



**Chevron**

ENVIRONMENTAL  
PROTECTION

99 OCT 12 PM 4: 26

*800 Center St.  
Oak.*

**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) 842-8370

Date: September 30, 1999  
To: Distribution  
Re: Groundwater Monitoring Report , 206145

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) 842-8695.

Sincerely,

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

September 22, 1999

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

### 3rd Quarter 1999 Monitoring at 206145

Third Quarter 1999 Groundwater Monitoring at  
Former Chevron Service Station Number 206145  
800 Center St.  
Oakland, CA

Monitoring Performed on August 21, 1999

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#### Groundwater Sampling Report 990821-F-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,



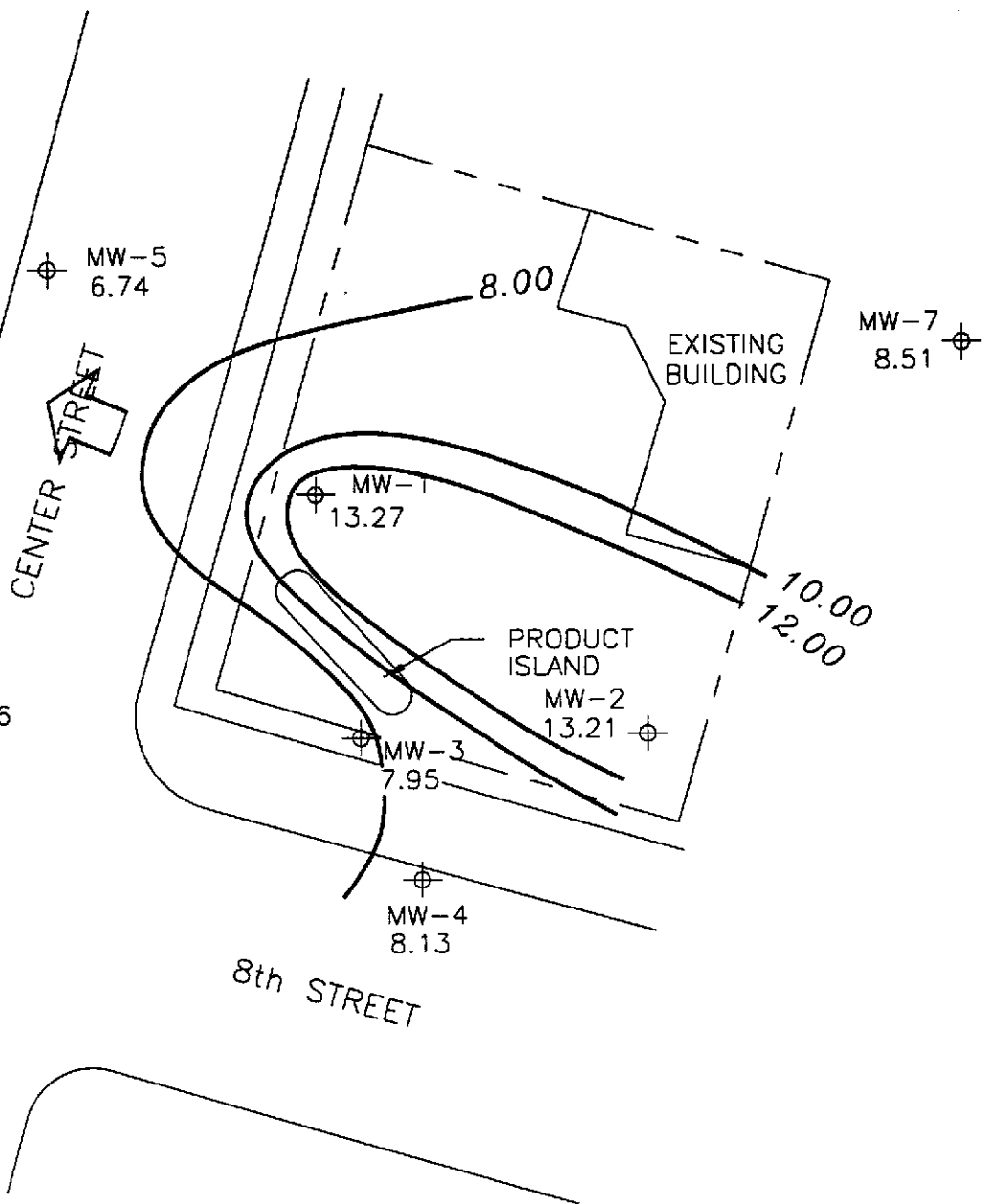
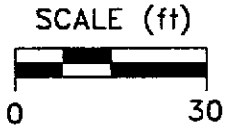
Christine Lillie  
Project Coordinator

