

ENVIRONMENTAL  
PROTECTION

99 DEC 13 PM 4:55



**Chevron**

Chevron U.S.A. Products Company  
6001 Bollinger Canyon Rd. Bldg. L  
P. O. Box 6004  
San Ramon, CA 94583-0804

Site Assessment and  
Remediation Group  
Phone (510) 842-9500  
Fax (510) 842-5370

Date: December 2, 1999  
To: Distribution  
Re: Groundwater Monitoring Report , 9-0020

The enclosed groundwater monitoring report has been properly reviewed by a Chevron authorized representative. Agency guidelines have been followed. Blaine Tech Services is authorized to distribute the report directly to interested parties.

If you have any questions, please call me at (510) 842-3695.

Sincerely,

A handwritten signature in cursive script that reads "Brett L. Hunter".

Brett Hunter  
Site Assessment and Remediation  
Project Manager

**BLAINE**  
TECH SERVICES INC.



1680 ROGERS AVENUE  
SAN JOSE, CALIFORNIA 95112-1105  
(408) 573-7771 FAX  
(408) 573-0555 PHONE

December 2, 1999

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

### 3rd Quarter 1999 Monitoring at 9-0020

Third Quarter 1999 Groundwater Monitoring at  
Former Chevron Service Station Number 9-0020  
1633 Harrison Street  
Oakland, CA

Monitoring Performed on September 29, 1999

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### Groundwater Sampling Report 990929-P-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,



Scott Boor  
Project Coordinator

SDB/jh

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

cc: Don Hwang, Alameda County Health Care Services  
Howard Davis, The Oakland Housing Authority  
Greg Gurs, Gettler-Ryan, Inc.  
Bette Owen, Chevron Products Company (w/o enclosure)

# **Professional Engineering Appendix**



SCALE (ft)



7.77  
MW-16

Ø MW-11

Ø MW-12

Ø MW-15  
7.92

Ø MW-14 17th STREET

Ø MW-13  
8.13

10.00

MW-9  
8.27

HARRISON STREET

12.00

Ø MW-10

FORMER PUMPS

Ø MW-3

Ø MW-8

⊙ MW-7  
12.12

FORMER STATION BUILDING

MW-2

Ø MW-6

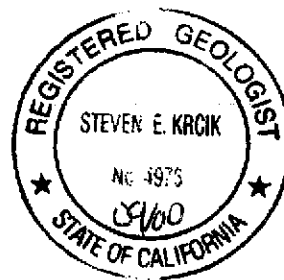
FORMER WASTE OIL TANK

Ø MW-5

Ø MW-4

Ø MW-1

FORMER UNDERGROUND STORAGE TANKS



EXPLANATION

- ⊙ MONITORING WELL
- Ø ABANDONED WELL
- 12.12 GROUNDWATER ELEVATION (FT, MSL)
- 10.00 — GROUNDWATER ELEVATION CONTOUR (FT, MSL)
- APPROXIMATE GROUNDWATER FLOW DIRECTION;  
APPROXIMATE GRADIENT = 0.03

Basemap from Geoconsultants, Inc.

PREPARED BY

**RRM**  
engineering contracting firm

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

GROUNDWATER ELEVATION CONTOUR MAP,  
SEPTEMBER 29, 1999

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-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	--

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## 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	--
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	--
09/29/99	29.01	12.12	16.89	Confirmation run	--	--	--	--	--	<2.0	--
<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	--
08/25/98	28.68	9.18	19.50	--	2100	2.5	6.4	35	51	8.9	--
03/09/99	28.68	8.87	19.81	--	1400	12	7.8	8.8	16	8.8	--
07/19/99	28.68	--	--	*	--	--	--	--	--	--	--
09/29/99	28.68	8.27	20.41	--	217	1.36	1.14	1.56	1.49	<5.0	--
09/29/99	28.68	8.27	20.41	Confirmation run	--	--	--	--	--	<2.0	--

\* ORC's installed.

