

ST 03812  
JP



**Chevron**

April 13, 1998

**Chevron Products Company**  
6001 Bollinger Canyon Road  
Building L  
San Ramon, CA 94583  
P.O. Box 6004  
San Ramon, CA 94583-0904

**Marketing - Sales West**  
Phone 510 842-9500

Mr. Thomas Peacock  
Alameda County Health Care Services  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

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

Dear Mr. Peacock:

Enclosed is the First Quarter Groundwater Monitoring report for 1998, prepared by our consultant Blaine Tech Services, Inc. for the above noted facility. As noted in the report, ground water samples were analyzed for TPH-g, BTEX, and MtBE constituents. Monitoring wells MW-7, MW-9, MW-13, MW-15, and MW-16 are sampled semiannually per letter from your office dated March 6, 1997. Wells MW-1 thru MW-6, MW-8, MW-10, MW-11, MW-12 and MW-14 were abandoned in January 1998

The benzene concentration increased in monitoring well MW-16, while decreasing in wells MW-7, MW-9 and MW-13. Monitoring well MW-15 was below method detection limits for all constituents.

Oxygen releasing compound (ORC) was to be added to monitoring well MW-16 after the last sampling event, however it was inadvertently omitted. Instead of the use of ORC to reduce the dissolved hydrocarbons detected in MW-16, **Chevron proposes the injection of hydrogen peroxide.** I have sent Mr. Larry Seto of your office, information on the use of hydrogen peroxide to reduce organic compounds. After reviewing this information I believe that you will find that it would be appropriate to use hydrogen peroxide as the oxidant in lieu of ORC. Your comments will be appreciated.

Ground water depth varied from 18.60 feet to 19.92 feet below grade with a direction of flow easterly.

March

April 13, 1998  
Mr. Thomas Peacock  
Former Chevron Service Station #9-0020  
Page 2

Chevron will continue to monitor the site semiannually. If you have any questions please call me at (510) 842-9136.

Sincerely,  
**CHEVRON PRODUCTS COMPANY**



Philip R. Briggs  
Site Assessment and Remediation Project Manager

Enclosure

Cc: Ms. Bette Owen, Chevron

The Oakland Housing Authority  
Attn: Mr. Howard Davis  
1619 Harrison Street  
Oakland, CA 94612

**BLAINE**  
TECH SERVICES INC.



1680 ROGERS AVENUE  
SAN JOSE, CALIFORNIA 95112  
(408) 573-7771 FAX  
(408) 573-0555 PHONE

March 31, 1998

Phil Briggs  
Chevron U.S.A. Products Company  
P.O. Box 6004  
San Ramon, CA 94583-0904

### **1st Quarter 1998 Monitoring at 9-0020**

First Quarter 1998 Groundwater Monitoring at  
Former Chevron Service Station Number 9-0020  
1633 Harrison Street  
Oakland, CA

Monitoring Performed on February 16, 1998

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### **Groundwater Sampling Report 980216-H-1**

This report covers the routine monitoring of groundwater wells at this Chevron facility. Blaine Tech Services, Inc.'s work at the site includes inspection, gauging, evacuation, purgewater containment, sample collection and sample handling in accordance with standard procedures that conform to Regional Water Quality Control Board requirements.

Routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated volume of a three-case volume purge, elapsed evacuation time, total volume of water removed, and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater is, likewise, collected and transported to McKittrick Waste Treatment Site for disposal.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**. The table also contains new groundwater elevation calculations taken from the computer plotted gradient map which is located in the **Professional Engineering Appendix**.

At a minimum, Blaine Tech Services, Inc. field personnel are certified upon completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

Please call if you have any questions.

