.85	<0.50	<1.5	<2.5	--
03/26/03	29.01	8.89	20.12	78	<0.50	0.68	<0.50	<1.5	<2.5	--
09/02/03 <sup>6,7</sup>	29.01	7.99	21.02	76	<0.5	<0.7	<0.8	<1.6	<0.5	--
03/29/04 <sup>6</sup>	29.01	10.13	18.88	160	1	<0.5	0.5	0.6	1	--
09/03/04 <sup>6</sup>	29.01	9.52	19.49	110	2	1	0.8	0.8	<0.5	--
MW-8										
04/23/89	29.57	9.43	20.14	--	--	--	--	--	--	--
04/24/89	29.57	--	--	<50	<0.5	<1.0	<1.0	<1.0	--	3000
04/24/89 <sup>1</sup>	29.57	--	--	<50	<0.5	<1.0	<1.0	<1.0	--	--

**Table I**  
**Groundwater Monitoring Data and Analytical Results**  
**Former Chevron Service Station #9-0020**  
**1633 Harrison Street**  
**Oakland, California**

WELL ID/ DATE	TOC (%)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	P (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
<b>MW-8 (cont)</b>										
07/28/89	29.57	9.20	20.37	<100	<0.2	<1.0	<0.2	<0.4	--	<1000
10/30/89	29.57	9.25	20.32	<500	<0.3	<0.3	<0.3	<0.6	--	--
01/09/90	29.57	8.97	20.60	<50	<0.3	<0.3	<0.3	<0.6	--	--
04/18/90	29.57	8.70	20.87	<50	<0.3	<0.3	<0.3	<0.6	--	--
06/22/90	29.57	9.23	20.34	--	--	--	--	--	--	--
08/09/90	29.57	8.68	20.89	<50	<0.3	<0.3	<0.3	<0.6	--	--
11/13/90	29.57	8.71	20.86	<50	<0.5	0.8	<0.5	2.0	--	--
05/15/91	29.57	9.08	20.49	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/27/91	29.57	8.97	20.60	73	<0.5	<0.5	<0.5	<0.5	--	--
11/15/91	29.57	8.95	20.62	<50	<0.5	0.7	<0.5	2.1	--	--
02/20/92	29.57	8.77	20.80	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/15/92	29.57	9.09	20.48	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/16/92	29.57	8.89	20.68	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/07/93	29.57	9.87	19.70	<50	<0.5	<0.5	<0.5	<1.5	--	--
06/09/93	29.57	9.97	19.60	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/10/93	29.57	--	--	--	--	--	--	--	--	--
09/27/93	29.57	9.35	20.22	--	--	--	--	--	--	--
<b>ABANDONED</b>										
<b>MW-9</b>										
06/22/90	28.67	7.87	20.80	5700	47	31	280	530	--	<1000
08/09/90	28.67	7.93	20.74	8000	<0.3	17	210	480	--	--
11/13/90	28.67	7.89	20.78	6400	<3.0	20	240	450	--	--
05/15/91	28.67	8.19	20.48	5700	2.0	16	190	390	--	--
08/27/91	28.67	8.12	20.55	6700	<3.0	31	180	350	--	--
11/15/91	28.67	8.10	20.57	4000	8.8	26	150	280	--	--
02/20/92	28.67	6.90	21.77	3400	13	30	230	460	--	--
06/15/92	28.67	8.30	20.37	4500	19	72	280	560	--	--
12/16/92	28.68	8.39	20.29	9900	380	220	380	1300	--	--
04/07/93	28.68	9.36	19.32	8700	51	150	360	1000	--	--
06/09/93	28.68	9.52	19.16	8900	170	160	350	1100	--	--
09/10/93	28.68	--	--	4600	110	63	190	350	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
**Former Chevron Service Station #9-0020**  
**1633 Harrison Street**  
**Oakland, California**

WELL ID/ DATE	TOC (ft.)	GWE (mst)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	F (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-9 (cont)										
09/27/03	28.68	8.74	19.94	--	--	--	--	--	--	--
12/17/03	28.68	8.37	20.31	4600	92	85	180	300	--	--
03/10/04	28.68	8.38	20.30	3300	8.0	29	120	170	--	--
06/16/04	28.68	8.42	20.26	2900	4.8	16	85	64	--	--
09/07/04	28.68	8.27	20.41	2900	<0.5	9.9	70	75	--	--
11/30/04	28.68	8.70	19.98	2100	<5.0	<5.0	53	51	--	--
03/22/05	28.68	9.27	19.41	2200	<5.0	5.3	26	69	--	--
06/27/05	28.68	9.28	19.40	2900	7.4	10	68	99	--	--
09/28/05	28.68	9.13	19.55	4000	32	<10	36	44	--	--
12/30/05	28.68	8.88	19.80	3800	<5.0	13	<5.0	120	120	--
02/28/06	28.68	8.93	19.75	2000	9.9	<5.0	46	30	<25	--
06/27/06	28.68	9.13	19.55	2400	36	7.1	65	72	<50	--
09/13/06	28.68	8.86	19.82	2500	26	8.4	53	39	36	--
12/16/06	28.68	7.91	20.77	1200	3.5	2.4	12	14	<10	--
03/20/07	28.68	9.28	19.40	2400	25	5.8	26	22	<25	--
09/08/07	28.68	8.59	20.09	1800	9.5	8.1	22	21	12	--
02/16/08	28.68	9.45	19.23	950	5.6	3.1	13	13	18	--
08/25/08	28.68	9.18	19.50	2100	2.5	6.4	3.5	51	8.9	--
03/09/09	28.68	8.87	19.81	1400	12	7.8	8.8	16	8.8	--
07/19/09	28.68	--	--	--	--	--	--	--	--	--
09/29/09	28.68	8.27	20.41	217	1.36	1.14	1.56	1.49	<5.0/<2.0	--
03/27/00	28.68	INACCESSIBLE	--	--	--	--	--	--	--	--
09/18/00	28.68	8.63	20.05	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
03/27/01	28.68	8.84	19.84	718	<0.500	<0.500	3.31	12.3	<0.500	--
09/05/01	28.68	8.39	20.29	1,500	<0.50	2.9	11	25	<2.5	--
03/15/02	28.68	8.07	20.61	740	0.56	<0.50	4.0	5.3	<2.5	--
09/14/02	28.68	8.62	20.06	580	<1.0	<1.0	1.8	3.4	3.4	--
03/26/03	28.68	8.71	19.97	440	1.7	0.69	<5.0	<1.5	<2.5	--
09/02/03	28.68	7.82	20.86	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--
03/29/04	28.68	9.54	19.14	660	<0.5	<0.5	12	11	0.8	--
09/03/04	28.68	8.91	19.77	350	<0.5	<0.5	2	0.9	<0.5	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
**Former Chevron Service Station #9-0020**  
**1633 Harrison Street**  
**Oakland, California**

WELL ID/ DATE	TOC (%)	GWE (msl)	DTW (ft.)	TPT-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTRF (ppb)	TOG (ppb)
<b>MW-10</b>										
06/22/90	28.60	8.12	20.48	<50	<0.5	<0.5	<0.5	<0.5	--	<1000
08/09/90	28.60	8.15	20.45	<50	<0.3	<0.3	<0.3	<0.6	--	--
11/13/90	28.60	8.13	20.47	<50	<0.5	2.0	0.5	2.0	--	--
05/15/91	28.60	8.45	20.15	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/27/91	28.60	8.33	20.27	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/15/91	28.60	8.27	20.33	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/92	28.60	7.15	21.45	<50	2.0	2.2	<0.5	2.1	--	--
06/15/92	28.60	7.30	21.30	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/16/92	28.62	8.45	20.17	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/07/93	28.62	9.41	19.26	<50	<0.5	<0.5	<0.5	<1.5	--	--
06/09/93	28.62	9.55	19.07	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/10/93	28.62	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/24/93	28.62	8.90	19.72	--	--	--	--	--	--	--
12/17/93	28.62	8.55	20.07	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/10/94	28.62	8.65	19.97	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/16/94	28.62	8.64	19.98	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/07/94	28.62	8.50	20.12	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/30/94	28.62	8.92	19.70	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/22/95	28.62	9.70	18.92	<50	<0.5	<0.5	<0.5	<0.5	--	--
<b>ABANDONED</b>										
<b>MW-11</b>										
06/22/90	29.37	8.34	21.03	<50	<0.5	<0.5	<0.5	<0.5	--	<1000
08/09/90	29.37	8.35	21.02	<50	<0.3	<0.3	<0.3	<0.6	--	--
11/13/90	29.37	8.44	20.93	76	0.6	1.0	0.9	4.0	--	--
05/15/91	29.37	8.76	20.61	78	<0.5	<0.5	<0.5	<0.5	--	--
08/27/91	29.37	8.67	20.70	110	<0.5	<0.5	<0.5	<0.5	--	--
11/15/91	29.37	8.69	20.68	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/92	29.37	7.46	21.91	<50	1.9	2.1	1.0	4.4	--	--
06/15/92	29.37	8.81	20.56	--	--	--	--	--	--	--
12/16/92	29.39	8.64	20.75	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/07/93	29.39	9.56	19.83	<50	<0.5	<0.5	<0.5	<1.5	--	--

**Table I**  
**Groundwater Monitoring Data and Analytical Results**  
**Former Chevron Service Station #9-0020**  
**1633 Harrison Street**  
**Oakland, California**

WELL ID/ DATE	TOC (%)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-11 (cont)										
06/09/93	29.39	9.72	19.67	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/10/93	29.39	--	--	--	--	--	--	--	--	--
09/27/93	29.39	9.06	20.33	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/17/93	29.39	8.66	20.73	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/10/94	29.39	8.70	20.69	--	--	--	--	--	--	--
06/16/94	29.39	8.83	20.56	<50	<0.5	<0.5	<0.5	<0.5	--	--
ABANDONED										
MW-12										
06/22/90	28.43	7.98	20.45	<50	<0.5	<0.5	<0.5	<0.5	--	<1000
08/09/90	28.43	8.00	20.43	<50	<0.3	<0.3	<0.3	<0.6	--	--
11/13/90	28.43	7.98	20.45	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/15/91	28.43	8.36	20.07	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/27/91	28.43	8.28	20.15	56	<0.5	<0.5	<0.5	<0.5	--	--
11/15/91	28.43	8.18	20.25	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/92	28.43	7.06	21.37	<50	2.5	3.1	0.7	3.0	--	--
06/15/92	28.43	8.53	19.90	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/16/92	28.43	8.63	19.80	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/07/93	28.43	9.68	18.75	<50	<0.5	<0.5	<0.5	<1.5	--	--
06/09/93	28.43	--	--	--	--	--	--	--	--	--
09/10/93	28.43	--	--	--	--	--	--	--	--	--
09/27/93	28.43	8.80	19.63	--	--	--	--	--	--	--
ABANDONED										
MW-13										
11/15/91	28.63	7.56	21.07	3100	68	40	110	270	--	--
02/20/92	28.63	6.46	22.17	3100	120	50	240	400	--	--
06/15/92	28.63	7.96	20.67	3200	35	33	210	300	--	--
12/16/92	28.62	8.28	20.34	87,000	1400	540	2400	11,000	--	--
04/07/93	28.62	9.21	19.41	1500	72	12	70	160	--	--
06/09/93	28.62	9.42	19.20	210	6.0	2.0	7.0	16	--	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
**Former Chevron Service Station #9-0020**  
**1633 Harrison Street**  
**Oakland, California**