## 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	0.6	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	--
09/29/99	28.62	8.13	20.49	Confirmation run	--	--	--	--	--	<2.0	--

\*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	--
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	--

## 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	--
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	--
09/29/99	28.32	7.77	20.55	Confirmation run	--	--	--	--	--	<10	--

## 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	<1.5	--	--
04/07/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
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	<2.5	--
02/28/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
06/27/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/13/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/16/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--

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## 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 (CONT'D)</b>											
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	--

## Cumulative Table of Well Data and Analytical Results

### 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	--	--	1.4	<0.5	<0.5	<0.5
04/18/90	23	5.5	<0.5	<0.5	<0.5	--	--	<0.5	<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

## Cumulative Table of Well Data and Analytical Results

### 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-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
<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

## Cumulative Table of Well Data and Analytical Results

### 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-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>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



## Cumulative Table of Well Data and Analytical Results

### 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-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

## Cumulative Table of Well Data and Analytical Results

### 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-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	<1.0	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

### 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-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

### 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-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

### 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>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



October 15, 1999

Leah Davis  
Blaine Tech Services  
1680 Rogers Avenue  
San Jose, CA 95112

RE: Chevron(8)/L910003

Dear Leah Davis:

Enclosed are the results of analyses for sample(s) received by the laboratory on October 1, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wayne Stevenson  
Project Manager

CA ELAP Certificate Number I-2360







Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Blaine/Chevron Project Number: Chevron 9-0020/1633 Harrison, Oakland Project Manager: Christine Lillie	Sampled: 9/29/99 Received: 9/30/99 Reported: 10/15/99
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**ANALYTICAL REPORT FOR L910003**

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-7	L910003-01	Water	9/29/99
MW-9	L910003-02	Water	9/29/99
MW-13	L910003-03	Water	9/29/99
MW-15	L910003-04	Water	9/29/99
MW-16	L910003-05	Water	9/29/99
TB	L910003-06	Water	9/29/99





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Blaine/Chevron Project Number: Chevron 9-0020/1633 Harrison, Oakland Project Manager: Christine Lillie	Sampled: 9/29/99 Received: 9/30/99 Reported: 10/15/99
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**Sample Description:** MW-7  
**Laboratory Sample Number:** L910003-01

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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**Sequoia Analytical - San Carlos**

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT**

Purgeable Hydrocarbons as Gasoline	9100045	10/11/99	10/11/99		50.0	276	ug/l	1
Benzene	"	"	"		0.500	35.1	"	
Toluene	"	"	"		0.500	2.54	"	
Ethylbenzene	"	"	"		0.500	2.17	"	
Xylenes (total)	"	"	"		0.500	5.43	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	70.0-130		74.0	%	

**MTBE by EPA Method 8260A**

Methyl tert-butyl ether	9090143	10/4/99	10/4/99		2.00	ND	ug/l	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	76.0-114		94.0	%	





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Blaine/Chevron Project Number: Chevron 9-0020/1633 Harrison, Oakland Project Manager: Christine Lillie	Sampled: 9/29/99 Received: 9/30/99 Reported: 10/15/99
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Sample Description: **MW-9**  
 Laboratory Sample Number: **L910003-02**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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**Sequoia Analytical - San Carlos**

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT**

Purgeable Hydrocarbons as Gasoline	9100041	10/9/99	10/9/99		50.0	217	ug/l	1
Benzene	"	"	"		0.500	1.36	"	
Toluene	"	"	"		0.500	1.14	"	
Ethylbenzene	"	"	"		0.500	1.56	"	
Xylenes (total)	"	"	"		0.500	1.49	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: <i>a,a,a-Trifluorotoluene</i>	"	"	"	70.0-130		96.8	%	

**MTBE by EPA Method 8260A**

Methyl tert-butyl ether	9090143	10/4/99	10/4/99		2.00	ND	ug/l	
Surrogate: <i>1,2-Dichloroethane-d4</i>	"	"	"	76.0-114		96.4	%	





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Blaine/Chevron Project Number: Chevron 9-0020/1633 Harrison, Oakland Project Manager: Christine Lillie	Sampled: 9/29/99 Received: 9/30/99 Reported: 10/15/99
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**Sample Description:** MW-13  
**Laboratory Sample Number:** L910003-03

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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**Sequoia Analytical - San Carlos**

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT**

Purgeable Hydrocarbons as Gasoline	9100041	10/9/99	10/9/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	"	"	"	70.0-130		83.0	%	

**MTBE by EPA Method 8260A**

Methyl tert-butyl ether	9090143	10/4/99	10/4/99		2.00	ND	ug/l	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	"	"	"	76.0-114		91.0	%	