Yours truly,



Francis Thie  
Vice President

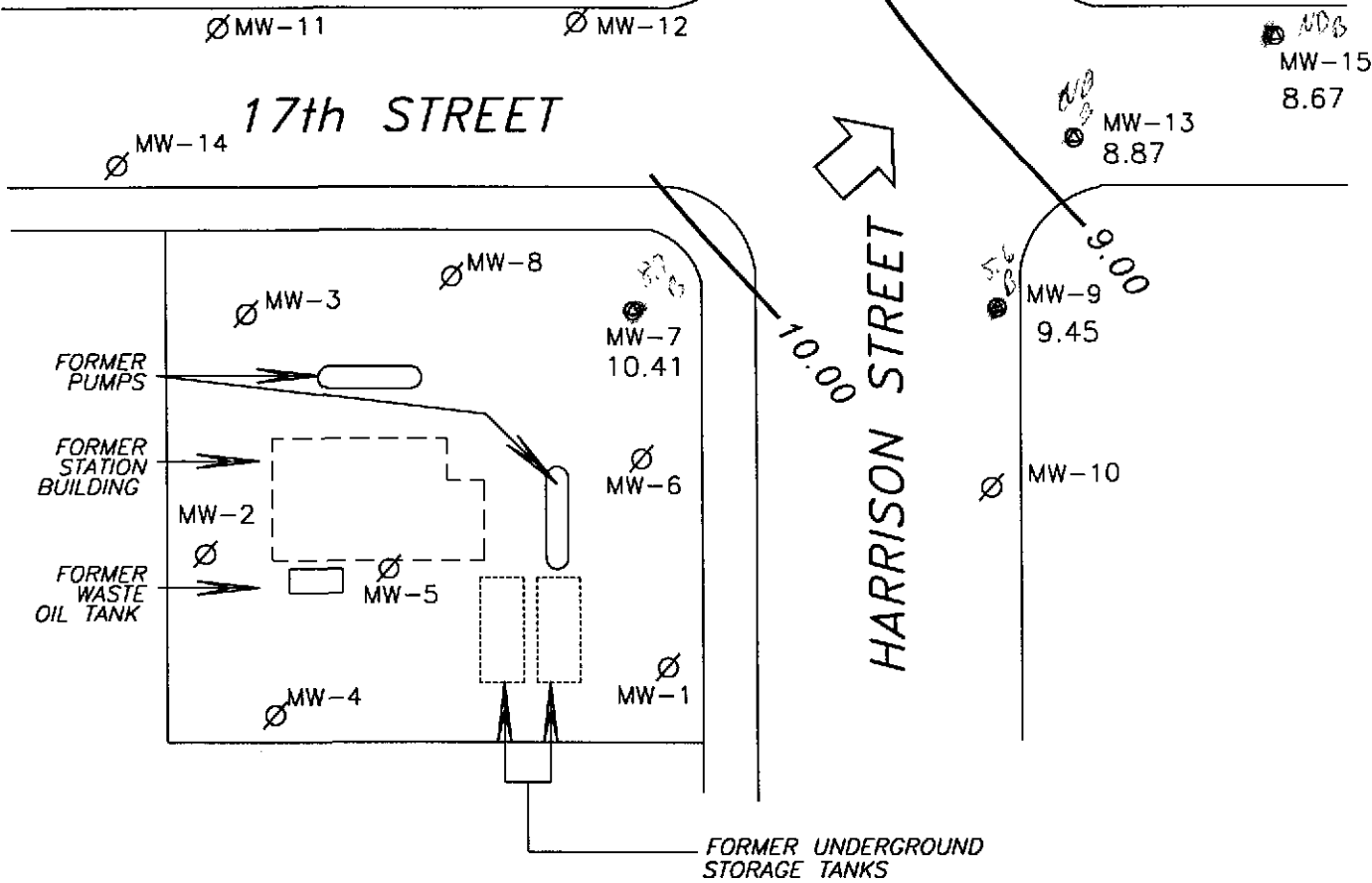
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attachments: Professional Engineering Appendix  
Cumulative Table of Well Data and Analytical Results  
Analytical Appendix  
Field Data Sheets

# **Professional Engineering Appendix**



SCALE (ft)



EXPLANATION

- ⊙ MONITORING WELL
- ∅ ABANDONED WELL
- 9.45 GROUNDWATER ELEVATION (FT, MSL)
- 9.00 — GROUNDWATER ELEVATION CONTOUR (FT, MSL)
- NA DATA NOT AVAILABLE
- APPROXIMATE GROUNDWATER FLOW DIRECTION;  
APPROXIMATE GRADIENT = 0.01



Basemap from Geoconsultants, Inc.

PREPARED BY



**Chevron Station 9-0020**  
1633 Harrison Street  
Oakland, California

**GROUNDWATER ELEVATION CONTOUR MAP,**  
**FEBRUARY 16, 1998**

FIGURE:  
1  
PROJECT:  
DAC04

# **Table of Well Data and Analytical Results**

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	TOG
<b>MW-1</b>											
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	--	--
01/17/98	--	--	--	Abandoned	--	--	--	--	--	--	--



## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	TOG
<b>MW-2</b>											
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	--	<3000
07/28/89	30.59	9.57	21.02	--	<100	<0.2	<1.0	<0.2	<0.5	--	<3000
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	--	--
01/17/98	--	--	--	Abandoned	--	--	--	--	--	--	--

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	TOG
<b>MW-3</b>											
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	--	--	--	--	--	--	--	--
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	--	<3000
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	--	--
01/17/98	--	--	--	Abandoned	--	--	--	--	--	--	--

\* See Table 2 of Additional Analyses.