WELL ID/ DATE	TOC (%)	GWB (msf)	DTW (%)	TPH-G (ppb)	B (ppb)	T (ppb)	F (ppb)	X (ppb)	MRE (ppb)	TOG (ppb)
MW-13 (cont)										
09/10/93	28.62	--	--	73	3.0	<0.5	2.0	3.0	--	--
09/27/93	28.62	8.27	20.35	--	--	--	--	--	--	--
12/17/93	28.62	7.86	20.76	640	43	12	12	37	--	--
03/10/94	28.62	7.93	20.69	540	44	22	10	69	--	--
06/16/94	28.62	7.95	20.67	1800	63	12	18	64	--	--
09/07/94	28.62	7.79	20.83	1400	59	12	22	50	--	--
11/30/94	28.62	8.21	20.41	700	36	4.4	18	31	--	--
03/22/95	28.62	8.80	19.82	190	1.4	1.4	<0.5	<0.5	--	--
06/27/95	28.62	8.86	19.76	220	1.8	<0.5	<0.5	0.84	--	--
09/28/95	28.62	8.58	20.04	160	3.2	<0.5	0.97	2.2	--	--
12/30/95	28.62	8.32	20.30	190	0.94	<0.5	0.74	1.1	<2.5	--
02/28/96	28.62	8.73	19.89	130	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/27/96	28.62	8.64	19.98	280	<0.5	1.4	<0.5	3.8	9.4	--
09/13/96	28.62	8.34	20.28	170	<0.5	<0.5	<0.5	0.89	2.7	--
12/16/96	28.62	8.15	20.47	170	<0.5	0.51	0.6	3.0	<2.5	--
03/20/97	28.62	8.72	19.90	290	1.6	0.78	1.1	1.5	3.4	--
09/08/97	28.62	8.13	20.49	140	0.52	1.5	<0.5	1.2	<2.5	--
02/16/98	28.62	8.87	19.75	64	<0.5	<0.5	<0.5	<0.5	<2.5	--
08/25/98	28.62	8.60	20.02	99	<0.5	<0.5	<0.5	1.7	<2.5	--
03/09/99	28.62	8.62	20.00	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/29/99	28.62	8.13	20.49	<50	<0.5	<0.5	<0.5	<0.5	<5.0/<2.0 <sup>1</sup>	--
03/27/00	28.62	8.58	20.04	89.5	0.765	0.682	<0.5	0.688	4.04	--
09/18/00	28.62	8.13	20.49	1,300 <sup>5</sup>	6.9	2.8	14	28	12	--
03/27/01	28.62	8.34	20.28	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	--
09/05/01	28.62	7.96	20.66	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
03/15/02	28.62	8.52	20.10	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
09/14/02	28.62	8.16	20.46	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
03/26/03	28.62	8.20	20.42	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
09/02/03 <sup>6</sup>	28.62	7.27	21.35	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--
03/29/04 <sup>6</sup>	28.62	8.96	19.66	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--
09/03/04 <sup>6</sup>	28.62	8.48	20.14	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--

**Table I**  
**Groundwater Monitoring Data and Analytical Results**  
**Former Chevron Service Station #9-0020**  
**1633 Harrison Street**  
**Oakland, California**

WELL ID/ DATE	TOC (ft.)	GWF (msl)	DTW (ft.)	TPH-C (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-14										
11/15/91	29.46	9.13	20.33	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/92	29.46	8.05	21.41	<50	1.3	1.8	1.1	5.2	--	--
06/15/92	29.46	--	--	--	--	--	--	--	--	--
12/16/92	29.45	8.79	20.66	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/07/93	29.45	--	--	--	--	--	--	--	--	--
06/09/93	29.45	--	--	--	--	--	--	--	--	--
09/10/93	29.45	--	--	--	--	--	--	--	--	--
09/27/93	29.45	9.19	20.26	--	--	--	--	--	--	--
ABANDONED										
MW-15										
12/16/92	28.04	8.30	19.74	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/07/93	28.04	9.24	18.80	<50	1.3	<0.5	<0.5	<1.5	--	--
06/09/93	28.04	9.44	18.60	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/10/93	28.04	--	--	--	--	--	--	--	--	--
09/27/93	28.04	8.11	19.93	<50	2.0	<0.5	<0.5	<0.5	--	--
12/17/93	28.04	7.72	20.32	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/10/94	28.04	7.75	20.29	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/16/94	28.04	7.73	20.31	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/07/94	28.04	7.61	20.43	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/30/94	28.04	8.03	20.01	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/22/95	28.04	8.57	19.47	69	4.9	<0.5	<0.5	<0.5	--	--
06/27/95	28.04	8.70	19.34	<50	3.9	<0.5	1.4	<0.5	--	--
09/28/95	28.04	8.38	19.66	<50	0.82	<0.5	<0.5	<0.5	--	--
12/30/95	28.04	8.10	19.94	160	7.0	1.4	<0.5	1.8	14	--
02/28/96	28.04	8.41	19.63	81	1.7	<0.5	<0.5	<0.5	<2.5	--
06/27/96	28.04	8.44	19.60	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
09/13/96	28.04	8.14	19.90	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/16/96	28.04	7.81	20.23	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/20/97	28.04	8.52	19.52	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/08/97	28.04	7.86	20.18	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/16/98	28.04	8.67	19.37	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--



**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
**Former Chevron Service Station #9-0020**  
**1633 Harrison Street**  
**Oakland, California**

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
MW-15 (cont)										
08/25/98	28.04	8.34	19.70	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/09/99	28.04	8.35	19.69	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/29/99	28.04	7.92	20.12	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
03/27/00	28.04	8.37	19.67	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/18/00	28.04	7.91	20.13	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
03/27/01	28.04	8.13	19.91	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	--
09/05/01	28.04	7.76	20.28	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
03/15/02	28.04	8.33	19.71	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
09/14/02	28.04	7.94	20.10	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
03/26/03	28.04	7.99	20.05	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
09/02/03 <sup>6</sup>	28.04	7.12	20.92	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--
03/29/04 <sup>6</sup>	28.04	8.73	19.31	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--
09/03/04 <sup>6</sup>	28.04	8.31	19.73	<50	<0.5	<0.5	<0.5	<1.0	<0.5	--
MW-16										
12/16/92	28.32	8.74	19.58	--	--	--	--	--	--	--
12/21/92	28.32	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/07/93	28.32	9.91	18.41	<50	<0.5	6.8	<0.5	<0.5	--	--
06/09/93	28.32	10.07	18.25	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/10/93	28.32	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/27/93	28.32	8.16	20.16	--	--	--	--	--	--	--
12/17/93	28.32	--	--	--	--	--	--	--	--	--
03/10/94	28.32	7.77	20.55	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/16/94	28.32	7.67	20.65	<50	0.9	0.7	<0.5	<0.5	--	--
09/07/94	28.32	7.59	20.73	150	1.3	0.8	1.2	3.6	--	--
11/30/94	28.32	8.04	20.28	4200	300	<5.0	34	350	--	--
03/22/95	28.32	8.65	19.67	2900	180	5.7	21	91	--	--
06/27/95	28.32	8.72	19.60	2000	330	10	27	48	--	--
09/28/95	28.32	INACCESSIBLE	--	--	--	--	--	--	--	--
12/30/95	28.32	8.06	20.26	3100	770	39	30	80	<12	--
02/28/96	28.32	8.48	19.84	1600	320	15	11	21	<25	--
06/27/96	28.32	8.45	19.87	2900	670	48	54	86	280	--

**TABLE 1**  
**Groundwater Monitoring Data and Analytical Results**  
**Former Chevron Service Station #9-0020**  
**1633 Harrison Street**  
**Oakland, California**

WELL ID/ DATE	TOC (%)	GWF (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)	
MW-16 (cont)											
09/13/96	28.32	8.17	20.15	1400	18	4.0	8.6	16	<10	--	
12/16/96	28.32	7.53	20.79	3100	500	25	23	52	<25	--	
03/20/97	28.32	8.52	19.80	3800	550	23	14	8.4	140	--	
09/08/97	28.32	7.97	20.35	2800	470	28	24	41	<10	--	
02/16/98	28.32	8.40	19.92	3100	570	35	27	54	<25	--	
08/25/98	28.32	8.12	20.20	3500	520	43	57	75	<12	--	
03/09/99	28.32	8.15	20.17	4900	750	55	40	120	<50	--	
09/29/99	28.32	7.77	20.55	5480	717	45.3	44	100	<125/<10'	--	
03/27/00	28.32	INACCESSIBLE	--	--	--	--	--	--	--	--	
09/18/00	28.32	7.85	20.47	--	--	--	--	--	--	--	
03/27/01	28.32	INACCESSIBLE	--	--	--	--	--	--	--	--	
09/05/01	28.32	8.70	19.62	6,500	710	72	45	94	<20	--	
03/15/02	28.32	8.28	20.04	5,800	520	60	28	68	<2.5	--	
09/14/02	28.32	7.84	20.48	7,300	560	75	52	100	<50	--	
01/26/03	28.32	7.91	20.41	8,200	650	96	66	120	<50	--	
09/02/03	28.32	7.02	21.30	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--
03/29/04	28.32	INACCESSIBLE - VEHICLE PARKED OVER WELL				--	--	--	--	--	--
09/03/04	28.32	8.12	20.20	7,400	140	89	58	139	<0.5	--	
TRIP BLANK											
11/03/88	--	--	--	--	<1.0	<1.0	<1.0	<1.0	--	--	
02/10/89	--	--	--	<50	<0.1	<0.1	<0.1	<0.2	--	--	
04/24/89	--	--	--	<50	<0.5	<0.5	<1.0	<1.0	--	--	
07/28/89	--	--	--	<50	<0.1	<0.1	<0.1	<0.2	--	--	
10/30/89	--	--	--	<500	<0.3	<0.3	<0.3	<0.6	--	--	
01/09/90	--	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--	
04/18/90	--	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--	
06/22/90	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	
08/09/90	--	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--	
11/13/90	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	
05/15/91	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	
08/27/91	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
**Former Chevron Service Station #9-0020**  
**1633 Harrison Street**  
**Oakland, California**

WELL ID/ DATE	TOC (%)	GWE (msl)	DTW (ft)	TPH-G (ppb)	B (ppb)	T (ppb)	P (ppb)	X (ppb)	MTBE (ppb)	TOG (ppb)
TRIP BLANK (cont)										
11/15/91	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/92	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/15/92	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/16/92	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/07/93	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
06/09/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/10/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/27/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/17/93	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/10/94	--	--	--	<50	<0.5	0.6	<0.5	0.6	--	--
06/16/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/07/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/30/94	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/17/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/22/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/27/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/28/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/30/95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/28/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/27/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
09/13/96	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/16/96	--	--	--	<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	--
09/08/97	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/16/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
08/25/98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/09/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/29/99	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
03/27/00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/18/00	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5	--
03/27/01	--	--	--	<50.0	<0.500	<0.500	<0.500	<0.500	<0.500	--
09/05/01	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--

**Table 1**  
**Groundwater Monitoring Data and Analytical Results**  
 Former Chevron Service Station #9-0020  
 1633 Harrison Street  
 Oakland, California

WELL ID/ DATE	TOC (ft.)	GWE (msl)	DTW (ft.)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTRB (ppb)	TOC (ppb)
QA	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
03/15/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
09/14/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5	--
03/26/03	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/02/03	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
03/29/04	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/03/04	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--

**Table I**  
**Groundwater Monitoring Data and Analytical Results**  
Former Chevron Service Station #9-0020  
1633 Harrison Street  
Oakland, California

---

**EXPLANATIONS:**

Groundwater monitoring data and analytical results prior to September 18, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing

(ft.) = Feet

GWE = Groundwater Elevation

(msl) = Mean sea level

DIW = Depth to Water

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

(D) = Duplicate

QA = Quality Assurance/Trip Blank

1 Confirmation run.

2 ORC installed.

3 ORC in well.

4 Laboratory report indicates gasoline C6-C12.

5 Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons C6-C12.