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Blaine/Chevron Project Number: Chevron 9-0020/1633 Harrison, Oakland Project Manager: Christine Lillie	Sampled: 9/29/99 Received: 9/30/99 Reported: 10/15/99
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**Sample Description:** MW-15  
**Laboratory Sample Number:** L910003-04

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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**Sequoia Analytical - San Carlos**

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT**

Purgeable Hydrocarbons as Gasoline	9100041	10/9/99	10/9/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: <i>a,a,a-Trifluorotoluene</i>	"	"	"	70.0-130		85.7	%	





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Blaine/Chevron Project Number: Chevron 9-0020/1633 Harrison, Oakland Project Manager: Christine Lillie	Sampled: 9/29/99 Received: 9/30/99 Reported: 10/15/99
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**Sample Description:** MW-16  
**Laboratory Sample Number:** L910003-05

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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**Sequoia Analytical - San Carlos**

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT**

Purgeable Hydrocarbons as Gasoline	9100052	10/12/99	10/12/99		1250	5480	ug/l	1
Benzene	"	"	"		12.5	717	"	
Toluene	"	"	"		12.5	45.3	"	
Ethylbenzene	"	"	"		12.5	44.0	"	
Xylenes (total)	"	"	"		12.5	100	"	
Methyl tert-butyl ether	"	"	"		125	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	70.0-130		NR	%	

**MTBE by EPA Method 8260A**

Methyl tert-butyl ether	9090143	10/4/99	10/4/99		10.0	ND	ug/l	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	76.0-114		93.2	%	





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Blaine/Chevron Project Number: Chevron 9-0020/1633 Harrison, Oakland Project Manager: Christine Lillie	Sampled: 9/29/99 Received: 9/30/99 Reported: 10/15/99
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**Sample Description:** TB  
**Laboratory Sample Number:** L910003-06

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Purgeable Hydrocarbons as Gasoline	9100042	10/9/99	10/9/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	"	"	"	70.0-130		85.8	%	

MTBE by EPA Method 8260A

Methyl tert-butyl ether	9100006	10/1/99	10/1/99		2.00	ND	ug/l	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	"	"	"	76.0-114		107	%	





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Blaine/Chevron Project Number: Chevron 9-0020/1633 Harrison, Oakland Project Manager: Christine Lillie	Sampled: 9/29/99 Received: 9/30/99 Reported: 10/15/99
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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control  
Sequoia Analytical - San Carlos**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
<b>Batch: 9100041</b>		<b>Date Prepared: 10/9/99</b>		<b>Extraction Method: EPA 5030B [P/T]</b>						
<b>Blank</b>		<b>9100041-BLK1</b>								
Purgeable Hydrocarbons as Gasoline	10/9/99			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	5.00				
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.03	"	70.0-130	90.3			
<b>LCS</b>		<b>9100041-BS1</b>								
Benzene	10/9/99	10.0		8.03	ug/l	70.0-130	80.3			
Toluene	"	10.0		7.94	"	70.0-130	79.4			
Ethylbenzene	"	10.0		8.01	"	70.0-130	80.1			
Xylenes (total)	"	30.0		23.9	"	70.0-130	79.7			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.38	"	70.0-130	83.8			
<b>LCS</b>		<b>9100041-BS2</b>								
Purgeable Hydrocarbons as Gasoline	10/9/99	250		257	ug/l	70.0-130	103			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.03	"	70.0-130	80.3			
<b>Matrix Spike</b>		<b>9100041-MS1</b>		<b>L910003-04</b>						
Benzene	10/9/99	10.0	ND	8.27	ug/l	60.0-140	82.7			
Toluene	"	10.0	ND	8.19	"	60.0-140	81.9			
Ethylbenzene	"	10.0	ND	8.15	"	60.0-140	81.5			
Xylenes (total)	"	30.0	ND	24.2	"	60.0-140	80.7			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.80	"	70.0-130	98.0			
<b>Matrix Spike Dup</b>		<b>9100041-MSD1</b>		<b>L910003-04</b>						
Benzene	10/9/99	10.0	ND	8.25	ug/l	60.0-140	82.5	25.0	0.242	
Toluene	"	10.0	ND	8.06	"	60.0-140	80.6	25.0	1.60	
Ethylbenzene	"	10.0	ND	8.19	"	60.0-140	81.9	25.0	0.490	
Xylenes (total)	"	30.0	ND	24.1	"	60.0-140	80.3	25.0	0.497	
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.63	"	70.0-130	86.3			
<b>Batch: 9100042</b>		<b>Date Prepared: 10/9/99</b>		<b>Extraction Method: EPA 5030B [P/T]</b>						
<b>Blank</b>		<b>9100042-BLK1</b>								
Purgeable Hydrocarbons as Gasoline	10/9/99			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				







Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Blaine/Chevron Project Number: Chevron 9-0020/1633 Harrison, Oakland Project Manager: Christine Lillie	Sampled: 9/29/99 Received: 9/30/99 Reported: 10/15/99
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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS/LUFT/Quality Control  
Sequoia Analytical - San Carlos**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
<b>Blank (continued)</b>										
<b>9100042-BLK1</b>										
Methyl tert-butyl ether	10/9/99			ND	ug/l	5.00				
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.10	"	70.0-130	91.0			
<b>LCS</b>										
<b>9100042-BS1</b>										
Benzene	10/9/99	10.0		7.49	ug/l	70.0-130	74.9			
Toluene	"	10.0		7.62	"	70.0-130	76.2			
Ethylbenzene	"	10.0		7.48	"	70.0-130	74.8			
Xylenes (total)	"	30.0		22.8	"	70.0-130	76.0			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.56	"	70.0-130	95.6			
<b>LCS</b>										
<b>9100042-BS2</b>										
Purgeable Hydrocarbons as Gasoline	10/9/99	250		267	ug/l	70.0-130	107			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.33	"	70.0-130	83.3			
<b>Matrix Spike</b>										
<b>9100042-MS1 L910005-05</b>										
Benzene	10/9/99	10.0	ND	8.97	ug/l	60.0-140	89.7			
Toluene	"	10.0	ND	8.76	"	60.0-140	87.6			
Ethylbenzene	"	10.0	ND	8.82	"	60.0-140	88.2			
Xylenes (total)	"	30.0	ND	26.5	"	60.0-140	88.3			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.67	"	70.0-130	86.7			
<b>Matrix Spike Dup</b>										
<b>9100042-MSD1 L910005-05</b>										
Benzene	10/9/99	10.0	ND	8.79	ug/l	60.0-140	87.9	25.0	2.03	
Toluene	"	10.0	ND	8.68	"	60.0-140	86.8	25.0	0.917	
Ethylbenzene	"	10.0	ND	8.67	"	60.0-140	86.7	25.0	1.72	
Xylenes (total)	"	30.0	ND	26.0	"	60.0-140	86.7	25.0	1.83	
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.86	"	70.0-130	98.6			
<b>Batch: 9100045</b>										
<b>Date Prepared: 10/11/99</b>										
<b>Extraction Method: EPA 5030B [P/T]</b>										
<b>Blank</b>										
<b>9100045-BLKI</b>										
Purgeable Hydrocarbons as Gasoline	10/11/99			ND	ug/l	5.00				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	5.00				
Surrogate: a,a,a-Trifluorotoluene	"	10.0		10.2	"	70.0-130	102			
<b>LCS</b>										
<b>9100045-BS1</b>										
Benzene	10/11/99	10.0		9.33	ug/l	70.0-130	93.3			
Toluene	"	10.0		9.13	"	70.0-130	91.3			