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	TOG
<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	--	--
01/09/90	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	1.9	--	--
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	--	--
04/07/93	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	--	--
01/17/98	--	--	--	Abandoned	--	--	--	--	--	--	--

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	TOG
<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	--	--
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	--	--	--	--	--	--	--	--
01/17/98	--	--	--	Abandoned	--	--	--	--	--	--	--

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	TOG
<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	--	--
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	--	--	--	--	--	--	--	--
01/17/98	--	--	--	Abandoned	--	--	--	--	--	--	--

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	TOG
<b>MW-7</b>											
04/23/89	29.01	10.02	18.99	--	--	--	--	--	--	--	--
04/24/89	29.01	--	--	See Table 2	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	29.01	--	--	Duplicate	6000	280	180	58	430	--	--
10/30/89	29.01	9.04	19.97	--	10,000	570	55	160	400	--	--
10/30/89	29.01	--	--	Duplicate	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	--	--	--	--	--	--	--	--	--	--
09/07/94	29.01	--	--	--	--	--	--	--	--	--	--
11/30/94	29.01	--	--	Inaccessible	--	--	--	--	--	--	--
01/17/95	29.01	17.39	11.62	--	2700	140	65	44	200	--	--
03/22/95	29.01	11.33	17.68	--	160	3.4	<0.5	1.1	0.77	--	--
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	--

CONTINUED ON NEXT PAGE

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	TOG
<b>MW-7 (CONT'D)</b>											
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	--
<b>MW-8</b>											
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	29.57	--	--	Duplicate	<50	<0.5	<1.0	<1.0	<1.0	--	--
07/28/89	29.57	9.20	20.37	--	<100	<0.2	<1.0	<0.2	<0.4	--	<3000
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	--	--	--	--	--	--	--	--
01/17/98	--	--	--	Abandoned	--	--	--	--	--	--	--

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	TOG
<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	--	--
09/27/93	28.68	8.74	19.94	--	--	--	--	--	--	--	--
12/17/93	28.68	8.37	20.31	--	4600	92	85	180	300	--	--
03/10/94	28.68	8.38	20.30	--	3300	8.0	29	120	170	--	--
06/16/94	28.68	8.42	20.26	--	2900	4.8	16	85	64	--	--
09/07/94	28.68	8.27	20.41	--	2900	<0.5	9.9	70	75	--	--
11/30/94	28.68	8.70	19.98	--	2100	<5.0	<5.0	53	51	--	--
03/22/95	28.68	9.27	19.41	--	2200	<5.0	5.3	26	69	--	--
06/27/95	28.68	9.28	19.40	--	2900	7.4	10	68	99	--	--
09/28/95	28.68	9.13	19.55	--	4000	32	<10	36	44	--	--
12/30/95	28.68	8.88	19.80	--	3800	<5.0	13	<5.0	120	120	--
02/28/96	28.68	8.93	19.75	--	2000	9.9	<5.0	46	30	<25	--
06/27/96	28.68	9.13	19.55	--	2400	36	7.1	65	72	<50	--
09/13/96	28.68	8.86	19.82	--	2500	26	8.4	53	39	36	--
12/16/96	28.68	7.91	20.77	--	1200	3.5	2.4	12	14	<10	--
03/20/97	28.68	9.28	19.40	--	2400	25	5.8	26	22	<25	--
09/08/97	28.68	8.59	20.09	--	1800	9.5	8.1	22	21	12	--
02/16/98	28.68	9.45	19.23	--	950	5.6	3.1	13	13	18	--



## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	TOG
<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	--	--
01/17/98	--	--	--	Abandoned	--	--	--	--	--	--	--

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	TOG
<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	--	--
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	--	--
01/17/98	--	--	--	Abandoned	--	--	--	--	--	--	--
<b>MW-12</b>											
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	--	--	--	--	--	--	--	--
01/17/98	--	--	--	Abandoned	--	--	--	--	--	--	--

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	TOG
<b>MW-13</b>											
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	--	--
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	0.60	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	--

\*See Table 2 of Additional Analysis.

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	TOG
<b>MW-14</b>											
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	--	--	--	--	--	--	--	--
01/17/98	--	--	--	Abandoned	--	--	--	--	--	--	--
<b>MW-15</b>											
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	--

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	TOG
<b>MW-16</b>											
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	--
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	--

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	TOG
<b>TRIP BLANK</b>											
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	--	--
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	--

## Cumulative Table of Well Data and Analytical Results

### TABLE OF ADDITIONAL ANALYSES

Vertical Measurements are in feet.