6 RIEX and MTBE by EPA Method 8260.

7 Removed ORC in well.

**Table 2**  
**Groundwater Analytical Results**  
Former Chevron Service Station #9-0020  
1633 Harrison Street  
Oakland, California

WELL ID/ DATE	Carbon Tet (ppb)	Chloroform (ppb)	PCE (ppb)	TCF (ppb)	1,2-DCE (ppb)	1,1,2-DCE (ppb)	1,1,1-DCE (ppb)	1,1,1-TCA (ppb)	1,2-DCA (ppb)	1,2-DCP (ppb)	1,1-DCE (ppb)	MC (ppb)
ARABIANWELL												
MW-1												
11/03/88	18	7.0	<1.0	<1.0	--	<1.0	--	<1.0	<1.0	--	--	--
02/10/89	17	6.0	<0.2	<0.2	--	<0.2	<0.2	<0.2	<0.2	--	--	--
04/24/89	16	6.0	<1.0	<1.0	<1.0	--	<1.0	<1.0	<1.0	--	--	--
07/28/89	20	6.4	<0.1	<0.1	--	<0.1	<0.1	0.3	<0.1	--	--	--
10/30/89	11	4.9	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--	--	--
01/09/90	24	7.2	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	--
04/18/90	23	5.5	<0.5	<0.5	<0.5	--	--	1.4	<0.5	<0.5	<0.5	--
08/09/90	32	11	0.7	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	--
11/13/90	24	7.0	60.7	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/15/91	15	5.0	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/27/91	18	4.2	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/15/91	21	7.9	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/20/92	24	7.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/15/92	10	3.2	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
ARABIANWELL												
MW-2												
11/03/88	3.0	2.0	34	3.0	--	10	--	<1.0	<1.0	--	--	--
02/10/89	1.4	1.0	17.2	<0.2	--	<0.2	6.3	<0.2	<0.2	--	--	--
04/24/89	2.0	2.0	38	3.0	9.0	--	--	<1.0	<1.0	--	--	--
07/28/89	3.7	2.0	46	2.6	--	<0.2	<0.2	<0.2	<0.2	--	--	--
10/30/89	1.4	2.6	53	1.1	14	--	--	<0.5	<0.5	--	--	--
01/09/90	3.6	3.9	78	5.3	16	--	--	<0.5	<0.5	<0.5	<0.5	--
04/18/90	1.5	2.7	130	3.9	19	--	--	<0.5	<0.5	<0.5	<0.5	--
08/09/90	2.1	2.1	74	6.1	15	--	--	<0.5	<0.5	<0.5	<0.5	--
11/13/90	<0.5	2.0	40	4.0	--	<0.5	10	<0.5	<0.5	<0.5	<0.5	--
05/15/91	2.0	2.0	56	6.0	--	<0.5	15	<0.5	<0.5	<0.5	<0.5	--
08/27/91	1.1	0.9	46	3.9	--	--	8.0	<0.5	<0.5	<0.5	<0.5	--
11/15/91	0.6	1.1	58	3.1	--	<0.5	6.3	<0.5	<0.5	<0.5	<0.5	--
02/20/92	11	<2.5	62	3.1	--	<2.5	4.3	<2.5	<2.5	<2.5	<2.5	--
06/15/92	<0.5	1.2	45	3.1	--	<0.5	4.8	<0.5	<0.5	<0.5	<0.5	--
ARABIANWELL												

**Table 2**  
**Groundwater Analytical Results**  
 Former Chevron Service Station #9-0020  
 1633 Harrison Street  
 Oakland, California

WELL ID/ DATE	Carbon Tet (ppb)	Chloroform (ppb)	PCE (ppb)	TCE (ppb)	1,2-DCE (ppb)	1,1,2-DCE (ppb)	1,1,1-DCE (ppb)	1,1,1-TCA (ppb)	1,2-DCA (ppb)	1,2-DCP (ppb)	1,1-DCE (ppb)	MC (ppb)
<b>MW-3</b>												
11/03/88	8.0	6.0	84	3.0	--	5.0	--	<1.0	<1.0	--	--	--
02/10/89	5.8	4.0	53	1.9	--	<0.2	9.0	<0.2	<0.2	--	--	--
04/24/89	7.0	6.0	110	3.0	11	--	--	<1.0	<1.0	--	--	--
07/28/89	8.6	5.0	49	2.1	--	<0.2	11	<0.2	<0.1	--	--	--
10/30/89	5.6	5.3	62	0.7	8.2	--	--	<0.5	<0.5	--	--	--
01/09/90	8.6	6.1	81	73.8	8.7	--	--	<0.5	<0.5	--	--	--
04/18/90	7.6	5.8	120	2.4	11	--	--	<0.5	<0.5	<0.5	<0.5	--
08/09/90	11	6.7	81	5.1	11	--	--	<0.5	<0.5	<0.5	<0.5	--
11/13/90	7.0	5.0	43	4.0	--	<0.5	9.0	<0.5	<0.5	<0.5	<0.5	--
05/15/91	6.0	4.0	46	3.0	--	<0.5	8.0	<0.5	<0.5	<0.5	<0.5	--
08/27/91	5.5	3.8	43	2.6	--	--	8.1	<0.5	<0.5	<0.5	<0.5	--
11/15/91	6.3	5.0	67	3.4	--	0.8	7.4	0.9	<0.5	<0.5	<0.5	--
02/20/92	2.8	4.0	96	3.0	--	<2.5	6.1	<2.5	<2.5	<2.5	<2.5	--
06/15/92	5.0	3.9	86	2.9	--	<0.5	7.5	<0.5	<0.5	<0.5	<0.5	--
<b>ABANDONED</b>												
<b>MW-4</b>												
04/24/89	35	11	<1.0	<1.0	<1.0	--	--	<1.0	<1.0	--	--	--
07/28/89	32	9.3	<0.1	<0.1	--	<0.1	<0.1	<0.1	<0.1	--	--	--
10/30/89	32	8.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--	--	--
01/09/90	36	9.8	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--	--	--
04/18/90	41	9.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	--
08/09/90	38	11	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	--
11/13/90	40	11	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/15/91	35	10	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/27/91	28	6.1	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/15/91	23	9.1	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/20/92	400	140	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/15/92	38	11	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
<b>ABANDONED</b>												

**Table 2**  
**Groundwater Analytical Results**  
 Former Chevron Service Station #9-0020  
 1633 Harrison Street  
 Oakland, California

WELL ID DATE	Carbon Tet (ppb)	Chloroform (ppb)	PCE (ppb)	TCE (ppb)	1,2-DCE (ppb)	1,1,2-DCE (ppb)	c-1,2-DCE (ppb)	1,1,1-TCA (ppb)	1,2-DCA (ppb)	1,2-DCEP (ppb)	1,1-DCE (ppb)	MC (ppb)
<b>MW-5</b>												
04/24/89	4.0	5.0	4.0	<1.0	2.0	--	--	<1.0	<1.0	--	--	--
07/28/89	5.6	4.0	5.3	0.3	--	<0.2	2.3	0.5	<0.2	--	--	--
10/30/89	2.9	2.0	2.7	<0.5	0.86	--	--	<0.5	<0.5	--	--	--
01/09/90	8.2	4.6	7.8	0.6	3.1	--	--	<0.5	<0.5	<0.5	<0.5	--
04/18/90	6.3	2.8	2.6	<0.5	1.7	--	--	<0.5	<0.5	<0.5	<0.5	--
08/09/90	11	4.8	6.0	<0.5	2.3	--	--	<0.5	<0.5	<0.5	<0.5	--
11/13/90	7.0	3.0	5.0	<0.5	--	<0.5	1	<0.5	<0.5	<0.5	<0.5	--
05/15/91	4.0	2.0	3.0	<0.5	--	<0.5	0.8	<0.5	<0.5	<0.5	<0.5	--
08/27/91	3.3	1.1	2.3	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/15/91	5.7	2.8	5.5	<0.5	--	<0.5	1.7	<0.5	<0.5	<0.5	<0.5	--
02/20/92	4.0	2.0	3.9	<0.5	--	<0.5	0.7	<0.5	<0.5	<0.5	<0.5	--
06/15/92	4.0	2.0	5.0	<0.5	--	<0.5	1.4	<0.5	<0.5	<0.5	<0.5	--
ABANDONED												
<b>MW-6</b>												
04/24/89	13	7.0	<1.0	<1.0	<1.0	--	--	<1.0	<1.0	--	--	--
07/28/89	9.6	4.0	<0.2	<0.2	--	<0.2	<0.2	0.5	0.6	--	--	--
10/30/89	8.2	3.6	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--	--	--
01/09/90	10	4.2	<0.5	<0.5	<0.5	--	--	<0.5	1.8	--	--	--
04/18/90	11	3.8	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	--
08/09/90	20	6.6	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	--
11/13/90	15	5.0	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/15/91	11	4.0	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/27/91	8.0	2.2	2.4	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/15/91	13	5.4	<0.5	<0.5	--	<0.5	<0.5	<0.5	0.8	<0.5	<0.5	--
02/20/92	11	4.0	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/15/92	9.6	4.2	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
ABANDONED												
<b>MW-7</b>												
04/24/89	3.0	9.0	<1.0	<1.0	<1.0	--	--	<1.0	<1.0	--	--	--
07/28/89	<2.0	<10	<2.0	<2.0	--	<2.0	<2.0	<10	6.0	--	--	--
07/28/89	<5.0	<20	<5.0	<5.0	--	<5.0	<0.5	<5.0	<5.0	--	--	--



**Table 2**  
**Groundwater Analytical Results**  
 Former Chevron Service Station #9-0020  
 1633 Harrison Street  
 Oakland, California