CAL/sb



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

cc: Larry Seto, Alameda County Health Care Services  
Terrell A. Sadler  
James Scott, BPH, Inc.  
Hollis Rodgers, c/o Victor E. Brown, Esq.  
David H. Shirley  
Greg Gurss, Gettler-Ryan, Inc.  
James Perkins, Cambria Environmental Technology, Inc.  
Bette Owen, Chevron (w/o enclosure)  
Anne Payne, Chevron (w/o enclosure)

# **Professional Engineering Appendix**



EXPLANATION

-  MONITORING WELL
- 7.93 GROUNDWATER ELEVATION (FT, MSL)
- 8.00 — GROUNDWATER ELEVATION CONTOUR (FT, MSL)
-  APPROXIMATE GROUNDWATER FLOW DIRECTION;  
APPROXIMATE GRADIENT = 0.01



Ref. 206145.dwg  
Basemap from Ron Archer Engineer Inc.

PREPARED BY

**RRM**  
engineering contracting firm

Former Signal Service Station 206145  
800 Center Street  
Oakland, California

GROUNDWATER ELEVATION CONTOUR MAP,  
AUGUST 21, 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	CUB (cfu/ml)
<b>MW-1</b>											
10/27/95	15.69	10.54	5.15	--	170,000	19,000	34,000	4800	26,000	--	--
02/20/97	15.64	8.96	6.68	--	18,000	870	3500	470	2100	<250	--
04/24/97	15.64	7.30	8.34	--	76,000	4600	16,000	1600	8300	1000	--
07/23/97	15.64	5.90	9.74	--	37,000	2700	8000	870	6100	<250	--
10/29/97	15.64	--	--	Inaccessible	--	--	--	--	--	--	--
01/28/98	15.64	9.30	6.34	--	10,000	380	2000	300	1500	<25	--
05/11/98	15.64	8.72	6.92	--	17,000	880	3100	380	2300	<250	--
07/16/98	15.64	7.23	8.41	--	29,000	2700	6800	890	3900	<10.0	--
08/04/98	15.64	6.90	8.74	**	--	--	--	--	--	--	<1.0 x 10 <sup>1</sup>
09/03/98	15.64	6.43	9.21	**/+	--	--	--	--	--	--	4.1 x 10 <sup>3</sup>
10/21/98	15.64	5.59	10.05	***	--	--	--	--	--	--	4.7 x 10 <sup>2</sup>
11/04/98	15.64	5.64	10.00	--	25,000	1900	5900	810	4300	<125	--
01/26/99	15.64	6.86	8.78	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
05/06/99	15.64	8.17	7.47	--	8050	515	1840	256	1190	300	--
05/06/99	15.64	8.17	7.47	Confirmation Run	--	--	--	--	--	<20	--
08/21/99	15.64	13.27	2.37	--	46,500	2530	8700	1010	5300	<1250	--
08/21/99	15.64	13.27	2.37	Confirmation Run	--	--	--	--	--	<40	--

\*\* Contaminate hydrocarbon utilizing bacteria plate count was run with diesel and jet fuel degraders.

\*\*\*Contaminate hydrocarbon utilizing bacteria plate count was run with gasoline degraders.

+ See Table 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	CUB (cfu/ml)
<b>MW-2</b>											
10/27/95	15.77	10.60	5.17	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/97	15.72	8.51	7.21	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/24/97	15.72	7.82	7.90	--	83*	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/23/97	15.72	5.92	9.80	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	15.72	5.13	10.59	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/28/98	15.72	9.21	6.51	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/11/98	15.72	8.82	6.90	Sampled annually	--	--	--	--	--	--	--
07/16/98	15.72	7.37	8.35	--	--	--	--	--	--	--	--
08/04/98	15.72	7.03	8.69	**	--	--	--	--	--	--	1.9 x 10 <sup>1</sup>
09/03/98	15.72	6.44	9.28	**/+	--	--	--	--	--	--	3.0 x 10 <sup>2</sup>
10/21/98	15.72	5.51	10.21	***	--	--	--	--	--	--	8.8 x 10 <sup>2</sup>
11/04/98	15.72	5.60	10.12	--	--	--	--	--	--	--	--
01/26/99	15.72	6.87	8.85	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
05/06/99	15.72	8.20	7.52	--	--	--	--	--	--	--	--
08/21/99	15.72	13.21	2.51	--	--	--	--	--	--	--	--

\* Chromatogram pattern indicates an unidentified hydrocarbon.

\*\* Contaminate hydrocarbon utilizing bacteria plate count was run with diesel and jet fuel degraders.