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Blaine/Chevron Project Number: Chevron 9-0020/1633 Harrison, Oakland Project Manager: Christine Lillie	Sampled: 9/29/99 Received: 9/30/99 Reported: 10/15/99
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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DESLUFF/Quality Control  
Sequoia Analytical - San Carlos**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
<b>LCS (continued)</b>										
	<b>9100045-BS1</b>									
Ethylbenzene	10/11/99	10.0		9.32	ug/l	70.0-130	93.2			
Xylenes (total)	"	30.0		27.7	"	70.0-130	92.3			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		10.1	"	70.0-130	101			
<b>LCS</b>										
	<b>9100045-BS2</b>									
Purgeable Hydrocarbons as Gasoline	10/11/99	250		269	ug/l	70.0-130	108			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.87	"	70.0-130	88.7			
<b>Matrix Spike</b>										
	<b>9100045-MS1</b>		<b>L910005-02</b>							
Purgeable Hydrocarbons as Gasoline	10/11/99	250	ND	250	ug/l	60.0-140	100			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		7.57	"	70.0-130	75.7			
<b>Matrix Spike Dup</b>										
	<b>9100045-MSD1</b>		<b>L910005-02</b>							
Purgeable Hydrocarbons as Gasoline	10/11/99	250	ND	254	ug/l	60.0-140	102	25.0	1.98	
Surrogate: a,a,a-Trifluorotoluene	"	10.0		7.68	"	70.0-130	76.8			
<b>Batch: 9100052</b>										
	<b>Date Prepared: 10/12/99</b>									
<b>Blank</b>										
	<b>9100052-BLK1</b>									
Purgeable Hydrocarbons as Gasoline	10/12/99			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	5.00				
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.64	"	70.0-130	86.4			
<b>LCS</b>										
	<b>9100052-BS1</b>									
Benzene	10/12/99	10.0		8.28	ug/l	70.0-130	82.8			
Toluene	"	10.0		8.24	"	70.0-130	82.4			
Ethylbenzene	"	10.0		8.32	"	70.0-130	83.2			
Xylenes (total)	"	30.0		25.0	"	70.0-130	83.3			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.17	"	70.0-130	81.7			
<b>LCS</b>										
	<b>9100052-BS2</b>									
Purgeable Hydrocarbons as Gasoline	10/12/99	250		245	ug/l	70.0-130	98.0			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		7.95	"	70.0-130	79.5			
<b>Matrix Spike</b>										
	<b>9100052-MS1</b>		<b>L910034-01</b>							
Benzene	10/12/99	10.0	ND	7.88	ug/l	60.0-140	78.8			
Toluene	"	10.0	ND	7.68	"	60.0-140	76.8			
Ethylbenzene	"	10.0	0.930	8.52	"	60.0-140	75.9			





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Blaine/Chevron Project Number: Chevron 9-0020/1633 Harrison, Oakland Project Manager: Christine Lillie	Sampled: 9/29/99 Received: 9/30/99 Reported: 10/15/99
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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DES-LUFT/Quality Control  
Sequoia Analytical - San Carlos**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
<b>Matrix Spike (continued)</b>		<b>9100052-MS1</b>	<b>L910034-01</b>							
Xylenes (total)	10/12/99	30.0	ND	23.0	ug/l	60.0-140	76.7			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		7.70	"	70.0-130	77.0			
<b>Matrix Spike Dup</b>		<b>9100052-MSD1</b>	<b>L910034-01</b>							
Benzene	10/12/99	10.0	ND	8.25	ug/l	60.0-140	82.5	25.0	4.59	
Toluene	"	10.0	ND	7.72	"	60.0-140	77.2	25.0	0.519	
Ethylbenzene	"	10.0	0.930	8.79	"	60.0-140	78.6	25.0	3.50	
Xylenes (total)	"	30.0	ND	23.8	"	60.0-140	79.3	25.0	3.33	
Surrogate: a,a,a-Trifluorotoluene	"	10.0		5.71	"	70.0-130	57.1			