Analytical values are in parts per billion (ppb)

DATE	Carbon Tet	Chloro-form	PCE	TCE	1, 2,-DCE	t-1, 2-DCE	c-1, 2-DCE	1, 1, 1-TCA	1,2-DCA	1, 2-DCP	1, 2-DCP
<b>MW-1</b>											
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	--	--
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	--	--
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
<b>MW-2</b>											
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	--	--
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

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical values are in parts per billion (ppb)

DATE	Carbon Tet	Chloro-form	PCE	TCE	1, 2,-DCE	t-1, 2-DCE	c-1, 2-DCE	1, 1, 1-TCA	1,2-DCA	1, 2-DCP	1, 2-DCP
<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>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



## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical values are in parts per billion (ppb)

DATE	Carbon Tet	Chloro-form	PCE	TCE	1, 2,-DCE	t-1, 2-DCE	c-1, 2-DCE	1, 1, 1-TCA	1,2-DCA	1, 2-DCP	1, 2-DCP
<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	--	--
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
<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	<0.5	<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

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical values are in parts per billion (ppb)

DATE	Carbon Tet	Chloro-form	PCE	TCE	1, 2,-DCE	t-1, 2-DCE	c-1, 2-DCE	1, 1, 1-TCA	1,2-DCA	1, 2-DCP	1, 2-DCP
<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	--	--
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
<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

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical values are in parts per billion (ppb)

DATE	Carbon Tet	Chloro-form	PCE	TCE	1, 2,-DCE	t-1, 2-DCE	c-1, 2-DCE	1, 1, 1-TCA	1,2-DCA	1, 2-DCP	1, 2-DCP	
<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	1.0	<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	<0.5	<0.5	<0.5	
11/15/91	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	0.6	<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	
<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>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	
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	--	--	--	--	--	--	--	--	--	--	--	

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical values are in parts per billion (ppb)

DATE	Carbon Tet	Chloro-form	PCE	TCE	1, 2,-DCE	t-1, 2-DCE	c-1, 2-DCE	1, 1, 1-TCA	1,2-DCA	1, 2-DCP	1, 2-DCP	
<b>MW-12</b>												
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	
<b>MW-13</b>												
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	
<b>MW-14</b>												
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	--	---	---	--	--	--	--	--	--	--	--	

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical values are in parts per billion (ppb)

DATE	Carbon Tet	Chloro-form	PCE	TCE	1, 2,-DCE	t-1, 2-DCE	c-1, 2-DCE	1, 1, 1-TCA	1,2-DCA	1, 2-DCP	1, 2-DCP
<b>TRIP BLANK</b>											
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

## Cumulative Table of Well Data and Analytical Results

**TABLE 2 OF ADDITIONAL ANALYSES**

Vertical Measurements are in feet.

Analytical values are in parts per billion (ppb)

DATE	2-butanone	Acetone	1, 1-DCE	1, 1-DCA	Chloro-benzene	Chloro-benzene
<b>MW-3</b> 08/27/91	--	--	1.3	0.5	0.7	0.7
<b>MW-7</b> 04/24/89	160	5.0	--	--	--	--
<b>MW-13</b> 11/15/91	--	--	--	0.6	--	--

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on November 1, 1994.  
Earlier field data and analytical results are drawn from the September 27, 1994 Groundwater Technology, Inc. report.

**ABBREVIATIONS:**

TPH = Total Petroleum Hydrocarbons  
 TOG = Total Oil and Grease  
 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-DCP = 1,2-Dichloropropane  
 1,1-DCE = 1,1-Dichloroethene  
 MC = Methylene chloride

# **Analytical Appendix**



Blaine Tech Services  
1680 Rogers Avenue  
San Jose, CA 95112

Client Proj. ID: Chevron 9-0020/980216-H1  
Sample Descript: MW-7  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9802B36-01

Sampled: 02/16/98  
Received: 02/17/98  
Analyzed: 02/25/98  
Reported: 03/02/98

QC Batch Number: GC022598BTEX21A  
Instrument ID: GCHP21

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE**

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	120
Methyl t-Butyl Ether	2.5	4.4
Benzene	0.50	8.7
Toluene	0.50	7.5
Ethyl Benzene	0.50	1.9
Xylenes (Total)	0.50	11
Chromatogram Pattern:		Gas

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	101

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL - ELAP #1210**

  
Peggy Penner  
Project Manager







Blaine Tech Services  
1680 Rogers Avenue  
San Jose, CA 95112

Client Proj. ID: Chevron 9-0020/980216-H1  
Sample Descript: MW-9  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9802B36-02

Sampled: 02/16/98  
Received: 02/17/98  
Analyzed: 02/25/98  
Reported: 03/02/98

Attention: Fran Thie

QC Batch Number: GC022598BTEX21A  
Instrument ID: GCHP21

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE**

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	100	950
Methyl t-Butyl Ether	5.0	18
Benzene	1.0	5.6
Toluene	1.0	3.1
Ethyl Benzene	1.0	13
Xylenes (Total)	1.0	13
Chromatogram Pattern:		Gas
Unidentified HC		C6-C12