\*\*\*Contaminate hydrocarbon utilizing bacteria plate count was run with gasoline degraders.

+ See Table 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	CUB (cfu/ml)
<b>MW-3</b>											
10/27/95	15.46	10.37	5.09	--	33,000	11,000	1700	2300	4200	--	--
02/20/97	15.42	8.37	7.05	--	260	56	<1.0	7.6	5.9	<5.0	--
04/24/97	15.42	7.29	8.13	--	1400	310	28	76	75	74	--
07/23/97	15.42	5.84	9.58	--	37,000	10,000	1500	2700	4200	2500	--
10/29/97	15.42	5.09	10.33	--	53,000	12,000	1200	3000	3100	2500	--
01/28/98	15.42	8.94	6.48	--	210	43	1.5	1.7	3.9	10	--
05/11/98	15.42	8.49	6.93	--	59	11	<0.5	2.1	<0.5	<2.5	--
07/16/98	15.42	7.14	8.28	--	260	90	4.8	18	5.7	<10	--
08/04/98	15.42	6.88	8.54	*	--	--	--	--	--	--	8.5 x 10 <sup>2</sup>
09/03/98	15.42	6.34	9.08	*/+	--	--	--	--	--	--	2.4 x 10 <sup>3</sup>
10/21/98	15.42	5.62	9.80	**	--	--	--	--	--	--	6.0 x 10 <sup>1</sup>
11/04/98	15.42	5.60	9.82	--	73,000	17,000	3800	4900	8100	<250	--
01/26/99	15.42	6.70	8.72	--	32,400	10,200	1850	2650	3140	715	--
01/26/99	15.42	6.70	8.72	Confirmation Run	--	--	--	--	--	<500	--
05/06/99	15.42	7.97	7.45	--	3160	668	89.6	180	123	<200	--
05/06/99	15.42	7.97	7.45	Confirmation Run	--	--	--	--	--	<10	--
08/21/99	15.42	7.95	7.47	--	53,800	9700	2040	2880	5000	<1250	--
08/21/99	15.42	7.95	7.47	Confirmation Run	--	--	--	--	--	<40	--

\* Contaminate hydrocarbon utilizing bacteria plate count was run with diesel and jet fuel degraders.

\*\* Contaminate hydrocarbon utilizing bacteria plate count was run with gasoline degraders.

+ See Table 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	CUB (cfu/ml)
<b>MW-4</b>											
10/27/95	14.45	9.37	5.08	--	66	6.8	<0.5	<0.5	<0.5	--	--
02/20/97	14.40	8.12	6.28	--	54	<0.5	<0.5	<0.5	7.4	39	--
04/24/97	14.40	7.29	7.11	--	54	1.4	<0.5	0.65	3.0	100	--
07/23/97	14.40	5.80	8.60	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	14.40	5.74	8.66	Inaccessible	--	--	--	--	--	--	--
11/13/97	14.40	4.97	9.43	--	<50	<0.5	0.79	<0.5	<0.5	<2.5	--
01/28/98	14.40	8.88	5.52	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/11/98	14.40	8.40	6.00	Sampled biannually	--	--	--	--	--	--	--
07/16/98	14.40	7.08	7.32	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
08/04/98	14.40	6.28	8.12	*	--	--	--	--	--	--	1.8 x 10 <sup>4</sup>
09/03/98	14.40	6.32	8.08	*/+	--	--	--	--	--	--	1.4 x 10 <sup>4</sup>
10/21/98	14.40	5.64	8.76	**	--	--	--	--	--	--	8.6 x 10 <sup>4</sup>
11/04/98	14.40	5.61	8.79	--	--	--	--	--	--	--	--
01/26/99	14.40	6.71	7.69	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
05/06/99	14.40	8.15	6.25	--	--	--	--	--	--	--	--
08/21/99	14.40	8.13	6.27	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--

\* Contaminate hydrocarbon utilizing bacteria plate count was run with diesel and jet fuel degraders.

\*\* Contaminate hydrocarbon utilizing bacteria plate count was run with gasoline degraders.