WELL ID/ DATE	Carbon Tet (ppb)	Chloroform (ppb)	PCP (ppb)	TCE (ppb)	1,2-DCE (ppb)	1,1,2-DCE (ppb)	c-1,2-DCE (ppb)	1,1,1-TCA (ppb)	1,2-DCA (ppb)	1,2-DGP (ppb)	1,1-DCE (ppb)	MC (ppb)
<b>MW-7 (cont)</b>												
10/30/89	<1.0	3.9	<1.0	<1.0	<1.0	--	--	<1.0	6.4	--	--	--
10/30/89	<1.0	3.1	<1.0	<1.0	<1.0	--	--	<1.0	6.2	--	--	--
01/09/90	<0.5	3.0	<0.5	<0.5	<0.5	--	--	<0.5	8.4	--	--	--
04/18/90	<0.5	3.2	<0.5	<0.5	<0.5	--	--	<0.5	7.7	0.6	0.6	--
08/09/90	3.3	7.7	<0.5	<0.5	<0.5	--	--	<0.5	8.4	<0.5	<0.5	--
11/13/90	0.6	3.0	<0.5	<0.5	--	<0.5	<0.5	<0.5	4.0	<0.5	<0.5	--
05/15/91	2.0	2.0	<0.5	<0.5	--	<0.5	<0.5	<0.5	3.0	<0.5	<0.5	--
08/27/91	0.7	2.8	<0.5	<0.5	--	--	<0.5	<0.5	2.7	<0.5	<0.5	--
11/15/91	0.8	2.7	<0.5	<0.5	--	<0.5	<0.5	<0.5	3.1	<0.5	<0.5	--
02/20/92	2.2	1.9	<0.5	<0.5	--	<0.5	<0.5	<0.5	3.3	<0.5	<0.5	--
06/15/92	1.1	1.8	<0.5	<0.5	--	<0.5	<0.5	<0.5	4.5	<0.5	<0.5	--
09/02/03	<1	<0.8	<0.8	<1	--	<0.8	<0.8	<0.8	<0.5	<1	<0.8	<2
03/29/04	<1	<0.8	<0.8	<1	--	<0.8	<0.8	<0.8	11	<1	<0.8	<2
09/03/04	<1	<0.8	<0.8	<1	--	<0.8	<0.8	<0.8	<0.5	<1	<0.8	<2
<b>MW-8</b>												
04/24/89	2.0	3.0	6.0	<1.0	4.0	--	--	<1.0	<1.0	--	--	--
04/24/89	2.0	2.0	6.0	<1.0	3.0	--	--	<1.0	<1.0	--	--	--
07/28/89	2.3	2.0	5.6	<0.2	--	<0.2	3.8	<0.2	<0.2	--	--	--
10/30/89	2.5	2.6	8.0	<0.5	5.5	--	--	<0.5	<0.5	--	--	--
01/09/90	4.9	3.9	19	0.9	6.6	--	--	<0.5	<0.5	--	--	--
04/18/90	3.8	2.8	17	0.6	5.7	--	--	<0.5	<0.5	<0.5	<0.5	--
08/09/90	5.3	4.4	27	1.2	9.2	--	--	<0.5	<0.5	<0.5	<0.5	--
11/13/90	3.0	2.0	21	0.7	--	<0.5	6.0	<0.5	<0.5	<0.5	<0.5	--
05/15/91	2.0	2.0	30	0.9	--	<0.5	6.0	<0.5	<0.5	<0.5	<0.5	--
08/27/91	1.4	1.1	32	1.0	--	--	4.7	<0.5	<0.5	<0.5	<0.5	--
11/15/91	1.5	1.9	50	<0.5	--	<0.5	5.8	<0.5	<0.5	2.0	2.0	--
02/20/92	1.3	2.3	68	2.4	--	<0.5	7.6	<0.5	<0.5	<0.5	<0.5	--
06/15/92	0.7	1.9	46	1.6	--	<0.5	5.6	<0.5	--	<0.5	<0.5	--
<b>ARABIANONITE</b>												

**Table 2**  
**Groundwater Analytical Results**  
**Former Chevron Service Station #9-0020**  
**1633 Harrison Street**  
**Oakland, California**

WELL ID/ DATE	Carbon Tet (ppb)	Chloroform (ppb)	PCE (ppb)	TCE (ppb)	1,1-DCE (ppb)	1,1,2-DCE (ppb)	1,2-DCE (ppb)	1,1,1-TCA (ppb)	1,2-DCA (ppb)	1,2-DCP (ppb)	1,1-DCE (ppb)	MC (ppb)
<b>MW-9</b>												
06/22/90	<0.5	<0.5	<0.5	<0.5	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	--
08/09/90	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	0.71	<0.5	<0.5	--
11/13/90	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	--
05/15/91	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/27/91	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	0.6	<0.5	<0.5	--
11/15/91	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/20/92	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/15/92	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2
09/02/93	<1	<0.8	<0.8	<1	--	<0.8	<0.8	<0.8	<0.5	<1	<0.8	<2
03/29/94	<1	<0.8	<0.8	<1	--	<0.8	<0.8	<0.8	<0.5	<1	<0.8	<2
09/03/94	<1	<0.8	<0.8	<1	--	<0.8	<0.8	<0.8	<0.5	<1	<0.8	<2
<b>MW-10</b>												
06/22/90	9.6	8.9	<0.5	<0.5	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	--
08/09/90	11	7.8	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	--
11/13/90	5.0	4.0	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/15/91	5.0	4.0	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
08/27/91	6.9	3.4	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--
11/15/91	2.7	3.3	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/20/92	3.3	3.4	3.0	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/15/92	4.5	2.9	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
<b>ABANDONED</b>												
<b>MW-11</b>												
06/22/90	4.6	6.5	73	1.3	--	<0.5	8.9	<0.5	<0.5	<0.5	<0.5	--
08/09/90	8.1	6.8	84	2.0	4.6	--	--	<0.5	<0.5	<0.5	<0.5	--
11/13/90	<0.5	<0.5	39	<0.5	--	<0.5	2.0	5	<0.5	<0.5	<0.5	--
05/15/91	1.0	3.0	7	0.5	--	<0.5	2.0	<0.5	<0.5	<0.5	<0.5	--
08/27/91	4.1	3.3	73	1.0	--	--	2.4	<0.5	<0.5	<0.5	<0.5	--

**Table 2**  
**Groundwater Analytical Results**  
 Former Chevron Service Station #9-0020  
 1633 Harrison Street  
 Oakland, California

WELL ID/ DATE	Carbon Tet (ppb)	Chloroform (ppb)	PCE (ppb)	TCE (ppb)	1,2-DCE (ppb)	1,1,2-DCE (ppb)	c-1,2-DCE (ppb)	1,1,1-TCA (ppb)	1,2-DCA (ppb)	1,2-DCP (ppb)	1,1-DCE (ppb)	MC (ppb)
MW-11 (cont)												
11/15/91	3.3	3.6	64	0.9	--	<0.5	2.3	<0.5	<0.5	<0.5	<0.5	--
02/20/92	<2.5	<2.5	62	<2.5	--	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	--
06/15/92	--	--	--	--	--	--	--	--	--	--	--	--
ABANDONED												
MW-12												
06/22/90	6.0	7.3	7.4	<0.5	--	<0.5	13	<0.5	<0.5	<0.5	<0.5	--
08/09/90	8.0	7.0	6.7	<0.5	5.8	--	--	<0.5	<0.5	<0.5	<0.5	--
11/13/90	<0.5	<0.5	9.0	<0.5	--	<0.5	3.0	3.0	<0.5	<0.5	<0.5	--
05/15/91	4.0	4.0	10	<0.5	--	<0.5	3.0	<0.5	<0.5	<0.5	<0.5	--
08/27/91	3.1	2.6	10	<0.5	--	--	2.3	<0.5	<0.5	<0.5	<0.5	--
11/15/91	1.9	3.5	8.9	<0.5	--	<0.5	5.9	<0.5	<0.5	<0.5	<0.5	--
02/20/92	3.3	3.4	3.7	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/15/92	2.2	3.7	13	<0.5	--	<0.5	4.5	<0.5	<0.5	<0.5	<0.5	--
ABANDONED												
MW-13												
11/15/91	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/20/92	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/15/92	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/02/03	<1	<0.8	<0.8	<1	--	<0.8	<0.8	<0.8	<0.5	<1	<0.8	<2
03/27/04	<1	<0.8	<0.8	<1	--	<0.8	<0.8	<0.8	<0.5	<1	<0.8	<2
09/03/04	<1	<0.8	<0.8	<1	--	<0.8	<0.8	<0.8	<0.5	<1	<0.8	<2
MW-14												
11/15/91	<0.5	5.5	33	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/20/92	<0.5	4.3	38	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/15/92	--	--	--	--	--	--	--	--	--	--	--	--
ABANDONED												

**Table 2**  
**Groundwater Analytical Results**  
**Former Chevron Service Station #9-0020**  
**1633 Harrison Street**  
**Oakland, California**

WELL ID/ DATE	Carbon Tet (ppb)	Chloroform (ppb)	PCE (ppb)	TCE (ppb)	1,2-DCE (ppb)	1,1,2-DCE (ppb)	1,1,2-DCE (ppb)	1,1,1-TCA (ppb)	1,2-DCA (ppb)	1,2-DCP (ppb)	1,1-DCE (ppb)	MC (ppb)
MW-15												
09/02/03	<1	<0.8	<0.8	<1	--	<0.8	<0.8	<0.8	<0.5	<1	<0.8	<2
03/29/04	<1	<0.8	<0.8	<1	--	<0.8	<0.8	<0.8	<0.5	<1	<0.8	<2
09/03/04	<1	<0.8	<0.8	<1	--	<0.8	<0.8	<0.8	<0.5	<1	<0.8	<2
MW-16												
09/03/04	<1	<0.8	<0.8	<1	--	<0.8	<0.8	<0.8	<0.5	<1	<0.8	<2
TRIP BLANK												
11/03/88	<1.0	<1.0	<1.0	<1.0	--	<1.0	--	<1.0	<1.0	--	--	--
02/10/89	<0.1	<0.5	<0.1	<0.1	--	<0.1	<0.1	<0.1	<0.1	--	--	--
04/24/89	<1.0	<1.0	<1.0	<1.0	<1.0	--	--	<1.0	<1.0	--	--	--
07/28/89	<0.1	<0.5	<0.1	<0.5	<0.1	--	<0.1	<0.1	<0.1	--	--	--
10/30/89	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--	--	--
01/09/90	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--	--	--
04/18/90	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	--
06/22/90	<0.5	<0.5	<0.5	<0.5	--	<0.5	--	<0.5	<0.5	<0.5	<0.5	--
08/09/90	<0.5	<0.5	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	<0.5	<0.5	--
11/13/90	<0.5	0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
05/15/91	--	--	--	--	--	--	--	--	--	--	--	--
08/27/91	--	--	--	--	--	--	--	--	--	--	--	--
11/15/91	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
02/20/92	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/15/92	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--

**Table 2**  
**Groundwater Analytical Results**  
**Former Chevron Service Station #9-0020**  
**1633 Harrison Street**  
**Oakland, California**

---

**EXPLANATIONS:**

Groundwater analytical results prior to September 2, 2003, were compiled from reports prepared by Blaine Tech Services, Inc.

Carbon Tet = Carbon Tetrachloride

PCE = Tetrachloroethene

TCE = Trichloroethene

1,2-DCE = 1,2-Dichloroethene

t-1,2-DCE = trans-1,2-Dichloroethene

c-1,2-DCE = cis-1,2-Dichloroethene

1,1,1-TCA = 1,1,1-Trichloroethane

1,2-DCA = 1,2-Dichloroethane

1,2-DCTP = 1,2-Dichloropropane

1,1-DCE = 1,1-Dichloroethene

MC = Methylene chloride

-- = Not Analyzed

<sup>1</sup> 1,1-DCE was detected at 1.3 pph, 1,1-DCA was detected at 0.5 and Chlorobenzene was detected at 0.7 pph.

<sup>2</sup> 2-butanone was detected at 160 pph and Acetone was detected at 5.0 pph.

<sup>3</sup> 1,1-DCA was detected at 0.6 pph.

NOTE: All other HVOCs by EPA Method 8260 were not detected unless noted above.

**Table 3**  
**Groundwater Analytical Results - Oxygenate Compounds**  
**Former Chevron Service Station #9-0020**  
**1633 Harrison Street**  
**Oakland, California**

WELL ID	DATE	ETHANOL (ppb)	TBA (ppb)	MTBE (ppb)	DIEP (ppb)	ETBE (ppb)	TAME (ppb)	EDB (ppb)
MW-7	09/02/03	<50	<5	<0.5	<0.5	<0.5	<0.8	<1
	03/29/04	<50	9	1	<0.5	<0.5	<0.5	2
	09/03/04	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-9	09/02/03	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5
	03/29/04	<50	<5	0.8	<0.5	<0.5	<0.5	<0.5
	09/03/04	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-13	09/02/03	<50	<5	<0.5	<0.5	<0.5	<0.5	<5
	03/29/04	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/03/04	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-15	09/02/03	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5
	03/29/04	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5
	09/03/04	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-16	09/03/04	<50	<5	<0.5	<0.5	<0.5	<0.5	<0.5

**EXPLANATIONS:**

TBA = Tertiary butyl alcohol  
 MTBE = Methyl tertiary butyl ether  
 DIEP = Di-isopropyl ether  
 ETBE = Ethyl tertiary butyl ether  
 TAME = Tertiary amyl methyl ether  
 EDB = 1,2-Dibromoethane  
 (ppb) = Parts per billion

**ANALYTICAL METHODS:**

EPA Method 8260 for Oxygenate Compounds

## 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 #9-0020 Job Number: 386499  
 Site Address: 1633 Harrison Street Event Date: 9.3.04 (inclusive)  
 City: Oakland, CA Sampler: FT

Well ID: MW-7 Date Monitored: 9.3.04 Well Condition: SEE PHOTO  
 Well Diameter: 2 1/4 in.  
 Total Depth: 26.58 ft.  
 Depth to Water: 19.49 ft.  
7.09 xVF .66 = 4.67 <sup>10</sup> x case volume = Estimated Purge Volume: 46.79 gal.

Volume (gallon SF)	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
	4" = 0.66	6" = 1.02	8" = 1.50	12" = 2.90

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 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): 0808 Weather Conditions: \_\_\_\_\_  
 Sample Time/Date: 0831 / 9.3.04 Water Color: \_\_\_\_\_ Odor: \_\_\_\_\_  
 Purging Flow Rate: 2.5 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? Yes If yes, Time: 0813 Volume: 2.5 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>0809</u>	<u>4.725</u>	<u>7.25</u>	<u>595</u>	<u>19.6</u>		
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-7</u>	<u>6</u> x vae vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260)/ 6 OXYS(8260)</u>
	<u>3</u> x vae vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>HVOC'S(8010 LIST)8260</u>

COMMENTS: WELL DE-WATERED WHILE ATTEMPTING TO DEVELOP EXTRACTION WELL

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





# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0020 Job Number: 386499  
 Site Address: 1633 Harrison Street Event Date: 9.3.04 (inclusive)  
 City: Oakland, CA Sampler: FT

Well ID: MW-9 Date Monitored: 9.3.04 Well Condition: OK  
 Well Diameter: (2) 4 in.  
 Total Depth: 24.16 ft.  
 Depth to Water: 19.77 ft.  
4.39 xVF .17 = .74 x3 case volume = Estimated Purge Volume: 2.23 gal.

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.36
	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 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): 1016 Weather Conditions: SYNNY  
 Sample Time/Date: 101 / 9.3.04 Water Color: CLEAR Odor: Yes  
 Purging Flow Rate: .75 gpm. Sediment Description: \_\_\_\_\_  
 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>1017</u>	<u>.75</u>	<u>7.21</u>	<u>77.7</u>	<u>21.9</u>		
<u>1018</u>	<u>1.5</u>	<u>7.20</u>	<u>70.2</u>	<u>21.2</u>		
<u>1020</u>	<u>2.0</u>	<u>7.19</u>	<u>68.7</u>	<u>20.9</u>		

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-9</u>	<u>6</u> x vob vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTX+MTBE(8260)/ B OXYS(8260)</u>
	<u>3</u> x vob vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>HVOC'S(8010 LIST)8260</u>

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

Add/Replaced Lock: ✓ Add/Replaced Plug: ✓ Size: 2"



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0020  
 Site Address: 1633 Harrison Street  
 City: Oakland, CA

Job Number: 386499  
 Event Date: 9.3.04 (inclusive)  
 Sampler: FT

Well ID: MW-13 Date Monitored: 9.3.04 Well Condition: OK  
 Well Diameter: (2) 4 in.  
 Total Depth: 26.66 ft.  
 Depth to Water: 20.14 ft.  
6.52 xVF .17 = 1.10 x3 case volume = Estimated Purge Volume: 3.32 gal.

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.60

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 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): 0910 Weather Conditions: SUNNY  
 Sample Time/Date: 0933 / 9.3.04 Water Color: CLEAR Odor: NO  
 Purging Flow Rate: 1.0 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? Yes If yes, Time: 0914 Volume: 1.5 gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (umhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>0911</u>	<u>1.0</u>	<u>7.36</u>	<u>76.2</u>	<u>22.1</u>		
	<u>2.0</u>					
	<u>3.0</u>					

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-13</u>	<u>6</u> x vce vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260) 8 OXYS(8260)</u>
	<u>3</u> x vce vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>HVOC'S(8010 LIST)8260</u>

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

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



# GETTLER-RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0020 Job Number: 386499  
 Site Address: 1633 Harrison Street Event Date: 9.3.04 (inclusive)  
 City: Oakland, CA Sampler: FT

Well ID: MW-15 Date Monitored: 9.3.04 Well Condition: OK  
 Well Diameter: (2) 4 in.  
 Total Depth: 26.44 ft.  
 Depth to Water: 19.73 ft.  
6.71 xVF .17 = 1.14 x3 case volume = Estimated Purge Volume: 3.42 gal.

Volume	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.36
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 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): 0925 Weather Conditions: SUNNY  
 Sample Time/Date: 0952 / 9.3.04 Water Color: B.W. Odor: ND  
 Purging Flow Rate: 1.0 gpm. Sediment Description: SILTY  
 Did well de-water? No If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>0926</u>	<u>1.0</u>	<u>7.38</u>	<u>69.4</u>	<u>21.1</u>	_____	_____
<u>0927</u>	<u>2.0</u>	<u>7.35</u>	<u>67.6</u>	<u>20.5</u>	_____	_____
<u>0930</u>	<u>3.0</u>	<u>7.32</u>	<u>65.4</u>	<u>19.8</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-15</u>	<u>6</u> x vob vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/BTEX+MTBE(8260) B OXYS(8260)</u>
	<u>3</u> x vob vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>HVOC'S(8010 LIST)8260</u>

COMMENTS: SLOW RECOVERY

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



# GETTLER - RYAN INC.

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/Facility #: ChevronTexaco #9-0020 Job Number: 386499  
 Site Address: 1633 Harrison Street Event Date: 9.3.04 (inclusive)  
 City: Oakland, CA Sampler: FT

Well ID: MW-16 Date Monitored: 9.3.04 Well Condition: OK  
 Well Diameter: 2 1/4 in.  
 Total Depth: 25.60 ft.  
 Depth to Water: 20.20 ft.  
5.40 xVF .17 = .91 x3 case volume = Estimated Purge Volume: 2.75 gal.

Volume Factor (VF)	3/4" = 0.02	1" = 0.04	2" = 0.17	3" = 0.38
	4" = 0.66	5" = 1.02	6" = 1.50	12" = 5.60

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 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): 1039 Weather Conditions: SLIMY  
 Sample Time/Date: 1112 / 9.3.04 Water Color: MILKY / V.L.F. / Smoky Odor: YES  
 Purging Flow Rate: 1.0 gpm. Sediment Description: \_\_\_\_\_  
 Did well de-water? No If yes, Time: \_\_\_\_\_ Volume: \_\_\_\_\_ gal.

Time (2400 hr.)	Volume (gal.)	pH	Conductivity (µmhos/cm)	Temperature (°F)	D.O. (mg/L)	ORP (mV)
<u>1040</u>	<u>1.0</u>	<u>7.12</u>	<u>81.8</u>	<u>20.3</u>	_____	_____
<u>1041</u>	<u>2.0</u>	<u>7.10</u>	<u>78.9</u>	<u>19.8</u>	_____	_____
<u>1045</u>	<u>3.0</u>	<u>7.09</u>	<u>69.5</u>	<u>20.0</u>	_____	_____
_____	_____	_____	_____	_____	_____	_____

### LABORATORY INFORMATION

SAMPLE ID	(#) CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-16</u>	<u>6</u> x vge vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>TPH-G(8015)/ETEX+MTBE(8260)/ 6 OXYS(8260)</u>
	<u>3</u> x vge vial	<u>YES</u>	<u>HCL</u>	<u>LANCASTER</u>	<u>HVOC'S(8010 LIST)8260</u>

COMMENTS: SLOW RECOVERY

Add/Replaced Lock: ✓ Add/Replaced Plug: ✓ Size: 2"

# Chevron California Region Analysis Request/Chain of Custody



090204-11

Acc#: 10904    Sample #: 4347182-87    SCR#: \_\_\_\_\_  
 For Lancaster Laboratories use only    C.P. # 911074

Facility #: SS#9-0020 G-R#386499 Global ID#T0600100304  
 Site Address: 1633 HARRISON STREET, OAKLAND, CA  
 Chevron P#S: \_\_\_\_\_ Lead Consultant: RAMBRIA  
 Consultant/Office: G-R, Inc., 6747 Sierra Court, Suite J, Dublin, Ca. 94568  
 Consultant Prj. Mgr.: Deanna L. Harding (leanna@grinc.com)  
 Consultant Phone: 925-551-7555 Fax: 925-551-7899  
 Sampler: FRAUK TERRANOVI  
 Service Order #: \_\_\_\_\_  Non SAR: \_\_\_\_\_

### Analyses Requested

Matrix		Preservation Codes																		
Soil	Water	Oil	Air	Total Number of Containers																
				BTEX + MTBE 8260	TPH 8013 MOD	TPH 8013 MOD DRO	8260 full scan	Oxygenates (8260)	Lead 7420	HYOC's (8013 L15) 8260										
<input type="checkbox"/> Potable <input type="checkbox"/> NPDES																				
				2	XX															
				9	XX					X										
				9	XX					X										
				9	XX					X										
				9	XX					X										
				9	XX					X										

**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	BTEX + MTBE 8260	TPH 8013 MOD	TPH 8013 MOD DRO	8260 full scan	Oxygenates (8260)	Lead 7420	HYOC's (8013 L15) 8260	Comments / Remarks
QA	9-3-04								2	XX							
MW-7		0831	X						9	XX				X		X	
MW-11		1101	X						9	XX				X		X	
MW-3		0939	X						9	XX				X		X	
MW-15		0952	X						9	XX				X		X	
MW-12		1112	X						9	XX				X		X	

**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)     Coeff Deliverable not needed  
 WIP (RWQCB)  
 Disk

Relinquished by: <u>F. Terranovi</u>	Date: <u>9-3-04</u>	Time: _____	Received by: _____	Date: _____	Time: _____
Relinquished by: <u>D. V. ...</u>	Date: <u>9/7/04</u>	Time: _____	Received by: <u>Bernadette ...</u>	Date: <u>9/7/04</u>	Time: <u>1345</u>
Relinquished by: <u>Bernadette ...</u>	Date: <u>9/7/04</u>	Time: <u>1500</u>	Received by: <u>D. B. L.</u>	Date: <u>9/7/04</u>	Time: _____
Relinquished by Commercial Carrier: _____	Date: _____	Time: _____	Received by: _____	Date: _____	Time: _____
UPS    FedEx    Other: <u>S-J.B.C.</u>			Received by: <u>Sharon ...</u>	Date: <u>9/8/04</u>	Time: <u>1100</u>
Temperature Upon Receipt: <u>5-5.8°C</u>			Custody Seals Intact?	<input checked="" type="radio"/> Yes	<input type="radio"/> No

## ANALYTICAL RESULTS

Prepared for:

Chavez-Torres  
6001 Bollinger Canyon Rd 14910  
San Ramon CA 94583

925-842-8582

Prepared by:

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

## SAMPLE GROUP

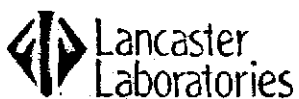
The sample group for this submittal is 911074. Samples arrived at the laboratory on Wednesday, September 08, 2004. The PO# for this group is 99011184 and the release number is STREICH.