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	89

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** - ELAP #1210

  
Peggy Penner  
Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 9-0020/980216-H1 Sample Descript: MW-13 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9802B36-03	Sampled: 02/16/98 Received: 02/17/98 Analyzed: 02/25/98 Reported: 03/02/98
------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------

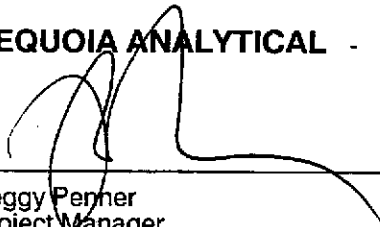
QC Batch Number: GC022598BTEX21A  
Instrument ID: GCHP21

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE**

Analyte	Detection Limit ug/L	Sample Results ug/L
<b>TPPH as Gas</b>	<b>50</b>	<b>64</b>
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern: Unidentified HC		<b>C6-C12</b>
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	101

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** - ELAP #1210

  
Peggy Perner  
Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 9-0020/980216-H1 Sample Descript: MW-15 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9802B36-04	Sampled: 02/16/98 Received: 02/17/98 Analyzed: 02/25/98 Reported: 03/02/98
Attention: Fran Thie		

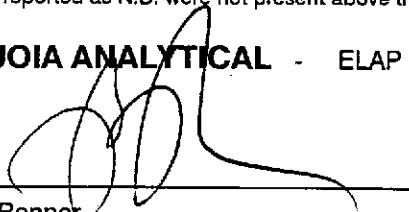
QC Batch Number: GC022598BTEX03A  
Instrument ID: GCHP3

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE**

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	95

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** - ELAP #1210

  
Peggy Penner  
Project Manager





Blaine Tech Services  
1680 Rogers Avenue  
San Jose, CA 95112

Client Proj. ID: Chevron 9-0020/980216-H1  
Sample Descript: MW-16  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9802B36-05

Sampled: 02/16/98  
Received: 02/17/98  
Analyzed: 02/26/98  
Reported: 03/02/98

QC Batch Number: GC022698BTEX06A  
Instrument ID: GCHP6

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE**

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	500	3100
Methyl t-Butyl Ether	25	N.D.
Benzene	5.0	570
Toluene	5.0	35
Ethyl Benzene	5.0	27
Xylenes (Total)	5.0	54
Chromatogram Pattern:		Gas
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	83

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** - ELAP #1210

  
Peggy Penner  
Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 9-0020/980216-H1 Sample Descript: TB Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9802B36-06	Sampled: 02/16/98 Received: 02/17/98 Analyzed: 02/25/98 Reported: 03/02/98
Attention: Fran Thie		

QC Batch Number: GC022598BTEX03A  
Instrument ID: GCHP3

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE**

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	94

Analytes reported as N.D. were not present above the stated limit of detection.

**SEQUOIA ANALYTICAL** - ELAP #1210

Peggy Penner  
Project Manager





Blaine Tech Services, Inc.  
1680 Rogers Ave.  
San Jose, CA 95112  
Attention: Fran Thie

Client Project ID: Chevron 9-0020 / 980216-H1  
Matrix: Liquid

Work Order #: 9802B36 -01-03

Reported: Mar 10, 1998

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC022598BTEX21A	GC022598BTEX21A	GC022598BTEX21A	GC022598BTEX21A	GC022598BTEX21A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	C. Demartini	C. Demartini	C. Demartini	C. Demartini	C. Demartini
MS/MSD #:	9802C1903	9802C1903	9802C1903	9802C1903	9802C1903
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/25/98	2/25/98	2/25/98	2/25/98	2/25/98
Analyzed Date:	2/25/98	2/25/98	2/25/98	2/25/98	2/25/98
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	11	10	10	30	54
MS % Recovery:	110	100	100	100	90
Dup. Result:	10	9.9	9.9	29	50
MSD % Recov.:	100	99	99	97	83
RPD:	9.5	1.0	1.0	3.4	7.7
RPD Limit:	0-25	0-25	0-25	0-25	0-25

LCS #:	BLK022598	BLK022598	BLK022598	BLK022598	BLK022598
Prepared Date:	2/25/98	2/25/98	2/25/98	2/25/98	2/25/98
Analyzed Date:	2/25/98	2/25/98	2/25/98	2/25/98	2/25/98
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	11	11	11	31	55
LCS % Recov.:	110	110	110	103	92

MS/MSD	60-140	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130	70-130
Control Limits					