+ See Table 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	CUB (cfu/ml)
<b>MW-5</b>											
01/03/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/97	15.03	--	--	Inaccessible	--	--	--	--	--	--	--
04/24/97	15.03	--	--	Inaccessible	--	--	--	--	--	--	--
04/30/97	15.03	7.06	7.97	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/23/97	15.03	--	--	Inaccessible	--	--	--	--	--	--	--
10/29/97	15.03	--	--	Inaccessible	--	--	--	--	--	--	--
01/28/98	15.03	8.83	6.20	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/11/98	15.03	--	--	Inaccessible	--	--	--	--	--	--	--
07/16/98	15.03	7.28	7.75	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
08/04/98	15.03	--	--	Inaccessible	--	--	--	--	--	--	--
11/04/98	15.03	--	--	Inaccessible	--	--	--	--	--	--	--
01/26/99	15.03	--	--	Inaccessible	--	--	--	--	--	--	--
05/06/99	15.03	--	--	Inaccessible	--	--	--	--	--	--	--
08/21/99	15.03	6.74	8.29	--	<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	CUB (cfu/ml)
<b>MW-6</b>											
01/03/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/97	14.73	8.11	6.62	--	800	310	23	11	28	<12	--
04/24/97	14.73	7.13	7.60	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/23/97	14.73	5.73	9.00	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	14.73	4.98	9.75	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/28/98	14.73	8.19	6.54	--	160	38	<0.5	<0.5	<0.5	<2.5	--
05/11/98	14.73	8.08	6.65	--	1700	490	72	39	52	<25	--
07/16/98	14.73	7.04	7.69	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
08/04/98	14.73	6.89	7.84	*	--	--	--	--	--	--	8.6 x 10 <sup>3</sup>
09/03/98	14.73	6.24	8.49	*/+	--	--	--	--	--	--	2.9 x 10 <sup>3</sup>
10/21/98	14.73	5.46	9.27	**	--	--	--	--	--	--	1.8 x 10 <sup>3</sup>
11/04/98	14.73	5.52	9.21	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/26/99	14.73	6.49	8.24	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
05/06/99	14.73	7.91	6.82	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
08/21/99	14.73	7.93	6.80	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--

\* Contaminate hydrocarbon utilizing bacteria plate count was run with diesel and jet fuel degraders.

\*\*Contaminate hydrocarbon utilizing bacteria plate count was run with gasoline degraders.

+ See Table 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	CUB (cfu/ml)
<b>MW-7</b>											
01/03/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/97	16.36	8.86	7.50	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/24/97	16.36	7.59	8.77	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/23/97	16.36	6.09	10.27	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	16.36	5.28	11.08	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/28/98	16.36	9.10	7.26	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/11/98	16.36	9.11	7.25	Sampled annually	--	--	--	--	--	--	--
07/16/98	16.36	8.00	8.36	--	--	--	--	--	--	--	--
08/04/98	16.36	7.32	9.04	*	--	--	--	--	--	--	$1.5 \times 10^3$
09/03/98	16.36	6.65	9.71	*/+	--	--	--	--	--	--	$6.5 \times 10^2$
10/21/98	16.36	5.96	10.40	**	--	--	--	--	--	--	$4.8 \times 10^3$
11/04/98	16.36	5.89	10.47	--	--	--	--	--	--	--	--
01/26/99	16.36	8.25	8.11	--	<50	<0.5	<0.5	<0.5	0.5	<2.0	--
05/06/99	16.36	8.47	7.89	--	--	--	--	--	--	--	--
08/21/99	16.36	8.51	7.85	--	--	--	--	--	--	--	--

\* Contaminate hydrocarbon utilizing bacteria plate count was run with diesel and jet fuel degraders.

\*\*Contaminate hydrocarbon utilizing bacteria plate count was run with gasoline degraders.

+ See Table 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	CUB (cfu/ml)
<b>TRIP BLANK</b>											
02/20/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/24/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/23/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/28/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/11/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/16/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
11/04/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
01/26/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
05/06/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--

## Cumulative Table of Well Data and Analytical Results

### ADDITIONAL ANALYSES

Analytical values are in parts per billion (ppb)

DATE	Notes	Total Alkalinity	Ferrous Iron	Nitrate as Nitrate	Sulfate	Pre-purge D.O. (mg/L)	Post-purge D.O. (mg/L)	Pre-purge O.R.P. (mV)	Post-purge O.R.P. (mV)
<b>MW-1</b>									
09/03/98	--	230,000	9800	<1000	6100	2.3	1.6	-90	-103
<b>MW-2</b>									
09/03/98	--	390,000	7400	<1000	21,000	2.8	2.5	-206	-163
<b>MW-3</b>									
09/03/98	--	830,000	45,000	<1000	10,000	3.1	0.7	-124	-99
<b>MW-4</b>									
09/03/98	--	--	--	--	--	2.6	1.1	-190	-206
<b>MW-6</b>									
09/03/98	--	94,000	62	28,000	47,000	2.6	3.2	-148	-167
<b>MW-7</b>									
09/03/98	--	170,000	120	7800	57,000	2.7	3.2	-207	-229

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on February 20, 1997.