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Blaine/Chevron Project Number: Chevron 9-0020/1633 Harrison, Oakland Project Manager: Christine Lillie	Sampled: 9/29/99 Received: 9/30/99 Reported: 10/15/99
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**MTBE by EPA Method 8260A/Quality Control  
Sequoia Analytical - San Carlos**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
<b>Batch: 9090143</b>			<b>Date Prepared: 9/30/99</b>			<b>Extraction Method: EPA 5030B [P/T]</b>				
<b>Blank</b>			<b>9090143-BLK1</b>							
Methyl tert-butyl ether	9/30/99			ND	ug/l	2.00				
Surrogate: 1,2-Dichloroethane-d4	"	50.0		51.4	"	76.0-114	103			
<b>Blank</b>			<b>9090143-BLK2</b>							
Methyl tert-butyl ether	10/4/99			ND	ug/l	2.00				
Surrogate: 1,2-Dichloroethane-d4	"	50.0		46.9	"	76.0-114	93.8			
<b>LCS</b>			<b>9090143-BS1</b>							
Methyl tert-butyl ether	9/30/99	50.0		48.3	ug/l	70.0-130	96.6			
Surrogate: 1,2-Dichloroethane-d4	"	50.0		55.5	"	76.0-114	111			
<b>LCS</b>			<b>9090143-BS2</b>							
Methyl tert-butyl ether	10/4/99	50.0		41.2	ug/l	70.0-130	82.4			
Surrogate: 1,2-Dichloroethane-d4	"	50.0		48.1	"	76.0-114	96.2			
<b>Matrix Spike</b>			<b>9090143-MS1 L909273-02</b>							
Methyl tert-butyl ether	9/30/99	50.0	23.2	64.7	ug/l	60.0-140	83.0			
Surrogate: 1,2-Dichloroethane-d4	"	50.0		53.6	"	76.0-114	107			
<b>Matrix Spike Dup</b>			<b>9090143-MSD1 L909273-02</b>							
Methyl tert-butyl ether	9/30/99	50.0	23.2	66.6	ug/l	60.0-140	86.8	25.0	4.48	
Surrogate: 1,2-Dichloroethane-d4	"	50.0		54.1	"	76.0-114	108			
<b>Batch: 9100006</b>			<b>Date Prepared: 10/1/99</b>			<b>Extraction Method: EPA 5030B [P/T]</b>				
<b>Blank</b>			<b>9100006-BLK1</b>							
Methyl tert-butyl ether	10/1/99			ND	ug/l	2.00				
Surrogate: 1,2-Dichloroethane-d4	"	50.0		50.7	"	76.0-114	101			
<b>LCS</b>			<b>9100006-BS1</b>							
Methyl tert-butyl ether	10/1/99	50.0		42.0	ug/l	70.0-130	84.0			
Surrogate: 1,2-Dichloroethane-d4	"	50.0		50.6	"	76.0-114	101			
<b>Matrix Spike</b>			<b>9100006-MS1 L909270-06</b>							
Methyl tert-butyl ether	10/1/99	50.0	ND	40.9	ug/l	60.0-140	81.8			
Surrogate: 1,2-Dichloroethane-d4	"	50.0		50.0	"	76.0-114	100			
<b>Matrix Spike Dup</b>			<b>9100006-MSD1 L909270-06</b>							
Methyl tert-butyl ether	10/1/99	50.0	ND	42.2	ug/l	60.0-140	84.4	25.0	3.13	
Surrogate: 1,2-Dichloroethane-d4	"	50.0		50.8	"	76.0-114	102			





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Blaine/Chevron Project Number: Chevron 9-0020/1633 Harrison, Oakland Project Manager: Christine Lillie	Sampled: 9/29/99 Received: 9/30/99 Reported: 10/15/99
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**Notes and Definitions**

#	Note
1	Chromatogram Pattern: Gasoline C6-C12
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference





# **Field Data Sheets**





## CHEVRON WELL MONITORING DATA SHEET

Project #: 990929-P1	Station #: 9-0020
Sampler: PA-1	Date: 9-29-99
Well I.D.: MW-15	Well Diameter: (2) 3 4 6 8
Total Well Depth: 26.70	Depth to Water: 20.12
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC 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 Disposable Bailer <input checked="" type="checkbox"/> Middleburg Electric Submersible Extraction Pump Other: _____	Sampling Method: Bailer Disposable Bailer <input checked="" type="checkbox"/> Extraction Port Other: _____
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1	X	3	=	3	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
8:36	70.2	7.1	876.	1	
8:38	69.8	7.0	824.	2	
8:40	69.6	7.0	786.	3	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: 3
Sampling Time: 8:45	Sampling Date: 9-29-99
Sample I.D.: MW-15	Laboratory: Sequoia CORE 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: <span style="float: right;">mg/L</span>	Post-purge: <span style="float: right;">mg/L</span>
O.R.P. (if req'd): Pre-purge: <span style="float: right;">mV</span>	Post-purge: <span style="float: right;">mV</span>

## CHEVRON WELL MONITORING DATA SHEET

Project #: 990929-P1	Station #: 9-0020
Sampler: PA-1	Date: 9-29-99
Well I.D.: MW-13	Well Diameter: (2) 3 4 6 8
Total Well Depth: 27.10	Depth to Water: 20.49
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC 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> * 0.165

Purge Method: Bailer Disposable Bailer ✓ Middleburg Electric Submersible Extraction Pump Other:	Sampling Method: Bailer Disposable Bailer ✓ Extraction Port Other:
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1	X	3	=	3	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
8:58	71.2	7.3	842.	1	
9:00	70.6	7.1	796.	2	
9:03	70.2	7.1	734.	3	