**SEQUOIA ANALYTICAL**  
  
Reggy Penner  
Project Manager

Please Note:  
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

\*\* MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

9802B36.BLA <1>





Blaine Tech Services, Inc.  
1680 Rogers Ave.  
San Jose, CA 95112  
Attention: Fran Thie

Client Project ID: Chevron 9-0020 / 980216-H1  
Matrix: Liquid

Work Order #: 9802B36-04, 06

Reported: Mar 10, 1998

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC022598BTEX03A	GC022598BTEX03A	GC022598BTEX03A	GC022598BTEX03A	GC022598BTEX03A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	C. Demartini	C. Demartini	C. Demartini	C. Demartini	C. Demartini
MS/MSD #:	9802C1903	9802C1903	9802C1903	9802C1903	9802C1903
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/25/98	2/25/98	2/25/98	2/25/98	2/25/98
Analyzed Date:	2/25/98	2/25/98	2/25/98	2/25/98	2/25/98
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	9.6	9.4	9.7	28	62
MS % Recovery:	96	94	97	93	103
Dup. Result:	9.7	9.4	9.6	30	62
MSD % Recov.:	97	94	96	100	103
RPD:	1.0	0.0	1.0	6.9	0.0
RPD Limit:	0-25	0-25	0-25	0-25	0-25

LCS #:	BLK022598	BLK022598	BLK022598	BLK022598	BLK022598
Prepared Date:	2/25/98	2/25/98	2/25/98	2/25/98	2/25/98
Analyzed Date:	2/25/98	2/25/98	2/25/98	2/25/98	2/25/98
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	10	9.8	10	30	65
LCS % Recov.:	100	98	100	100	108

MS/MSD	60-140	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130	70-130
Control Limits					

SEQUOIA ANALYTICAL

Reggy Penner  
Project Manager

**Please Note:**

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

\*\* MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

9802B36.BLA <2>





Blaine Tech Services, Inc.  
1680 Rogers Ave.  
San Jose, CA 95112  
Attention: Fran Thie

Client Project ID: Chevron 9-0020 / 980216-H1  
Matrix: Liquid

Work Order #: 9802B36-05

Reported: Mar 10, 1998

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC022698BTEX06A	GC022698BTEX06A	GC022698BTEX06A	GC022698BTEX06A	GC022698BTEX06A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	9802C3802	9802C3802	9802C3802	9802C3802	9802C3802
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/26/98	2/26/98	2/26/98	2/26/98	2/26/98
Analyzed Date:	2/26/98	2/26/98	2/26/98	2/26/98	2/26/98
Instrument I.D.#:	GCHP6	GCHP6	GCHP6	GCHP6	GCHP6
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	9.4	9.5	9.7	29	48
MS % Recovery:	94	95	97	97	80
Dup. Result:	11	11	11	33	55
MSD % Recov.:	110	110	110	110	92
RPD:	16	15	13	13	14
RPD Limit:	0-25	0-25	0-25	0-25	0-25

LCS #:	BLK022698	BLK022698	BLK022698	BLK022698	BLK022698
Prepared Date:	2/26/98	2/26/98	2/26/98	2/26/98	2/26/98
Analyzed Date:	2/26/98	2/26/98	2/26/98	2/26/98	2/26/98
Instrument I.D.#:	GCHP6	GCHP6	GCHP6	GCHP6	GCHP6
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	11	11	11	33	54
LCS % Recov.:	110	110	110	110	90

MS/MSD	60-140	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130	70-130
Control Limits					

SEQUOIA ANALYTICAL

Peggy Penner  
Project Manager

**Please Note:**

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

\*\* MS = Matrix Spike, MSD = MS Duplicate, RPD = Relative % Difference

9802B36.BLA <3>







**Sequoia  
Analytical**

680 Chesapeake Drive  
404 N. Wiget Lane  
819 Striker Avenue, Suite 8

Redwood City, CA 94063  
Walnut Creek, CA 94598  
Sacramento, CA 95834

(650) 364-9600  
(510) 988-9600  
(916) 921-9600

FAX (650) 364-9233  
FAX (510) 988-9673  
FAX (916) 921-0100

Blaine Tech Services  
1680 Rogers Avenue  
San Jose, CA 95112  
Attention: Fran Thie

Client Proj. ID: Chevron 9-0020/980216-H1

Received: 02/17/98

Lab Proj. ID: 9802B36

Reported: 03/02/98

### LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 10 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

TPPH Note: Sample 9802B36-02 was diluted 2-fold.  
Sample 9802B36-05 was diluted 10-fold.