Earlier field data and analytical results are drawn from the January 24, 1997 Groundwater Technology, Inc. report.

#### ABBREVIATIONS:

TPH = Total Petroleum Hydrocarbons

MTBE = Methyl t-Butyl Ether

ND = Not detected at or above the minimum quantitation limit. See laboratory reports for minimum quantitation limits.

CUB = Contaminate Utilizing Bacteria

# **Analytical Appendix**





# Sequoia Analytical

1551 Industrial Road  
San Carlos, CA 94070-4111  
(650) 232-9600  
FAX (650) 232-9612

September 3, 1999

Christine Lillie  
Blaine Tech Services  
1680 Rogers Avenue  
San Jose, CA 95112

RE: Chevron(8)/L908191

Dear Christine Lillie:

Enclosed are the results of analyses for sample(s) received by the laboratory on August 23, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

for Wayne Stevenson  
Project Manager

CA ELAP Certificate Number I-2360





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(8) Project Number: Chevron 206145/990821-F1 Project Manager: Christine Lillie	Sampled: 8/21/99 Received: 8/23/99 Reported: 9/3/99
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**ANALYTICAL REPORT FOR L908191**

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	L908191-01	Water	8/21/99
MW-3	L908191-02	Water	8/21/99
MW-4	L908191-03	Water	8/21/99
MW-5	L908191-04	Water	8/21/99
MW-6	L908191-05	Water	8/21/99



Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(8) Project Number: Chevron 206145/990821-F1 Project Manager: Christine Lillie	Sampled: 8/21/99 Received: 8/23/99 Reported: 9/3/99
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**Sample Description:** MW-1  
**Laboratory Sample Number:** L908191-01

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	9090007	9/1/99	9/1/99		12500	46500	ug/l	1
Benzene	"	"	"		125	2530	"	
Toluene	"	"	"		125	8700	"	
Ethylbenzene	"	"	"		125	1010	"	
Xylenes (total)	"	"	"		125	5300	"	
Methyl tert-butyl ether	"	"	"		1250	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	70.0-130		78.5	%	

**MTBE by EPA Method 8260A**

Methyl tert-butyl ether	9080147	8/25/99	8/26/99		40.0	ND	ug/l	2
Surrogate: 1,2-Dichloroethane-d4	"	"	"	76.0-114		101	%	





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(8) Project Number: Chevron 206145/990821-F1 Project Manager: Christine Lillie	Sampled: 8/21/99 Received: 8/23/99 Reported: 9/3/99
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**Sample Description:** MW-3  
**Laboratory Sample Number:** L908191-02

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	9090007	9/1/99	9/1/99		12500	53800	ug/l	1
Benzene	"	"	"		125	9700	"	
Toluene	"	"	"		125	2040	"	
Ethylbenzene	"	"	"		125	2880	"	
Xylenes (total)	"	"	"		125	5000	"	
Methyl tert-butyl ether	"	"	"		1250	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	70.0-130		73.7	%	

**MTBE by EPA Method 8260A**

Methyl tert-butyl ether	9080147	8/25/99	8/26/99		40.0	ND	ug/l	2
Surrogate: 1,2-Dichloroethane-d4	"	"	"	76.0-114		101	%	



Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(8) Project Number: Chevron 206145/990821-F1 Project Manager: Christine Lillie	Sampled: 8/21/99 Received: 8/23/99 Reported: 9/3/99
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**Sample Description:** MW-4  
**Laboratory Sample Number:** L908191-03

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
<b>Sequoia Analytical - San Carlos</b>								
<b>Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT</b>								
Purgeable Hydrocarbons as Gasoline	9080172	8/31/99	8/31/99		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</i> -Trifluorotoluene	"	"	"	70.0-130		92.2	%	





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(8) Project Number: Chevron 206145/990821-F1 Project Manager: Christine Lillie	Sampled: 8/21/99 Received: 8/23/99 Reported: 9/3/99
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**Sample Description:** MW-5  
**Laboratory Sample Number:** L908191-04

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	9080172	8/31/99	8/31/99		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</i> -Trifluorotoluene	"	"	"	70.0-130		86.6	%	



Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(8) Project Number: Chevron 206145/990821-F1 Project Manager: Christine Lillie	Sampled: 8/21/99 Received: 8/23/99 Reported: 9/3/99
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**Sample Description:** MW-6  
**Laboratory Sample Number:** L908191-05

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	9080171	8/31/99	9/1/99		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</i> -Trifluorotoluene	"	"	"	70.0-130		92.8	%	