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Gallons actually evacuated: 3
Sampling Time: 9:08	Sampling Date: 9-29-99
Sample I.D.: MW-13	Laboratory: Sequoia CORE 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: <input type="text"/> mg/L Post-purge: <input type="text"/> mg/L
O.R.P. (if req'd):	Pre-purge: <input type="text"/> mV Post-purge: <input type="text"/> mV

## CHEVRON WELL MONITORING DATA SHEET

Project #: 990929-P1	Station #: 9-0020
Sampler: PAUL	Date: 9-29-99
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 26.50	Depth to Water: 16.84
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC 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: <input type="checkbox"/> Bailor <input type="checkbox"/> Disposable Bailor <input type="checkbox"/> Middleburg <input checked="" type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input type="checkbox"/> Bailor <input checked="" type="checkbox"/> Disposable Bailor <input type="checkbox"/> Extraction Port Other: _____
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2	X	3	=	18	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
9:24	70.2	7.0	654.	6	
9:25	69.6	6.9	609.	12	
9:26	69.4	6.9	587.	18	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: 18
Sampling Time: 9:30	Sampling Date: 9-29-99
Sample I.D.: MW-7	Laboratory: Sequoia CORE 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: <input type="text"/> mg/L Post-purge: <input type="text"/> mg/L
O.R.P. (if req'd):	Pre-purge: <input type="text"/> mV Post-purge: <input type="text"/> mV

## CHEVRON WELL MONITORING DATA SHEET

Project #: <u>990929-P1</u>	Station #: <u>9-0020</u>
Sampler: <u>Paul</u>	Date: <u>9-29-99</u>
Well I.D.: <u>MW-9</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth: <u>24.27</u>	Depth to Water: <u>20.41</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> * 0.165

Purge Method: Bailer Disposable Bailer <input checked="" type="checkbox"/> Middleburg Electric Submersible Extractions Pump Other: _____	Sampling Method: Bailer Disposable Bailer <input checked="" type="checkbox"/> Extractions Port Other: _____
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<u>.50</u>	x	<u>3</u>	=	<u>1.5</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
9:41	71.4	7.3	696.	.5	
9:42	71.2	7.2	653.	1	
9:44	70.6	7.2	627.	1.5	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: <u>1.5</u>
Sampling Time: <u>9:50</u>	Sampling Date: <u>9-29-99</u>
Sample I.D.: <u>MW-9</u>	Laboratory: <u>Sequoia</u> CORE N. Creek Assoc. Labs
Analyzed for: <u>(TPH-G BTEX MTBE)</u> TPH-D Other:	
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D Other:
D.O. (if req'd):	Pre-purge: <input type="text"/> mg/L Post-purge: <input type="text"/> mg/L
O.R.P. (if req'd):	Pre-purge: <input type="text"/> mV Post-purge: <input type="text"/> mV

## CHEVRON WELL MONITORING DATA SHEET

Project #: <u>990929-P1</u>	Station #: <u>9-0020</u>
Sampler: <u>PA-1</u>	Date: <u>9-29-99</u>
Well I.D.: <u>MW-16</u>	Well Diameter: <u>(2)</u> 3 4 6 8 <u>    </u>
Total Well Depth: <u>25.95</u>	Depth to Water: <u>20.55</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 Disposable Bailer <input checked="" type="checkbox"/> Middleburg Electric Submersible Extraction Pump Other: _____	Sampling Method: Bailer Disposable Bailer <input checked="" type="checkbox"/> Extraction Port Other: _____
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<u>.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>9:58</u>	<u>72.4</u>	<u>7.2</u>	<u>596.</u>	<u>.75</u>	
<u>10:00</u>	<u>71.8</u>	<u>7.1</u>	<u>542.</u>	<u>1.5</u>	
<u>10:02</u>	<u>71.6</u>	<u>7.1</u>	<u>539.</u>	<u>2.25</u>	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: <u>2.25</u>
Sampling Time: <u>10:07</u>	Sampling Date: <u>9-29-99</u>
Sample I.D.: <u>MW-16</u>	Laboratory: <u>Sequon</u> CORE N. Creek Assoc. Labs
Analyzed for: <u>TPH-G BTEX MTBE</u> 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