**SEQUOIA ANALYTICAL**

  
Peggy Perner  
Project Manager



Chevron U.S.A. Inc.  
P.O. BOX 5004  
San Ramon, CA 94583  
FAX (415)842-9591

Chevron Facility Number 9-0020  
Facility Address 1633 Harrison St., Oakland, CA  
Consultant Project Number 980216-#1  
Consultant Name Blaine Tech Services, Inc.  
Address 1680 Rogers Ave., San Jose, CA 95112  
Project Contact (Name) Fran Thie  
(Phone) (408)573-0555 (Fax Number) (408)573-7771

Chevron Contact (Name) Phil Briggs  
(Phone) (510) 842-9136  
Laboratory Name Sequoia  
Laboratory Release Number 9034736  
Samples Collected by (Name) Morgan H.  
Collection Date 2-16-98  
Signature [Signature]

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analysis To Be Performed <u>98021636</u>																													
								BTX + TPH GAS/MIBK (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (8020)	Purgeable Hydrocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)																						
MW-7 ✓	1	3	W	D	923	HCl	Yes	X																													
MW-9 ✓	2				946																																
MW-13 ✓	3				908																																
MW-15 ✓	4				850																																
MW-16 ✓	5				810C																																
TB ✓	6	2																																			

DO NOT BILL  
FOR TB-LB

Remarks 7 11 27

Relinquished By (Signature) <u>[Signature]</u>	Organization <u>BTS</u>	Date/Time <u>2/17 10:15</u>	Received By (Signature) <u>[Signature]</u>	Organization	Date/Time <u>2/17/98 10:15</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 6 Days 10 Days <u>As Contracted</u>
Relinquished By (Signature) <u>[Signature]</u>	Organization <u>A</u>	Date/Time <u>2/17/98 11:25</u>	Received By (Signature)	Organization	Date/Time	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) <u>[Signature]</u>		Date/Time <u>2/17/98 11:27</u>	

03 91/HCH

# **Field Data Sheets**



## CHEVRON WELL MONITORING DATA SHEET

Project #: <u>980216-41</u>	Station #: <u>9-0020</u>
Sampler: <u>Morgan H.</u>	Date: <u>2/16/98</u>
Well I.D.: <u>MW-7</u>	Well Diameter: 2 3 <b>(4)</b> 6 8 <u>    </u>
Total Well Depth: <u>26.36</u>	Depth to Water: <u>18.62</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <b>(PVC)</b> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius <sup>2</sup> * 0.163

Purge Method:	Sampling Method:
<input type="checkbox"/> Bailer <input type="checkbox"/> Disposable Bailer <input type="checkbox"/> Middleburg <input checked="" type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	<input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port Other: _____

<u>5.0</u>	<u>x</u>	<u>3</u>	<u>=</u>	<u>15</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
<u>919</u>	<u>63.0</u>	<u>7.9</u>	<u>100</u>	<u>5</u>	<u>Very Turbid</u>
<u>920</u>	<u>63.4</u>	<u>7.7</u>	<u>120</u>	<u>10</u>	<u>" "</u>
<u>921</u>	<u>63.4</u>	<u>7.6</u>	<u>120</u>	<u>15</u>	<u>" "</u>
					<u>*light stain on samples</u>

Did well dewater? Yes <input type="checkbox"/> No <b>(No)</b>	Gallons actually evacuated: <u>15</u>
Sampling Time: <u>923</u>	Sampling Date: <u>2/16</u>
Sample I.D.: <u>MW-7</u>	Laboratory: <b>(Sequoia)</b> GTEL N. Creek Assoc. Labs
Analyzed for: <b>(TPH-G)</b> <b>(BTEX)</b> <b>(MTBE)</b> TPH-D Other:	
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D Other:
D.O. (if req'd):	Pre-purge: <u>    </u> mg/L Post-purge: <u>    </u> mg/L
O.R.P. (if req'd):	Pre-purge: <u>    </u> mV Post-purge: <u>    </u> mV

## CHEVRON WELL MONITORING DATA SHEET

Project #: <u>980216-H1</u>	Station #: <u>9-0020</u>
Sampler: <u>MH</u>	Date: <u>2/16/98</u>
Well I.D.: <u>MW-9</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth: <u>24.20</u>	Depth to Water: <u>19.23</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius <sup>2</sup> * 0.163

Purge Method:  Bailer      Sampling Method:  Bailer  
 Disposable Bailer       Disposable Bailer  
 Middleburg       Extraction Port  
 Electric Submersible      Other: \_\_\_\_\_  
 Extraction Pump  
 Other: \_\_\_\_\_

<u>0.75</u>	x	<u>3</u>	=	<u>2.25</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
<u>939</u>	<u>66.6</u>	<u>6.9</u>	<u>990</u>	<u>1</u>	<u>Odor</u>
<u>941</u>	<u>67.4</u>	<u>7.0</u>	<u>1000</u>	<u>2</u>	<u>"</u>
<u>944</u>	<u>67.0</u>	<u>7.1</u>	<u>1000</u>	<u>3</u>	<u>"</u>

Did well dewater? Yes  No  Gallons actually evacuated: 5

Sampling Time: 946      Sampling Date: 2/16

Sample I.D.: MW-9      Laboratory: Sequoia GTEL N. Creek Assoc. Labs

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

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

## CHEVRON WELL MONITORING DATA SHEET

Project #: <u>980216-H1</u>	Station #: <u>9-0020</u>
Sampler: <u>MH</u>	Date: <u>2/16/98</u>
Well I.D.: <u>MW-13</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth: <u>27.08</u>	Depth to Water: <u>19.75</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius <sup>2</sup> * 0.163

Purge Method: <u>Bailer</u> <input checked="" type="checkbox"/> Disposable Bailer Middleburg Electric Submersible Extraction Pump Other: _____	Sampling Method: <u>Bailer</u> <input checked="" type="checkbox"/> Disposable Bailer Extraction Port Other: _____
---------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------

<u>1.0</u>	x	<u>3</u>	=	<u>3.0</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
<u>902</u>	<u>65.8</u>	<u>7.0</u>	<u>900</u>	<u>1</u>	
<u>904</u>	<u>66.0</u>	<u>6.9</u>	<u>880</u>	<u>2</u>	<u>Slight Odor</u>
<u>906</u>	<u>65.6</u>	<u>7.0</u>	<u>900</u>	<u>3</u>	<u>" "</u>

Did well dewater? Yes  No  Gallons actually evacuated: 3

Sampling Time: 908 Sampling Date: 2/16

Sample I.D.: MW-13 Laboratory: Sequoia GTEL N. Creek Assoc. Labs

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

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

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

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>780218-H1</u>	Station #: <u>9-0020</u>
Sampler: <u>MH</u>	Date: <u>2/16/98</u>
Well I.D.: <del>MW-16</del> <u>MW-15</u>	Well Diameter: <u>(2)</u> 3 4 6 8 <u>    </u>
Total Well Depth: <u>26.52</u>	Depth to Water: <u>19.37</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius <sup>2</sup> * 0.163

DTW/G  
20  
6 H<sub>2</sub>O

Purge Method:	Bailer	Sampling Method:	Bailer
<input checked="" type="checkbox"/> Disposable Bailer	<input type="checkbox"/> Middleburg	<input checked="" type="checkbox"/> Disposable Bailer	<input type="checkbox"/> Extraction Port
<input type="checkbox"/> Electric Submersible	<input type="checkbox"/> Extraction Pump	Other: _____	
Other: _____			

<u>1.0</u>	x	<u>3</u>	=	<u>3.0</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
<u>841</u>	<u>67.2</u>	<u>6.7</u>	<u>640</u>	<u>1</u>	
<u>844</u>	<u>67.0</u>	<u>6.7</u>	<u>640</u>	<u>2</u>	
<u>847</u>	<u>66.6</u>	<u>6.8</u>	<u>680</u>	<u>3</u>	

Did well dewater? Yes  No  Gallons actually evacuated: 3

Sampling Time: 850 Sampling Date: 2/16

Sample I.D.: MW-15 Laboratory: (Sequoia) GTEL N. Creek Assoc. Labs

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Other:

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

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



## CHEVRON WELL MONITORING DATA SHEET

Project #: <u>980216-141</u>	Station #: <u>9-0020</u>
Sampler: <u>MH</u>	Date: <u>2/16/98</u>
Well I.D.: <u>MW-16</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth: <u>26.05</u>	Depth to Water: <u>19.92</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius <sup>2</sup> * 0.163

Purge Method: Bailer	Sampling Method: Bailer
<input checked="" type="checkbox"/> Disposable Bailer	<input checked="" type="checkbox"/> Disposable Bailer
Middleburg	Extraction Port
Electric Submersible	Other: _____
Extraction Pump	
Other: _____	

<u>0.9</u>	x	<u>3</u>	=	<u>2.7</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
<u>1002</u>	<u>66.0</u>	<u>7.3</u>	<u>980</u>	<u>1</u>	<u>Odor</u>
<u>1005</u>	<u>66.2</u>	<u>7.4</u>	<u>980</u>	<u>2</u>	<u>"</u>
<u>1008</u>	<u>66.4</u>	<u>7.2</u>	<u>1000</u>	<u>3</u>	<u>"</u>

Did well dewater? Yes  No  Gallons actually evacuated: 3

Sampling Time: 1010 Sampling Date: 2/16

Sample I.D.: MW-16 Laboratory: (Sequoia) GTEL N. Creek Assoc. Labs

Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D Other:

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

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