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(8) Project Number: Chevron 206145/990821-F1 Project Manager: Christine Lillie	Sampled: 8/21/99 Received: 8/23/99 Reported: 9/3/99
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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	Reporting Limit Units	Recov. %	RPD Limit	RPD %	Notes*
<b>Batch: 9080171</b>			<b>Date Prepared: 8/31/99</b>		<b>Extraction Method: EPA 5030B [P/T]</b>				
<b>Blank</b>			<b>9080171-BLK1</b>						
Purgeable Hydrocarbons as Gasoline	8/31/99			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		11.2	"	70.0-130	112		
<b>LCS</b>			<b>9080171-BS1</b>						
Purgeable Hydrocarbons as Gasoline	8/31/99	250		268	ug/l	70.0-130	107		
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.88	"	70.0-130	98.8		
<b>Matrix Spike</b>			<b>9080171-MS1 L908171-05</b>						
Purgeable Hydrocarbons as Gasoline	8/31/99	250	ND	261	ug/l	60.0-140	104		
Surrogate: a,a,a-Trifluorotoluene	"	10.0		7.27	"	70.0-130	72.7		
<b>Matrix Spike Dup</b>			<b>9080171-MSD1 L908171-05</b>						
Purgeable Hydrocarbons as Gasoline	8/31/99	250	ND	218	ug/l	60.0-140	87.2	25.0	17.6
Surrogate: a,a,a-Trifluorotoluene	"	10.0		4.90	"	70.0-130	49.0		3
<b>Batch: 9080172</b>			<b>Date Prepared: 8/31/99</b>		<b>Extraction Method: EPA 5030B [P/T]</b>				
<b>Blank</b>			<b>9080172-BLK1</b>						
Purgeable Hydrocarbons as Gasoline	8/31/99			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		9.12	"	70.0-130	91.2		
<b>LCS</b>			<b>9080172-BS1</b>						
Purgeable Hydrocarbons as Gasoline	8/31/99	250		249	ug/l	70.0-130	99.6		
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.48	"	70.0-130	84.8		
<b>Matrix Spike</b>			<b>9080172-MS1 L908191-03</b>						
Purgeable Hydrocarbons as Gasoline	8/31/99	250	ND	243	ug/l	60.0-140	97.2		
Surrogate: a,a,a-Trifluorotoluene	"	10.0		7.21	"	70.0-130	72.1		
<b>Matrix Spike Dup</b>			<b>9080172-MSD1 L908191-03</b>						
Purgeable Hydrocarbons as Gasoline	8/31/99	250	ND	236	ug/l	60.0-140	94.4	25.0	2.92





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(8) Project Number: Chevron 206145/990821-F1 Project Manager: Christine Lillie	Sampled: 8/21/99 Received: 8/23/99 Reported: 9/3/99
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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*
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<b>Matrix Spike Dup (continued)</b>	<b>9080172-MSD1</b>	<b>L908191-03</b>								
Surrogate: a,a,a-Trifluorotoluene	8/31/99	10.0		7.43	ug/l	70.0-130	74.3			

<b>Batch: 9090007</b>	<b>Date Prepared: 9/1/99</b>					<b>Extraction Method: EPA 5030B [P/T]</b>				
<b>Blank</b>	<b>9090007-BLK1</b>									
Purgeable Hydrocarbons as Gasoline	9/1/99			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		8.01	"	70.0-130	80.1			

<b>LCS</b>	<b>9090007-BS1</b>									
Benzene	9/1/99	10.0		7.69	ug/l	70.0-130	76.9			
Toluene	"	10.0		7.70	"	70.0-130	77.0			
Ethylbenzene	"	10.0		7.97	"	70.0-130	79.7			
Xylenes (total)	"	30.0		23.8	"	70.0-130	79.3			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		7.80	"	70.0-130	78.0			

<b>Matrix Spike</b>	<b>9090007-MS1</b>	<b>L908222-01</b>								
Benzene	9/1/99	10.0	ND	7.80	ug/l	60.0-140	78.0			
Toluene	"	10.0	ND	7.90	"	60.0-140	79.0			
Ethylbenzene	"	10.0	ND	8.14	"	60.0-140	81.4			
Xylenes (total)	"	30.0	ND	24.2	"	60.0-140	80.7			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.29	"	70.0-130	82.9			

<b>Matrix Spike Dup</b>	<b>9090007-MSD1</b>	<b>L908222-01</b>								
Benzene	9/1/99	10.0	ND	8.14	ug/l	60.0-140	81.4	25.0	4.27	
Toluene	"	10.0	ND	8.15	"	60.0-140	81.5	25.0	3.12	
Ethylbenzene	"	10.0	ND	8.36	"	60.0-140	83.6	25.0	2.67	
Xylenes (total)	"	30.0	ND	25.1	"	60.0-140	83.7	25.0	3.65	
Surrogate: a,a,a-Trifluorotoluene	"	10.0		7.52	"	70.0-130	75.2			