<u>Client Description</u>			<u>Lancaster Labs Number</u>
QA-T-040903	NA	Water	4347182
MW-7-W-040903	Grab	Water	4347183
MW-9-W-040903	Grab	Water	4347184
MW-13-W-040903	Grab	Water	4347185
MW-15-W-040903	Grab	Water	4347186
MW-16-W-040903	Grab	Water	4347187

1 COPY TO  
ELECTRONIC  
COPY TO

Cambria C/O Gettler- Ryan  
Gettler-Ryan

Attn: Deanna L. Harding  
Attn: Cheryl Hansen



## Analysis Report

2425 New Holland Fwy., PO Box 12425, Lancaster, PA 17603-2425 • (717) 656-2300 Fax: 717-656-2661 • [www.lancasterlabs.com](http://www.lancasterlabs.com)

Questions? Contact your Client Services Representative  
Megan A Moeller at (717) 656-2300.

Respectfully Submitted,

A handwritten signature in black ink that reads 'Steven A. Skiles'.

Steven Skiles  
Senior Chemist

Lancaster Laboratories Sample No. WW 4347182

 QA-T-040903 NA Water  
 Facility# 90020 Job# 386499 GRD  
 1633 Harrison St Oakland T0600100304 QA  
 Collected: 09/03/2004

Account Number: 10904

 Submitted: 09/08/2004 11:00  
 Reported: 09/22/2004 at 12:38  
 Discard: 10/23/2004

 ChevronTexaco  
 6001 Hollinger Canyon Rd 14310  
 San Ramon, CA 94583

**OAKQA**

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters The reported concentration of TPH-GRO does not include MTEE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. The percent recovery of the surrogate standard was outside QC limits in the MS associated with this sample. The surrogate standard met recovery criteria in the LCE/LCED analysis.	n.a.	N.D.	50.	ug/l	1
06054	ETEX-MTEE by E260E					
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
05418	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	Trials	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Waters	N. CA LUFT Gasline	1	05/11/2004 01:25	Victoria M Martell	1
06054	ETEX-MTEE by E260E	SW-E46 E260E	1	05/16/2004 19:05	Anita M Dale	1
01146	GC VOA Water Prep	SW-E46 5030E	1	05/11/2004 01:25	Victoria M Martell	n.a.
01163	GC/MS VOA Water Prep	SW-E46 5030E	1	05/16/2004 19:05	Anita M Dale	n.a.



Lancaster Laboratories Sample No. WW 4347183

MW-7-W-040903 Grab Water  
 Facility# 90020 Job# 386499 GRD  
 1633 Harrison St Oakland T0600100304 MW-7  
 Collected: 09/03/2004 08:31 by FT

Account Number: 10904

Submitted: 09/08/2004 11:00  
 Reported: 09/22/2004 at 12:58  
 Discard: 10/23/2004

ChevronTexaco  
 6000 Hollingsworth Canyon Rd 14310  
 San Ramon CA 94583

W7CAM

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.a.	110.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTEE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
05382	EPA SW846/8260 (water)					
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	2.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-67-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	1.	0.5	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.8	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	EPA SW846/8260 (water) cont					
05418	Ethylbenzene	100-41-4	0.8	0.8	ug/l	1
05416	m-p-Xylene	1330-20-7	0.8	0.8	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.8	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,1,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
05422	1,3-Dichlorobenzene	541-78-1	N.D.	1.	ug/l	1
05423	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
05424	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1

Lancaster Laboratories Sample No. **WW 4347183**

MW-7-W-040903 Grab # Water  
 Facility# 90020 Job# 386499 GRD  
 1633 Harrison St Oakland T0600100304 MW-7  
 Collected: 09/03/2004 08:31 by FT

Account Number: 10904

Submitted: 09/08/2004 11:00  
 Reported: 09/22/2004 at 12:38  
 Discard: 10/22/2004

ChevronTexaco  
 6001 Rollinger Canyon Rd 14310  
 San Ramon CA 94583

**W7CAM**

CAT No.	Analysis Name	CAF Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
0E202	EPA SW 846/8260 - Water					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	Di-isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	627-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
0E203	Freon 113	76-13-1	N.D.	2.	ug/l	1

State of California Lab Certification No. 2336

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01728	TFH-GRO - Waters	N. CA LUFT Gasline	1	09/10/2004 19:49	K. Robert Caulfield-James	1
05382	EPA SW846/8260 (water)	SW-846 8260E	1	09/16/2004 21:53	David A Hoppman	1
05383	EPA SW846/8260 (water) cont	SW-846 8260E	1	09/16/2004 21:53	David A Hoppman	1
0E202	EPA SW 846/8260 - Water	SW-846 8260E	1	09/16/2004 21:53	David A Hoppman	1
01146	GC VOA Water Prep	SW-846 8030E	1	09/10/2004 19:49	K. Robert Caulfield-James	n.a.
01163	GC/MS VOA Water Prep	SW-846 8030E	1	09/16/2004 21:53	David A Hoppman	n.a.

Lancaster Laboratories Sample No. WW 4347164

MW-9-W-040903 Grab Water  
 Facility# 90020 Job# 386499 GRD  
 1633 Harrison St Oakland TO600100304 MW-9  
 Collected: 09/03/2004 11:01 by FT

Account Number: 10904

Submitted: 09/08/2004 11:00  
 Reported: 09/22/2004 at 12:33  
 Discard: 10/23/2004

ChevronTexaco  
 6000 Bellinger Canyon Rd 14210  
 San Ramon CA 94583

W90AK

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.e.	350.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTEE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
05382	EPA SW846/8260 (water)					
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05403	Trichloroethene	75-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	106-66-3	N.D.	0.5	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05410	1,2-Dibromoethane	106-93-6	N.D.	0.5	ug/l	1
05413	Chlorobenzene	106-90-7	N.D.	0.8	ug/l	1
05385	EPA SW846/8260 (water) cont.					
05415	Ethylbenzene	100-41-4	1.	0.5	ug/l	1
05416	m-p-Xylene	1320-20-7	0.5	0.5	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.5	ug/l	1
05418	Bromocform	75-25-2	N.D.	1.	ug/l	1
05419	1,1,1,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
05420	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
05421	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
05422	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1

Lancaster Laboratories Sample No. WW 4347184

 MW-9-W-040903 Grab" Water  
 Facility# 90020 Job# 386499 GRD  
 1633 Harrison St Oakland TO600100304 MW-9  
 Collected: 09/03/2004 11:01 by FT

Account Number: 10904

 Submitted: 09/08/2004 11:00  
 Reported: 09/22/2004 at 12:39  
 Discard: 10/23/2004

 ChevronTexaco  
 6003 Bollinger Canyon Rd L4310  
 San Ramon CA 94583

W90AK

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08202	EPA SW 846/E260 - Water					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	627-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	954-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
08203	Freon 113	76-13-1	N.D.	2.	ug/l	1

Matrix QC was performed on this sample for the GCMS volatile analysis.  
 Please see the attached QC summary report for compounds showing a matrix bias.

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trials#	Analysis Date and Time	Analyst	Dilution Factor
01728	TPH-GRO - Water	N. CA LUFT Gasline	1	09/30/2004 20:20	K. Robert Caulfield-James	1
05362	EPA SW846/E260 (water)	SW-846 E260E	1	09/16/2004 22:19	David A Hoppman	1
05363	EPA SW846/E260 (water) cont	SW-846 E260E	1	09/16/2004 22:19	David A Hoppman	1
08202	EPA SW 846/E260 - Water	SW-846 E260E	1	09/16/2004 22:19	David A Hoppman	1
01146	GC VOA Water Prep	SW-846 E030E	1	09/30/2004 20:20	K. Robert Caulfield-James	n.e.
01165	GC/MS VOA Water Prep	SW-846 E030E	1	09/16/2004 22:19	David A Hoppman	n.e.

Lancaster Laboratories Sample No. WW 4347185

MW-13-W-040903 Grab Water  
 Facility# 90020 Job# 386499 GRD  
 1633 Harrison St Oakland T0600100304 MW-13  
 Collected: 09/03/2004 09:38 by FT

Account Number: 10904

Submitted: 09/08/2004 11:00  
 Report: 09/22/2004 at 12:35  
 Discard: 10/23/2004

ChevronTexaco  
 6001 Bollinger Canyon Rd 14320  
 San Ramon CA 94583

130AK

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
0172E	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTEE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
0538E	EPA SW646/E260 (water)					
0538E	Chloromethane	74-87-3	N.D.	1.	ug/l	1
0538E	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
0538E	Bromomethane	74-83-9	N.D.	1.	ug/l	1
0538E	Chloroethane	75-00-3	N.D.	1.	ug/l	1
0538E	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05396	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05403	Trichloroethene	79-03-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05408	1,1,2-Trichloroethane	75-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-46-1	N.D.	1.	ug/l	1
05412	1,2-Dibromoethane	106-52-4	N.D.	0.5	ug/l	1
05413	Chlorobenzene	106-90-7	N.D.	0.8	ug/l	1
0538E	EPA SW646/E260 (water) cont					
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
05416	m-p-Xylene	106-42-3	N.D.	0.5	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.5	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,1,2-Tetrachloroethane	75-34-8	N.D.	1.	ug/l	1
05422	1,3-Dichlorobenzene	541-75-1	N.D.	1.	ug/l	1
05423	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
05424	1,2-Dichlorobenzene	95-50-2	N.D.	1.	ug/l	1

Lancaster Laboratories Sample No. WW 4347185

MW-13-W-040903 Grab Water  
 Facility# 90020 Job# 386499 GRD  
 1633 Harrison St Oakland TO600100304 MW-13  
 Collected: 09/03/2004 09:38 by FT

Account Number: 10904

Submitted: 09/08/2004 11:00  
 Reported: 09/22/2004 at 12:39  
 Discard: 10/13/2004

ChevronTexaco  
 4003 Hollinger Canyon Rd 14310  
 San Ramon CA 94583

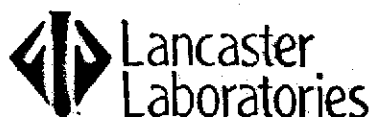
13OAK

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06202	EPA SW 846/E260 - Water					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06203	Freon 113	76-13-1	N.D.	2.	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	TFH-GRO - Waters	N. CA LUFT Gasoline	1	09/10/2004 20:50		K. Robert Caulfield-James	1
05382	EPA SW846/E260 (water)	SW-846 E260E	1	09/16/2004 23:27		David A Hoppman	1
05383	EPA SW846/E260 (water) cont	SW-846 E260E	1	09/16/2004 23:27		David A Hoppman	1
08202	EPA SW 846/E260 - Water	SW-846 E260E	1	09/16/2004 23:27		David A Hoppman	1
01146	GC VOA Water Prep	SW-846 5030E	1	09/10/2004 20:50		K. Robert Caulfield-James	n.e.
03163	GC/MS VOA Water Prep	SW-846 5030E	1	09/16/2004 23:27		David A Hoppman	n.e.



# Analysis Report

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2661 • www.lancasterlabs.com

Page 1 of 2

Lancaster Laboratories Sample No. WW 4347186

MW-15-W-040903 Grab Water  
 Facility# 90020 Job# 386499 GRD  
 1633 Harrison St Oakland T0600100304 MW-15  
 Collected: 09/03/2004 09:52 by FT

Account Number: 10904

Submitted: 09/08/2004 11:00  
 Reported: 09/22/2004 at 12:36  
 Discard: 10/23/2004

ChevronTexaco  
 6001 Bollinger Canyon Rd 14950  
 San Ramon CA 94583

15OAK

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
0172E	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
The reported concentration of TPH-GRO does not include MTEE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
05382	EPA SW646/8260 (water)					
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l	1
05390	1,1-Dichloroethane	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethane	156-60-5	N.D.	0.8	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethane	156-55-2	N.D.	0.8	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-67-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.5	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05412	1,2-Dibromoethane	106-93-4	N.D.	0.5	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05383	EPA SW646/8260 (water) cont					
05415	Ethylbenzene	100-41-4	N.D.	0.5	ug/l	1
05416	m-p-Xylene	106-42-3	N.D.	0.5	ug/l	1
05417	o-Xylene	95-47-6	N.D.	0.5	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,1,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
05422	1,3-Dichlorobenzene	949-73-1	N.D.	1.	ug/l	1
05423	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
05424	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1

Lancaster Laboratories Sample No. WW 4347386

MW-15-W-040903 Grab Water  
 Facility# 90020 Job# 386499 GRD  
 1633 Harrison St Oakland T0600100304 MW-15  
 Collected: 09/03/2004 09:52 by FT

Account Number: 10904

Submitted: 09/08/2004 11:00  
 Reported: 09/22/2004 at 12:39  
 Discard: 10/23/2004

ChevronTexaco  
 6001 Hollinger Canyon Rd 14310  
 San Ramon CA 94583

150AK

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
0E202	EPA SW 846/E260 - Water					
01567	Ethanol	64-17-5	N.D.	50.	ug/l	1
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02011	di-Isopropyl ether	106-20-3	N.D.	0.5	ug/l	1
02013	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	1
0E306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
0E307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
0E203	Freon 113	76-13-1	N.D.	2.	ug/l	1

State of California Lab Certification No. 2116

### Laboratory Chronicle

CAT No.	Analysis Name	Method	Trials#	Analysis Date and Time	Analyst	Dilution Factor
0172E	TPH-GRO - Waters	N. CA LUFT Gasoline	1	09/10/2004 21:21	K. Robert Caulfield-James	1
0536E	EPA SW846/E260 (water)	SW-846 E260E	1	09/17/2004 00:03	David A Hoppman	1
0536E	EPA SW846/E260 (water) cont	SW-846 E260E	1	09/17/2004 00:03	David A Hoppman	1
0E202	EPA SW 846/E260 - Water	SW-846 E260E	1	09/17/2004 00:03	David A Hoppman	1
0114E	GC VOA Water Prep	SW-846 5030E	1	09/10/2004 21:21	K. Robert Caulfield-James	n.e.
0114E	GC/MS VOA Water Prep	SW-846 5030E	1	09/17/2004 00:03	David A Hoppman	n.e.



Lancaster Laboratories Sample No. **KW 4347187**

MW-16-W-040903      Grab      Water  
 Facility# 90020      Job# 386499      GRD  
 1633 Harrison St Oakland T0600100304 MW-16  
 Collected: 09/03/2004 11:12      by FT

Account Number: 10904

Submitted: 09/08/2004 11:00  
 Reported: 09/22/2004 at 12:39  
 Discard: 10/23/2004

ChevronTexaco  
 6000 Hollinger Canyon Rd 14510  
 San Ramon CA 94583

**16CAK**

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01728	TPH-GRO - Waters	n.e.	7,400.	250.	ug/l	5
The reported concentration of TPH-GRO does not include MTEE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.						
05362	EPA 8260/8260 (water)					
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.5	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.5	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.5	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.5	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.5	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	140.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	0.5	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-67-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	106-98-2	89.	0.5	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.5	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.5	ug/l	1
05411	Dibromochloromethane	124-68-1	N.D.	1.	ug/l	1
05412	1,2-Dibromoethane	106-59-4	N.D.	0.5	ug/l	1
05413	Chlorobenzene	106-90-7	N.D.	0.5	ug/l	1
05362	EPA 8260/8260 (water) cont					
05415	Ethylbenzene	100-41-4	55.	0.5	ug/l	1
05416	m-p-Xylene	1326-20-7	150.	0.5	ug/l	1
05417	o-Xylene	95-47-6	9.	0.5	ug/l	1
05419	Bromochloroform	75-25-1	N.D.	1.	ug/l	1
05421	1,1,1,2-Tetrachloroethane	75-34-8	N.D.	1.	ug/l	1
05422	1,3-Dichlorobenzene	542-73-1	N.D.	1.	ug/l	1
05423	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
05425	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1

Lancaster Laboratories Sample No. **WW 4347187**

MW-16-W-040903                      Grab                      Water  
 Facility# 90020    Job# 386499                                      GRD  
 1633 Harrison St Oakland TO600100304    MW-16  
 Collected: 09/03/2004 11:12                      by FT

Account Number: 10904

Submitted: 09/08/2004 11:00  
 Reported: 09/22/2004 at 12:39  
 Discard: 10/23/2004

ChevronTexaco  
 6001 Rollinger Canyon Rd 14310  
 San Ramon, CA 94583

**16CAK**

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
08202	EPA SW 846/E260 - Water					
01587	Ethanol	64-17-5	N.D.	50.	ug/l	1
02030	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
02031	di-Isopropyl ether	108-20-3	N.D.	0.5	ug/l	1
02033	Ethyl t-butyl ether	637-92-3	N.D.	0.5	ug/l	1
02014	t-Amyl methyl ether	994-05-8	N.D.	0.5	ug/l	1
02015	t-Butyl alcohol	75-65-0	N.D.	5.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06203	Freon 113	76-13-1	N.D.	2.	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 - Water	N. CA LUFT Gasline Method	1	09/10/2004 22:52	K. Robert Caulfield-James	1
05382	EPA SW846/E260 (water)	SW-846 E260E	1	09/17/2004 17:30	Kenneth L Boley Jr	1
05383	EPA SW846/E260 (water) cont	SW-846 E260E	1	09/17/2004 17:30	Kenneth L Boley Jr	1
08202	EPA SW 846/E260 - Water	SW-846 E260E	1	09/17/2004 17:30	Kenneth L Boley Jr	1
03346	GC VOA Water Prep	SW-846 5030E	1	09/10/2004 22:52	K. Robert Caulfield-James	n.e.
03363	GC/MS VOA Water Prep	SW-846 5030E	1	09/17/2004 17:30	Kenneth L Boley Jr	n.e.

## Quality Control Summary

 Client Name: ChevronTexaco  
 Reported: 09/22/04 at 12:39 PM

Group Number: 911074

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

Analyte Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 04254A07C TPH-GRO - Waters	Sample number(s): 4347182 N.D.	50.	ug/l	99	96	70-130	3	30
Batch number: 04254A16A TPH-GRO - Waters	Sample number(s): 4347183-4347187 N.D.	50.	ug/l	108	110	70-130	2	30
Batch number: N042601AA	Sample number(s): 4347183-4347186							
Ethanol	N.D.	50.	ug/l	66		46-145		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	109		77-127		
di-Isopropyl ether	N.D.	0.5	ug/l	123		67-130		
Ethyl t-butyl ether	N.D.	0.5	ug/l	101		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	96		75-115		
t-Butyl alcohol	N.D.	5.	ug/l	104		57-141		
Chloromethane	N.D.	1.	ug/l	113		66-143		
Vinyl Chloride	N.D.	1.	ug/l	106		71-134		
Bromomethane	N.D.	1.	ug/l	97		55-131		
Chloroethane	N.D.	1.	ug/l	109		55-133		
Trichlorofluoromethane	N.D.	2.	ug/l	116		67-140		
1,1-Dichloroethane	N.D.	0.6	ug/l	103		79-130		
Methylene Chloride	N.D.	2.	ug/l	95		60-126		
trans-1,2-Dichloroethane	N.D.	0.6	ug/l	95		61-124		
1,1-Dichloroethane	N.D.	1.	ug/l	106		63-127		
cis-1,2-Dichloroethane	N.D.	0.6	ug/l	95		64-117		
Chloroform	N.D.	0.6	ug/l	104		66-124		
1,1,1-Trichloroethane	N.D.	0.6	ug/l	107		63-127		
Carbon Tetrachloride	N.D.	1.	ug/l	107		77-130		
Benzene	N.D.	0.5	ug/l	104		65-117		
1,2-Dichloroethane	N.D.	0.5	ug/l	114		77-132		
Trichloroethane	N.D.	1.	ug/l	103		67-117		
1,2-Dichloropropane	N.D.	1.	ug/l	107		60-117		
Dibromomethane	N.D.	1.	ug/l	106		67-117		
Bromodichloromethane	N.D.	1.	ug/l	106		63-121		
Toluene	N.D.	0.5	ug/l	103		65-115		
1,1,2-Trichloroethane	N.D.	0.6	ug/l	107		66-113		
Tetrachloroethane	N.D.	0.6	ug/l	106		62-126		
Dibromochloromethane	N.D.	1.	ug/l	104		78-119		
1,2-Dibromoethane	N.D.	0.5	ug/l	104		61-114		
Chlorobenzene	N.D.	0.6	ug/l	103		65-115		
Ethylbenzene	N.D.	0.5	ug/l	100		63-119		
m-p-Xylene	N.D.	0.5	ug/l	101		64-120		
o-Xylene	N.D.	0.5	ug/l	96		62-113		
Bromoform	N.D.	1.	ug/l	97		65-118		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	102		72-119		
1,3-Dichlorobenzene	N.D.	1.	ug/l	102		61-114		

\* - 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: 09/22/04 at 12:39 PM

Group Number: 911074

### Laboratory Compliance Quality Control

Analyte Name	Blank Result	Blank MDL	Report Units	LCS ATCC	LCSD SEEC	LCS/LCSD Range	RPD	RPD Max
1,4-Dichlorobenzene	N.D.	1.	ug/l	103		64-116		
1,2-Dichlorobenzene	N.D.	1.	ug/l	103		61-112		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	104		75-114		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	100		76-114		
Freon 113	N.D.	2.	ug/l	95		73-140		
Batch number: N042601AE Sample number(s): 4347187								
Ethanol	N.D.	50.	ug/l	66		46-145		
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	109		77-127		
di-Isopropyl ether	N.D.	0.5	ug/l	113		67-130		
Ethyl t-butyl ether	N.D.	0.5	ug/l	101		74-120		
t-Amyl methyl ether	N.D.	0.5	ug/l	98		79-113		
t-Butyl alcohol	N.D.	5.	ug/l	104		57-141		
Chloroethane	N.D.	1.	ug/l	113		66-143		
Vinyl Chloride	N.D.	1.	ug/l	108		71-134		
Bromomethane	N.D.	1.	ug/l	97		55-131		
Chloroethane	N.D.	1.	ug/l	109		55-133		
Trichlorofluoromethane	N.D.	2.	ug/l	118		67-140		
1,1-Dichloroethene	N.D.	0.8	ug/l	103		79-130		
Methylene Chloride	N.D.	2.	ug/l	95		80-126		
trans-1,2-Dichloroethene	N.D.	0.6	ug/l	95		61-124		
1,1-Dichloroethane	N.D.	1.	ug/l	106		63-127		
cis-1,2-Dichloroethene	N.D.	0.8	ug/l	95		64-117		
Chloroform	N.D.	0.8	ug/l	104		66-124		
1,1,1-Trichloroethane	N.D.	0.8	ug/l	107		65-127		
Carbon Tetrachloride	N.D.	1.	ug/l	107		77-130		
Benzene	N.D.	0.5	ug/l	104		65-117		
1,2-Dichloroethane	N.D.	0.5	ug/l	114		77-132		
Trichloroethene	N.D.	1.	ug/l	103		67-117		
1,2-Dichloropropane	N.D.	1.	ug/l	107		60-117		
Bromodichloromethane	N.D.	1.	ug/l	106		63-121		
Toluene	N.D.	0.5	ug/l	103		65-115		
1,1,2-Trichloroethane	N.D.	0.8	ug/l	107		66-115		
Tetrachloroethene	N.D.	0.8	ug/l	106		62-126		
Dibromochloromethane	N.D.	1.	ug/l	104		76-119		
1,2-Dibromoethane	N.D.	0.5	ug/l	104		61-114		
Chlorobenzene	N.D.	0.8	ug/l	103		65-115		
Ethylbenzene	N.D.	0.5	ug/l	100		62-115		
m-p-Xylene	N.D.	0.5	ug/l	101		64-120		
o-Xylene	N.D.	0.5	ug/l	96		62-113		
Bromoform	N.D.	1.	ug/l	97		69-116		
1,1,2,2-Tetrachloroethane	N.D.	1.	ug/l	102		72-139		
1,3-Dichlorobenzene	N.D.	1.	ug/l	102		63-114		
1,4-Dichlorobenzene	N.D.	1.	ug/l	101		64-116		
1,2-Dichlorobenzene	N.D.	1.	ug/l	101		61-112		
trans-1,3-Dichloropropene	N.D.	1.	ug/l	104		79-114		
cis-1,3-Dichloropropene	N.D.	1.	ug/l	100		76-114		
Freon 113	N.D.	2.	ug/l	95		73-140		
Batch number: 2042601AA Sample number(s): 4347182								
Methyl Tertiary Butyl Ether	N.D.	0.5	ug/l	96		77-127		
Benzene	N.D.	0.5	ug/l	95		65-117		
Toluene	N.D.	0.5	ug/l	101		65-115		
Ethylbenzene	N.D.	0.5	ug/l	100		62-119		
Xylene (Total)	N.D.	0.5	ug/l	97		63-113		

\* - 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.

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 09/22/04 at 12:39 PM

Group Number: 911074

### Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limite	RPD	RPD Max
---------------	--------------	-----------	--------------	----------	-----------	-----------------	-----	---------

### Sample Matrix Quality Control

Analysis Name	ME %REC	MSD %REC	ME/MSD Limite	RPD	RPD MAX	ENG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 04254A07C TPH-GRO - Waters	105		63-154						
Batch number: 04254A16A TPH-GRO - Waters	109		63-154						
Batch number: N042601AA									
Ethanol	114	73	53-153	44*	30				
Methyl Tertiary Butyl Ether	107	105	69-134	2	30				
di-Isopropyl ether	110	109	75-130	1	30				
Ethyl t-butyl ether	95	94	76-119	1	30				
t-Amyl methyl ether	97	95	77-117	2	30				
t-Butyl alcohol	133	125	51-147	6	30				
Chloromethane	120	140	69-157	15	30				
Vinyl Chloride	113	135	70-151	20	30				
Bromomethane	101	117	59-143	15	30				
Chloroethane	117	135	63-142	15	30				
Trichlorofluoromethane	129	150	67-163	15	30				
1,1-Dichloroethene	110	110	76-146	1	30				
Methylene Chloride	98	97	79-133	2	30				
trans-1,2-Dichloroethene	102	102	62-133	1	30				
1,1-Dichloroethane	111	110	65-135	1	30				
cis-1,2-Dichloroethene	96	94	63-126	2	30				
Chloroform	106	103	62-131	2	30				
1,1,1-Trichloroethane	111	110	61-142	1	30				
Carbon Tetrachloride	115	113	73-144	2	30				
Benzene	107	105	63-128	2	30				
1,2-Dichloroethane	111	108	73-136	3	30				
Trichloroethene	106	104	75-135	3	30				
1,2-Dichloropropane	108	104	61-121	4	30				
Dibromomethane	103	103	63-120	0	30				
Bromo-dichloromethane	107	104	60-125	3	30				
Toluene	104	102	63-127	2	30				
1,1,2-Trichloroethane	142*	140*	77-125	2	30				
Tetrachloroethene	109	105	76-133	3	30				
Dibromochloromethane	102	100	73-139	2	30				
1,2-Dibromoethane	102	100	76-120	2	30				
Chlorobenzene	103	95	63-120	4	30				
Ethylbenzene	107	104	62-125	3	30				
m-p-Xylene	104	100	62-120	3	30				
o-Xylene	103	103	62-120	2	30				
Bromoform	100	96	64-125	4	30				
1,1,2,2-Tetrachloroethane	101	98	65-123	3	30				
1,3-Dichlorobenzene	102	103	75-123	0	30				
1,4-Dichlorobenzene	102	100	61-122	3	30				
1,2-Dichlorobenzene	102	103	62-137	1	30				
trans-1,3-Dichloropropene	102	103	75-137	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: 09/22/04 at 12:39 PM

Group Number: 911074

### Sample Matrix Quality Control

Analysis Name	ME %REC	MSD %REC	ME/MSD Limits	RPD	RPD MAX	EXG Conc	DUP Conc	DUP RPD	Dup RPD Max
cis-1,3-Dichloropropene	96	95	76-117	1	20				
Freon 113	111	110	73-166	1	30				
Batch number: N042601AE Sample number(s): 43473E7									
Ethanol	114	73	33-153	44*	30				
Methyl Tertiary Butyl Ether	107	105	69-134	2	30				
di-isopropyl ether	110	109	75-130	1	30				
Ethyl t-butyl ether	95	54	78-119	1	30				
t-Amyl methyl ether	97	95	77-117	2	30				
t-Butyl alcohol	133	125	51-147	6	30				
Chloromethane	120	140	65-157	15	30				
Vinyl Chloride	113	136	70-151	20	30				
Bromomethane	101	117	59-143	15	30				
Chloroethane	117	135	63-142	15	30				
Trichlorofluoromethane	129	150	67-163	15	30				
1,1-Dichloroethene	110	110	76-146	1	30				
Methylene Chloride	98	97	79-133	2	30				
trans-1,2-Dichloroethene	102	102	62-133	1	30				
1,1-Dichloroethane	111	110	65-135	1	30				
cis-1,2-Dichloroethene	96	94	63-126	2	30				
Chloroform	106	103	62-131	2	30				
1,1,1-Trichloroethane	111	110	63-142	1	30				
Carbon Tetrachloride	115	113	73-144	2	30				
Benzene	107	105	63-126	3	30				
1,2-Dichloroethane	111	106	73-136	3	30				
Trichloroethene	106	104	75-135	3	30				
1,2-Dichloropropane	108	104	61-121	4	30				
Eromodichloromethane	107	104	60-129	3	30				
Toluene	104	102	63-127	2	30				
1,1,2-Trichloroethane	143*	140*	77-125	2	30				
Tetrachloroethene	109	105	76-133	3	30				
Dibromochloromethane	102	100	73-119	2	30				
1,2-Dibromoethane	102	100	76-120	2	30				
Chlorobenzene	103	99	65-120	4	30				
Ethylbenzene	107	104	62-129	3	30				
m-p-Xylene	104	100	62-130	3	30				
o-Xylene	103	103	62-130	2	30				
Eromform	100	96	64-119	4	30				
1,1,2,2-Tetrachloroethane	101	98	69-121	3	30				
1,3-Dichlorobenzene	102	101	79-122	0	30				
1,4-Dichlorobenzene	102	100	61-122	1	30				
1,2-Dichlorobenzene	102	103	62-117	1	30				
trans-1,3-Dichloropropene	102	103	75-117	1	30				
cis-1,3-Dichloropropene	96	95	76-117	1	30				
Freon 113	111	110	73-166	1	30				
Batch number: Z042601AA Sample number(s): 43471E2									
Methyl Tertiary Butyl Ether	102	94	69-134	3	30				
Benzene	102	93	63-126	3	30				
Toluene	103	95	63-127	3	30				
Ethylbenzene	103	93	62-125	3	30				
Xylene (Total)	98	90	62-130	3	30				

\* - Outside of specification

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

## Quality Control Summary

Client Name: ChevronTexaco  
Reported: 09/22/04 at 12:39 PM

Group Number: 911074

### Surrogate Quality Control

Analysis Name: TPH-GRO - Waters  
Batch number: 04254A07C  
Trifluorotoluene-F

4347182	102
Blank	102
LCS	122
LCSD	119
MS	208*

Limits: 57-146

Analysis Name: TPH-GRO - Waters  
Batch number: 04254A16A  
Trifluorotoluene-F

4347183	110
4347184	111
4347185	108
4347186	107
4347187	140
Blank	106
LCS	109
LCSD	112
MS	111

Limits: 57-146

Analysis Name: EPA SW646/E260 (water)  
Batch number: N042601AA

	Dibromofluoromethane	1,2-Dichloroethane-64	Toluene-d8	4-Bromofluorobenzene
4347183	94	94	96	93
4347184	95	92	96	96
4347185	97	93	96	93
4347186	97	93	95	91
Blank	95	93	95	89
LCS	91	92	95	102
MS	92	94	97	103
MSD	92	94	96	100

Limits: 83-120      82-112      85-112      83-113

Analysis Name: EPA SW646/E260 (water)  
Batch number: N042601AA

	Dibromofluoromethane	1,2-Dichloroethane-64	Toluene-d8	4-Bromofluorobenzene
4347187	90	90	96	99
Blank	96	93	94	90
LCS	91	92	95	102
MS	92	94	97	103
MSD	92	94	96	100

Limits: 83-120      82-112      85-112      83-113

Analysis Name: ETEX-MTEE by E260E

\* - 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: 09/22/04 at 12:39 PM

Group Number: 911074

### Surrogate Quality Control

Batch number: Z042603AA				
	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
Blank	96	96	97	93
LCS	96	96	97	95
MS	96	101	97	96
MSD	96	103	100	97
Limits:	E1-120	E2-112	E5-112	E3-113

\*- 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 is $\geq$ the Method Detection Limit (MDL) and $<$ the 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 $\geqIDL$
<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.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions of Lancaster Laboratories and we hereby object to any conflicting terms contained in any acceptance or order submitted by client.