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(8) Project Number: Chevron 206145/990821-F1 Project Manager: Christine Lillie	Sampled: 8/21/99 Received: 8/23/99 Reported: 9/3/99
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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: 9080147</b>		<b>Date Prepared: 8/25/99</b>			<b>Extraction Method: EPA 5030B [P/T]</b>					
<b>Blank</b>		<b>9080147-BLK1</b>								
Methyl tert-butyl ether	8/25/99			ND	ug/l	2.00				
Surrogate: 1,2-Dichloroethane-d4	"	50.0		50.8	"	76.0-114	102			
<b>Blank</b>		<b>9080147-BLK2</b>								
Methyl tert-butyl ether	8/26/99			ND	ug/l	2.00				
Surrogate: 1,2-Dichloroethane-d4	"	50.0		49.0	"	76.0-114	98.0			
<b>LCS</b>		<b>9080147-BS1</b>								
Methyl tert-butyl ether	8/25/99	50.0		54.9	ug/l	70.0-130	110			
Surrogate: 1,2-Dichloroethane-d4	"	50.0		50.2	"	76.0-114	100			
<b>LCS</b>		<b>9080147-BS2</b>								
Methyl tert-butyl ether	8/26/99	50.0		49.7	ug/l	70.0-130	99.4			
Surrogate: 1,2-Dichloroethane-d4	"	50.0		47.9	"	76.0-114	95.8			
<b>Matrix Spike</b>		<b>9080147-MS1</b>		<b>L908190-01</b>						
Methyl tert-butyl ether	8/25/99	50.0	3.53	55.9	ug/l	60.0-140	105			
Surrogate: 1,2-Dichloroethane-d4	"	50.0		48.4	"	76.0-114	96.8			
<b>Matrix Spike Dup</b>		<b>9080147-MSD1</b>		<b>L908190-01</b>						
Methyl tert-butyl ether	8/25/99	50.0	3.53	52.1	ug/l	60.0-140	97.1	25.0	7.82	
Surrogate: 1,2-Dichloroethane-d4	"	50.0		47.7	"	76.0-114	95.4			





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(8) Project Number: Chevron 206145/990821-F1 Project Manager: Christine Lillie	Sampled: 8/21/99 Received: 8/23/99 Reported: 9/3/99
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### Notes and Definitions

#	Note
1	Chromatogram Pattern: Gasoline C6-C12
2	Sample was diluted due to high non-target compounds.
3	The surrogate recovery for this sample is outside of established control limits. Review of associated QC indicates the recovery for this surrogate does not represent an out-of-control condition.
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

Fax copy of Lab Report and COC to Chevron Contact:  Yes  No

Chain-of-Custody-Record

Chevron Products Co.  
P.O. BOX 6004  
San Ramon, CA 94583  
FAX (925)842-8370

Chevron Facility Number 206145 L908191  
Facility Address 800 Center St., Oakland  
Consultant Project Number 990821 F1  
Consultant Name BLAINE TECH SERVICE, INC.  
Address 1680 ROGERS AVE., SAN JOSE  
Project Contact (Name) CHRISTINE LILLIE  
(Phone) 408-573-0555 (Fax Number) 408-573-7771

Chevron Contact (Name) PHIL BRIGGS  
(Phone) (925) 842-9136  
Laboratory Name SEQUOIA  
Laboratory Service Order 9144488  
Laboratory Service Code ZZ02800  
Samples Collected by (Name) Mike Stewart  
Signature [Signature]

State Method:  CA  OR  WA  NW Series  CO  UT

Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Sample Preservation	Date/Time	State Method: <input type="checkbox"/> CA <input type="checkbox"/> OR <input type="checkbox"/> WA <input type="checkbox"/> NW Series <input type="checkbox"/> CO <input type="checkbox"/> UT													Remarks							
					BTEX/MTBE+TPH GAS (8020 + 8015)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oxygenates (8260)	Purgeable Halocarbons (8010)	Purgeable Organics (8260)	Extractable Organics (8270)	Oil and Grease (8520)	Metals (ICAP or AA) Cd,Cr,Pb,Zn,Ni	BTEX (8020)	BTEX/MTBE/Naph. (8020)	TPH - HClD	TPH-D Extended		Lab Sample No.						
MW-1 ✓	3	W	HCL VOA	8-21 955	X																				
MW-3 ✓				935																					22
MW-4 ✓				915																					
MW-5 ✓				855																					
MW-6 ✓				833																					

Released By (Signature) <u>[Signature]</u>	Organization <u>OTS</u>	Date/Time <u>8/23 9:35</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>SEQUOIA</u>	Date/Time <u>8/23/99</u>	Iced Y/N	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days As Contracted
Signature <u>[Signature]</u>	Organization	Date/Time <u>8/23/99</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>SAMH</u>	Date/Time <u>8/27/99</u>	Iced Y/N	
	Organization	Date/Time	Received For Laboratory By (Signature) <u>[Signature]</u>		Date/Time <u>8/24/99 1200</u>	Iced Y/N	

# **Field Data Sheets**



## CHEVRON WELL MONITORING DATA SHEET

Project #: 990821 E1	Station #: 20614S
Sampler: mtlc <	Date: 8-21-99
Well I.D.: MW-1	Well Diameter: 3 4 6 8
Total Well Depth: 13.52	Depth to Water: 2.37
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVE</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 <input type="checkbox"/> Electric Submersible Extraction Pump Other: _____	Sampling Method: <u>Bailer</u> <input checked="" type="checkbox"/> Disposable Bailer Extraction Port Other: _____
--	--

<u>1.7</u>	x	<u>3</u>	=	<u>5.3</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
945	69.7	6.8	579	2	ODOR
947	69.5	6.8	573	4	
949	69.7	6.9	581	6	

Did well dewater? Yes  No Gallons actually evacuated: 6

Sampling Time: 955 Sampling Date: 8-21-99

Sample I.D.: MW-1 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:	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>090821 F1</u>	Station #: <u>206145</u>
Sampler: <u>Mike S.</u>	Date: <u>8-21-99</u>
Well I.D.: <u>MW-3</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: <u>14.24</u>	Depth to Water: <u>7.47</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVE</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  Middleburg  Electric Submersible  Extraction Pump

Other: \_\_\_\_\_

Sampling Method:  Bailer  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
927	71.1	6.8	1429	1	Turbid /
929	70.9	6.8	1420	2	
931	70.7	6.8	1419	3	

Did well dewater? Yes  No  Gallons actually evacuated: 3

Sampling Time: 935 Sampling Date: 8-21-99

Sample I.D.: MW-3 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:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV



## CHEVRON WELL MONITORING DATA SHEET

Project #: 990821 E1	Station #: 20614S
Sampler: Mike S.	Date: 8-21-99
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8
Total Well Depth: 13.47	Depth to Water: 6.27
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  Middleburg  Electric Submersible  Extraction Pump

Other: \_\_\_\_\_

Sampling Method:  Bailer  Disposable Bailer  Extraction Port

Other: \_\_\_\_\_

1.1	x	3	=	3.4	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
907	71.1	6.8	674	1.1	
909	71.0	6.8	671	2	
911	71.1	6.8	673	4	

Did well dewater? Yes  No  Gallons actually evacuated: 4

Sampling Time: 9:45 Sampling Date: 8-21-99

Sample I.D.: MW-4 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 #: <u>990821 E1</u>	Station #: <u>208145</u>
Sampler: <u>Mike S.</u>	Date: <u>8-21-99</u>
Well I.D.: <u>MW-5</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: <u>19.11</u>	Depth to Water: <u>8.29</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  
 Middleburg  
 Electric Submersible  
 Extraction Pump  
 Other: \_\_\_\_\_

Sampling Method:  Bailer  
 Disposable Bailer  
 Extraction Port  
 Other: \_\_\_\_\_

<u>1.7</u>	X	<u>3</u>	=	<u>5.1</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
847	70.0	7.2	874	2	
849	69.6	7.2	871	4	
851	69.7	7.1	877	6	

Did well dewater? Yes  No  Gallons actually evacuated: 6

Sampling Time: 855 Sampling Date: 8-21-99

Sample I.D.: MW-5 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:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

# CHEVRON WELL MONITORING DATA SHEET

Project #: 990821 F1	Station #: 206145
Sampler: mile S.	Date: 8-21-99
Well I.D.: MW-6	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: 19.69	Depth to Water: 6.80
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  Middleburg  Electric Submersible  Extraction Pump

Other: \_\_\_\_\_

Sampling Method:  Bailer  Disposable Bailer  Extraction Port

Other: \_\_\_\_\_

<u>2.0</u>	x	<u>3</u>	=	<u>6.1</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
825	64.7	5.9	749	2	
827	70.1	6.1	751	5	
829	70.0	6.1	759	7	

Did well dewater? Yes  No  Gallons actually evacuated: 7

Sampling Time: 833 Sampling Date: 8-21-99

Sample I.D.: MW-6 Laboratory: Sequonia 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:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV