



**Chevron**

99 MAR -1 PM 4:47

February 25, 1999

**Chevron Products Company**  
6001 Bollinger Canyon Road  
Building L, Room 1110  
PO Box 6004  
San Ramon, CA 94583-0904

Ms. Eva Chu  
Alameda County Health Care Services  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**Philip R. Briggs**  
Project Manager  
Site Assessment & Remediation  
Phone 925 842-9136  
Fax 925 842-8370

**Re: Former Chevron Service Station #9-7127  
Interstate 580 and Grantline Road  
near Tracy, California**

Dear Ms. Chu:

Enclosed is the Semi-Annual (Fourth Quarter) Groundwater Monitoring report for 1998, prepared by our consultant Blaine Tech Services Inc. for the above noted facility. This is a change in consultants from the previous sampling event. Ground water samples were analyzed for TPH-g, BTEX and MtBE constituents. Monitoring wells MW-2, MW-5, MW-7 and MW-8 are sampled annually in May, the remaining wells are sampled semi-annually in May and November. The water supply well is sampled annually in November.

Monitoring well MW-6 was below method detection limits for the BTEX and MtBE constituents while wells MW-1 and MW-3 showed a decrease in the benzene constituent from the previous sampling event.

The casing for monitoring well MW-4 was damaged by a vehicle and debris/dirt got into the well and therefore it was not sampled. Chevron will make an effort to clear the well of the debris/dirt, as the well depth is at 26.25 and should be 40 feet.

The supply well was sampled this time and the results were below method detection limits for all of the constituents.

Oxygen Releasing Compound (ORC) was installed in wells MW-1, MW-3 and MW-4 in August of 1998. It appears that the ORC has helped in the natural attenuation process as wells MW-1 and MW-3 both show a decline in the benzene constituent. However, additional sampling will be required to confirm this.


February 25, 1999  
Ms. Eva Chu  
Former Chevron Service Station #9-7127  
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In the next sampling event, bio-parameters will be taken for all wells to determine if natural attenuation is still occurring and if it increasing due to the addition of ORC's.

Groundwater depth varied from 10.32 feet to 27.54 feet below grade, with a direction of flow varying northeasterly from MW-8 to MW-5, northwesterly from MW-7 to MW-5 and southeasterly from MW-3 to MW-5.

Chevron will continue to sample the wells based on the sampling program noted above. If you have any questions or comments call me at (925) 842-9136.

Sincerely,  
**CHEVRON PRODUCTS COMPANY**

  
Philip R. Briggs  
Site Assessment and Remediation Project Manager

Enclosure

Cc. Ms. Bette Owen, Chevron

Mr. John Moody  
RWQCB-Central Valley Region  
3443 Routier Road  
Sacramento, CA 95827-3098

Mr. Ardavan Onori  
29310 Union City Blvd.  
Union City, CA 94587

Mr. & Mrs. Joe Jess  
Jess Ranch  
Route 5, Box 704-A  
Tracy, CA 95376

Mr. Ross Tinline  
Pacific Environmental Group  
2025 Gateway Place, Suite 440  
San Jose, CA 95110

**BLAINE**  
TECH SERVICES INC.



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

February 23, 1999

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

#### 4th Quarter 1998 Monitoring at 9-7127

Fourth Quarter 1998 Groundwater Monitoring at  
Former Chevron Service Station Number 9-7127  
I-580 & Grantline Rd.  
Tracy, CA

Monitoring Performed on November 23 and  
December 23, 1998

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#### Groundwater Sampling Report 981123-J-3

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,

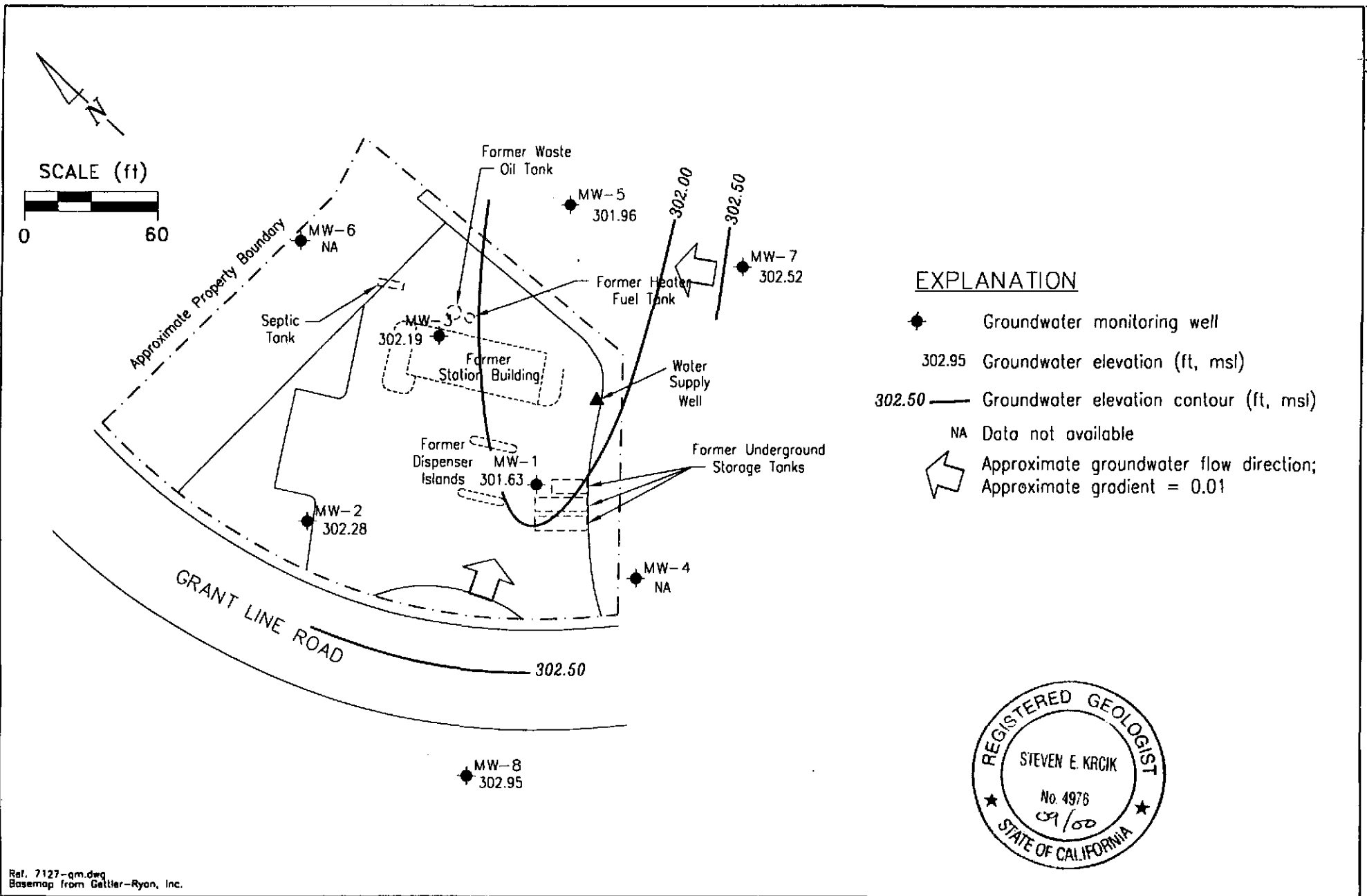


Christine Lillie  
Project Coordinator

FPT/sb

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

# **Professional Engineering Appendix**



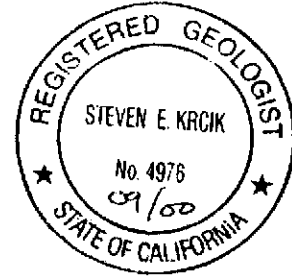
Ref. 7127-gm.dwg  
 Basemap from Gellier-Ryan, Inc.

PREPARED BY  
**RRM**  
 engineering contracting firm

**Former Chevron Station 9-7127**  
 Interstate 580 and Grant Line Road  
 Tracy, California

**GROUNDWATER ELEVATION CONTOUR MAP,**  
 NOVEMBER 23, 1998

**FIGURE:**  
 1  
**PROJECT:**  
 DAC04



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

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Volumetric Measurements are in gallons.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE
<b>MW-1</b>													
02/15/94	329.17	299.40	29.77	--	--	--	--	99,000	20,000	24,000	2000	9800	--
04/21/94	329.17	299.32	29.85	--	--	--	--	--	--	--	--	--	--
06/01/94	329.17	299.25	29.92	--	--	--	--	56,000	12,000	15,000	1100	5800	--
06/28/94	329.17	299.02	30.15	--	--	--	--	--	--	--	--	--	--
07/19/94	329.17	308.87	20.30	--	--	--	--	--	--	--	--	--	--
09/02/94	329.17	298.96	30.61	0.5	--	--	--	--	--	--	--	--	--
09/12/94	329.17	298.04	31.66	0.66	--	--	--	--	--	--	--	--	--
10/12/94	329.17	298.70	31.70	1.54	--	--	--	--	--	--	--	--	--
11/30/94	329.17	299.84	29.95	0.77	--	--	--	--	--	--	--	--	--
03/09/95	329.17	299.88	29.54	0.31	--	--	--	--	--	--	--	--	--
04/18/95	329.17	300.16	29.01	--	--	--	--	--	--	--	--	--	--
05/17/95	329.17	300.08	29.09	--	--	--	--	130,000	22,000	30,000	2000	10,000	--
06/07/95	329.17	299.93	29.24	--	--	--	--	--	--	--	--	--	--
07/21/95	329.17	299.51	29.66	--	--	--	--	--	--	--	--	--	--
08/15/95	329.17	299.30	29.87	--	--	--	--	41,000	9400	12,000	1400	7700	--
09/07/95	329.17	299.32	29.85	--	--	--	--	--	--	--	--	--	--
10/09/95	329.17	299.16	30.01	--	--	--	--	--	--	--	--	--	--
11/15/95	329.17	299.29	29.88	--	--	--	--	68,000	15,000	9600	1100	5500	<2000
12/30/95	329.17	299.18	29.99	--	--	--	--	--	--	--	--	--	--
01/29/96	329.17	299.85	29.32	Sheen	--	--	--	--	--	--	--	--	--
02/27/96	329.17	300.66	28.51	--	--	--	--	520	48	71	<0.5	27	28
03/05/96	329.17	300.73	28.44	--	--	--	--	--	--	--	--	--	--
04/23/96	329.17	300.97	28.20	--	--	--	--	--	--	--	--	--	--
05/30/96	329.17	300.70	28.47	--	--	--	--	57,000	15,000	11,000	1100	4900	<250
06/19/96	329.17	300.74	28.43	--	--	--	--	--	--	--	--	--	--
07/15/96	329.17	300.51	28.66	Sheen	--	--	--	--	--	--	--	--	--
08/27/96	329.17	300.44	28.73	--	--	--	--	74,000	11,000	9500	790	3600	<120
09/09/96	329.17	300.32	28.85	--	--	--	--	--	--	--	--	--	--
10/28/96	329.17	300.64	28.53	Sheen	--	--	--	--	--	--	--	--	--
11/11/96	329.17	300.40	28.77	--	--	--	--	69,000	13,000	9100	810	3200	<250

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## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Volumetric Measurements are in gallons.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE
<b>MW-1 (CONT'D)</b>													
05/06/97	329.17	301.05	28.12	--	--	--	--	98,000	23,000	17,000	1100	5200	<500
07/27/97	329.17	300.99	28.18	--	--	--	*	--	--	--	--	--	--
11/18/97	329.17	300.44	28.73	--	--	--	--	58,000	19,000	9700	1100	4,000	<500
05/31/98	329.17	302.14	27.03	0.05	--	--	*	180,000	25,000	25,000	1700	9300	19,000
05/31/98	329.17	302.14	27.03	0.05	--	--	Confirmation run	--	--	--	--	--	<500
08/12/98	329.17	301.99	27.18	--	--	--	ORC installed*	--	--	--	--	--	--
11/23/98	329.17	301.63	27.54	--	--	--	--	131,000	14,600	23,700	1990	13,600	<200

\* See Table of Additional Analyses.

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.				Volumetric Measurements are in gallons.				Analytical results are in parts per billion (ppb)					
DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE
<b>MW-2</b>													
02/15/94	327.22	300.13	27.09	--	--	--	--	83	21	6.0	1.0	3.0	--
04/21/94	327.22	299.41	27.81	--	--	--	--	--	--	--	--	--	--
06/01/94	327.22	299.24	27.98	--	--	--	--	<50	1.3	0.5	<0.5	<0.5	--
06/28/94	327.22	299.05	28.17	--	--	--	--	--	--	--	--	--	--
07/19/94	327.22	298.87	28.35	--	--	--	--	--	--	--	--	--	--
09/02/94	327.22	298.70	28.52	--	--	--	--	82	13	16	3.6	14	--
09/12/94	327.22	298.66	28.56	--	--	--	--	--	--	--	--	--	--
10/12/94	327.22	298.60	28.62	--	--	--	--	--	--	--	--	--	--
11/30/94	327.22	298.84	28.38	--	--	--	--	<50	3.6	4.5	1.0	4.5	--
03/09/95	327.22	299.81	27.41	--	--	--	--	--	--	--	--	--	--
04/18/95	327.22	300.43	26.79	--	--	--	--	--	--	--	--	--	--
05/17/95	327.22	300.27	26.95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/07/95	327.22	300.16	27.06	--	--	--	--	--	--	--	--	--	--
07/21/95	327.22	299.75	27.47	--	--	--	--	--	--	--	--	--	--
08/15/95	327.22	299.65	27.57	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/07/95	327.22	298.53	28.69	--	--	--	--	--	--	--	--	--	--
10/09/95	327.22	299.37	27.85	--	--	--	--	--	--	--	--	--	--
11/15/95	327.22	299.31	27.91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
12/30/95	327.22	299.62	27.60	--	--	--	--	--	--	--	--	--	--
01/29/96	327.22	300.06	27.16	--	--	--	--	--	--	--	--	--	--
02/27/96	327.22	300.97	26.25	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
03/05/96	327.22	300.52	26.70	--	--	--	--	--	--	--	--	--	--
04/23/96	327.22	301.40	25.82	--	--	--	--	--	--	--	--	--	--
05/30/96	327.22	301.06	26.16	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
06/19/96	327.22	300.95	26.27	--	--	--	--	--	--	--	--	--	--
07/15/96	327.22	300.76	26.46	--	--	--	--	--	--	--	--	--	--
08/27/96	327.22	300.50	26.72	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/06/96	327.22	300.42	26.80	--	--	--	--	--	--	--	--	--	--
10/28/96	327.22	300.39	26.83	--	--	--	--	--	--	--	--	--	--
11/11/96	327.22	300.50	26.72	--	--	--	--	--	--	--	--	--	--

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## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Volumetric Measurements are in gallons.

Analytical results are in parts per billion (ppb)

DATE	Vertical Measurements are in feet.			Volumetric Measurements are in gallons.				Notes	Analytical results are in parts per billion (ppb)					
	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	TPH-Gasoline		Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	
<b>MW-2 (CONT'D)</b>														
05/06/97	327.22	301.21	26.01	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
07/27/97	327.22	300.84	26.38	--	--	--	*	--	--	--	--	--	--	--
11/18/97	327.22	300.72	26.50	--	--	--	--	--	--	--	--	--	--	--
05/31/98	327.22	302.75	24.47	--	--	--	*	--	<50	<0.3	<0.3	<0.3	<0.6	<10
11/23/98	327.22	302.28	24.94	--	--	--	Sampled annually	--	--	--	--	--	--	--

\* See Table of Additional Analyses.

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Volumetric Measurements are in gallons.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE
<b>MW-3</b>													
02/15/94	329.28	299.41	29.87	--	--	--	--	23,000	11,000	1700	540	1000	--
04/21/94	329.28	299.32	29.96	--	--	--	--	--	--	--	--	--	--
06/01/94	329.28	299.17	30.11	--	--	--	--	27,000	12,000	2600	600	2200	--
06/28/94	329.28	298.97	30.31	--	--	--	--	--	--	--	--	--	--
07/19/94	329.28	298.78	30.50	--	--	--	--	--	--	--	--	--	--
09/02/94	329.28	298.67	30.61	--	--	--	--	34,000	16,000	4100	770	3000	--
09/12/94	329.28	298.63	30.65	--	--	--	--	--	--	--	--	--	--
10/12/94	329.28	298.54	30.74	--	--	--	--	--	--	--	--	--	--
11/30/94	329.28	298.84	30.44	--	--	--	--	33,000	16,000	3000	740	2400	--
03/09/95	329.28	299.75	29.53	--	--	--	--	--	--	--	--	--	--
04/18/95	329.28	300.31	28.97	--	--	--	--	--	--	--	--	--	--
05/17/95	329.28	300.09	29.19	--	--	--	--	27,000	10,000	760	490	1000	--
06/07/95	329.28	300.04	29.24	--	--	--	--	--	--	--	--	--	--
07/21/95	329.28	299.58	29.70	--	--	--	--	--	--	--	--	--	--
08/15/95	329.28	299.50	29.78	--	--	--	--	39,000	13,000	2900	700	1700	--
09/07/95	329.28	299.42	29.86	--	--	--	--	--	--	--	--	--	--
10/09/95	329.28	299.26	30.02	--	--	--	--	--	--	--	--	--	--
11/15/95	329.28	299.22	30.06	--	--	--	--	21,000	8000	2900	430	1500	<1000
12/30/95	329.28	299.53	29.75	--	--	--	--	--	--	--	--	--	--
01/29/96	329.28	300.06	29.22	--	--	--	--	--	--	--	--	--	--
02/27/96	329.28	300.85	28.43	--	--	--	--	<2500	5000	500	220	130	710
03/05/96	329.28	300.93	28.35	--	--	--	--	--	--	--	--	--	--
04/23/96	329.28	301.18	28.10	--	--	--	--	--	--	--	--	--	--
05/30/96	329.28	300.86	28.42	--	--	--	--	37,000	13,000	7200	870	2900	<120
06/19/96	329.28	300.77	28.51	--	--	--	--	--	--	--	--	--	--
07/15/96	329.28	300.65	28.63	--	--	--	--	--	--	--	--	--	--
08/27/96	329.28	300.38	28.90	--	--	--	--	50,000	9500	6900	740	2900	<120
09/06/96	329.28	300.30	28.98	--	--	--	--	--	--	--	--	--	--
10/28/96	329.28	300.30	28.98	--	--	--	--	--	--	--	--	--	--
11/11/96	329.28	300.44	28.84	--	--	--	--	52,000	11,000	5500	780	3000	<250

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## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Volumetric Measurements are in gallons.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE
<b>MW-3 (CONT'D)</b>													
05/06/97	329.28	301.06	28.22	--	--	--	--	93,000	23,000	15,000	1400	6200	<500
07/27/97	329.28	300.70	28.58	--	--	--	*	--	--	--	--	--	--
11/18/97	329.28	300.58	28.70	--	--	--	--	81,000	29,000	17,000	1600	6700	<500
05/31/98	329.28	302.60	26.68	--	--	--	*	78,000	24,000	12,000	1200	5800	1300
05/31/98	329.28	302.60	26.68	--	--	--	Confirmation run	--	--	--	--	--	<500
08/12/98	329.28	302.25	27.03	--	--	--	ORC's installed*	--	--	--	--	--	--
11/23/98	329.28	302.19	27.09	--	--	--	--	97,200	17,900	12,800	1200	6950	<100

\* See Table of Additional Analyses.

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.			Volumetric Measurements are in gallons.				Analytical results are in parts per billion (ppb)						
DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE
<b>MW-4</b>													
05/21/93	--	--	--	--	--	--	--	<50	12	2.0	<0.5	1.0	--
11/05/93	--	--	--	--	--	--	--	300	56	10	0.8	3.0	--
02/15/94	329.44	299.54	29.90	--	--	--	--	260	47	12	2.0	4.0	--
04/21/94	329.44	299.45	29.99	--	--	--	--	--	--	--	--	--	--
06/01/94	329.44	299.30	30.14	--	--	--	--	860	200	23	2.8	9.6	--
06/28/94	329.44	299.12	30.32	--	--	--	--	--	--	--	--	--	--
07/19/94	329.44	298.94	30.50	--	--	--	--	--	--	--	--	--	--
09/02/94	329.44	298.82	30.62	--	--	--	--	1700	250	27	6.4	15	--
09/12/94	329.44	298.75	30.69	--	--	--	--	--	--	--	--	--	--
10/12/94	329.44	298.69	30.75	--	--	--	--	--	--	--	--	--	--
11/30/94	329.44	298.93	30.51	--	--	--	--	830	350	29	8.1	22	--
03/09/95	329.44	299.83	29.61	--	--	--	--	--	--	--	--	--	--
04/18/95	329.44	300.36	29.08	--	--	--	--	--	--	--	--	--	--
05/17/95	329.44	300.22	29.22	--	--	--	--	470	200	2.2	0.9	2.1	--
06/07/95	329.44	300.17	29.27	--	--	--	--	--	--	--	--	--	--
07/21/95	329.44	299.72	29.72	--	--	--	--	--	--	--	--	--	--
08/15/95	329.44	299.67	29.77	--	--	--	--	100	4.2	0.8	<0.5	<0.5	--
09/07/95	329.44	299.59	29.85	--	--	--	--	--	--	--	--	--	--
10/09/95	329.44	299.42	30.02	--	--	--	--	--	--	--	--	--	--
11/15/95	329.44	299.39	30.05	--	--	--	--	270	94	9.4	0.77	4.3	27
12/30/95	329.44	299.65	29.79	--	--	--	--	--	--	--	--	--	--
01/29/96	329.44	300.13	29.31	--	--	--	--	--	--	--	--	--	--
02/27/96	329.44	300.86	28.58	--	--	--	--	690	100	15	<0.5	2.0	79
03/05/96	329.44	300.89	28.55	--	--	--	--	--	--	--	--	--	--
04/23/96	329.44	301.29	28.15	--	--	--	--	--	--	--	--	--	--
05/30/96	329.44	301.04	28.40	--	--	--	--	700	240	4.0	0.6	3.9	<5.0
06/19/96	329.44	300.97	28.47	--	--	--	--	--	--	--	--	--	--
07/15/96	329.44	300.82	28.62	--	--	--	--	--	--	--	--	--	--
08/27/96	329.44	300.59	28.85	--	--	--	--	<50	11	<0.5	<0.5	<0.5	<5.0
09/06/96	329.44	300.52	28.92	--	--	--	--	--	--	--	--	--	--
10/28/96	329.44	300.54	28.90	--	--	--	--	--	--	--	--	--	--
11/11/96	329.44	300.66	28.78	--	--	--	--	240	57	1.4	0.7	1.8	<5.0

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## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Volumetric Measurements are in gallons.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE
<b>MW-4 (CONT'D)</b>													
05/06/97	329.44	301.33	28.11	--	--	--	--	240	74	2.7	<0.5	1.6	<5.0
07/27/97	329.44	301.01	28.43	--	--	--	*	--	--	--	--	--	--
11/18/97	329.44	300.86	28.58	--	--	--	--	270	230	3.5	1.0	1.6	<2.5
05/31/98	329.44	302.91	26.53	--	--	--	*	1000	450	3.4	4.5	<6.0	<20
08/12/98	329.44	302.62	26.82	--	--	--	ORC's installed*	--	--	--	--	--	--
11/23/98	329.44	305.52	23.92	--	--	--	**	--	--	--	--	--	--
12/23/98	329.44	305.25	24.19	--	--	--	** <i>damaged, not sampled</i>	--	--	--	--	--	--

\* See Table of Additional Analyses.

\*\* Well was not sampled due to damaged casing and debris in well. Ground water elevation is an estimate.

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Volumetric Measurements are in gallons.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE
<b>MW-5</b>													
05/25/93	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	0.9	--
11/05/93	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
02/15/94	312.88	287.78	25.10	--	--	--	--	<50	<0.5	1.0	<0.5	1.0	--
04/21/94	312.88	299.67	13.21	--	--	--	--	--	--	--	--	--	--
06/01/94	312.88	299.49	13.39	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/28/94	312.88	299.15	13.73	--	--	--	--	--	--	--	--	--	--
07/19/94	312.88	299.08	13.80	--	--	--	--	--	--	--	--	--	--
09/02/94	312.88	298.86	14.02	--	--	--	--	<50	3.2	1.8	<0.5	2.1	--
09/12/94	312.88	298.85	14.03	--	--	--	--	--	--	--	--	--	--
10/12/94	312.88	298.73	14.15	--	--	--	--	--	--	--	--	--	--
11/30/94	312.88	298.97	13.91	--	--	--	*	<50	<0.5	<0.5	<0.5	<0.5	--
03/09/95	312.88	299.91	12.97	--	--	--	--	--	--	--	--	--	--
04/18/95	312.88	300.40	12.48	--	--	--	--	--	--	--	--	--	--
05/17/95	312.88	300.17	12.71	--	--	--	--	150	1.0	<0.5	<0.5	<0.5	--
06/07/95	312.88	300.03	12.85	--	--	--	--	--	--	--	--	--	--
07/21/95	312.88	299.58	13.30	--	--	--	--	--	--	--	--	--	--
08/15/95	312.88	299.47	13.41	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/07/95	312.88	299.46	13.42	--	--	--	--	--	--	--	--	--	--
10/09/95	312.88	299.27	13.61	--	--	--	--	--	--	--	--	--	--
11/15/95	312.88	299.25	13.63	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
12/30/95	312.88	299.58	13.30	--	--	--	--	--	--	--	--	--	--
01/29/96	312.88	300.13	12.75	--	--	--	--	--	--	--	--	--	--
02/27/96	312.88	300.86	12.02	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
03/05/96	312.88	300.92	11.96	--	--	--	--	--	--	--	--	--	--
04/23/96	312.88	301.11	11.77	--	--	--	--	--	--	--	--	--	--
05/30/96	312.88	300.71	12.17	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
06/19/96	312.88	300.63	12.25	--	--	--	--	--	--	--	--	--	--
07/15/96	312.88	300.49	12.39	--	--	--	--	--	--	--	--	--	--
08/27/96	312.88	300.23	12.65	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/06/96	312.88	300.20	12.68	--	--	--	--	--	--	--	--	--	--
10/28/96	312.88	300.16	12.72	--	--	--	--	--	--	--	--	--	--
11/11/96	312.88	300.27	12.61	--	--	--	--	--	--	--	--	--	--

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## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.				Volumetric Measurements are in gallons.				Analytical results are in parts per billion (ppb)					
DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE
<b>MW-5 (CONT'D)</b>													
05/06/97	312.88	300.82	12.06	--	--	--	--	<50	2.2	2.0	<0.5	1.7	<5.0
07/27/97	312.88	300.49	12.39	--	--	--	**	--	--	--	--	--	--
11/18/97	312.88	300.43	12.45	--	--	--	--	--	--	--	--	--	--
05/31/98	312.88	302.30	10.58	--	--	--	**	<50	<0.3	<0.3	<0.3	<0.6	<10
11/23/98	312.88	301.96	10.92	--	--	--	Sampled annually	--	--	--	--	--	--

\* Analytical results are estimated.

\*\* See Table of Additional Analyses.

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.				Volumetric Measurements are in gallons.				Analytical results are in parts per billion (ppb)					
DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE
<b>MW-6</b>													
12/30/95	312.20	298.55	13.65	--	--	--	--	--	--	--	--	--	--
01/29/96	312.20	300.02	12.18	--	--	--	--	--	--	--	--	--	--
02/27/96	312.20	300.75	11.45	--	--	--	--	70	1.1	<0.5	<0.5	<0.5	<5.0
03/05/96	312.20	300.88	11.32	--	--	--	--	--	--	--	--	--	--
04/23/96	312.20	301.08	11.12	--	--	--	--	--	--	--	--	--	--
05/30/96	312.20	300.75	11.45	--	--	--	--	60	1.3	<0.5	<0.5	0.9	<5.0
06/19/96	312.20	300.66	11.54	--	--	--	--	--	--	--	--	--	--
07/15/96	312.20	300.44	11.76	--	--	--	--	--	--	--	--	--	--
08/27/96	312.20	300.25	11.95	--	--	--	--	90	1.6	<0.5	<0.5	<0.5	<5.0
09/06/96	312.20	300.18	12.02	--	--	--	--	--	--	--	--	--	--
10/28/96	312.20	300.19	12.01	--	--	--	--	--	--	--	--	--	--
11/11/96	312.20	300.30	11.90	--	--	--	--	110*	<0.5	<0.5	<0.5	<0.5	<5.0
05/06/97	312.20	300.92	11.28	--	--	--	--	170	<0.5	<0.5	<0.5	<0.5	<5.0
07/27/97	312.20	300.52	11.68	--	--	--	**	--	--	--	--	--	--
11/18/97	312.20	300.43	11.77	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/31/98	312.20	302.39	9.81	--	--	--	**	<50	0.89	0.65	<0.3	<0.6	<10
11/23/98	312.20	--	--	--	--	--	Unable to locate	--	--	--	--	--	--
12/23/98	312.20	301.88	10.32	--	--	--	--	66	<0.5	<0.5	<0.5	<0.5	<2.5

\* Chromatogram pattern indicates an unidentified hydrocarbon.

\*\* See Table of Additional Analyses.

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.			Volumetric Measurements are in gallons.				Analytical results are in parts per billion (ppb)						
DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE
<b>MW-7</b>													
12/30/95	313.36	300.98	12.38	--	--	--	--	--	--	--	--	--	--
01/29/96	313.36	300.22	13.14	--	--	--	--	--	--	--	--	--	--
02/27/96	313.36	301.02	12.34	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
03/05/96	313.36	301.01	12.35	--	--	--	--	--	--	--	--	--	--
04/23/96	313.36	301.23	12.13	--	--	--	--	--	--	--	--	--	--
05/30/96	313.36	300.94	12.42	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
06/19/96	313.36	300.79	12.57	--	--	--	--	--	--	--	--	--	--
07/15/96	313.36	300.66	12.70	--	--	--	--	--	--	--	--	--	--
08/27/96	313.36	300.51	12.85	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/06/96	313.36	300.46	12.90	--	--	--	--	--	--	--	--	--	--
10/28/96	313.36	300.52	12.84	--	--	--	--	--	--	--	--	--	--
11/11/96	313.36	300.61	12.75	--	--	--	--	--	--	--	--	--	--
05/06/97	313.36	301.22	12.14	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
07/27/97	313.36	300.91	12.45	--	--	--	*	--	--	--	--	--	--
11/18/97	313.36	300.82	12.54	--	--	--	--	--	--	--	--	--	--
05/31/98	313.36	302.61	10.75	--	--	--	*	<50	<0.3	<0.3	<0.3	<0.6	<10
11/23/98	313.36	302.52	10.84	--	--	--	Sampled annually	--	--	--	--	--	--

\* See Table of Additional Analyses.

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Volumetric Measurements are in gallons.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE
<b>MW-8</b>													
12/30/95	329.91	299.61	30.30	--	--	--	--	--	--	--	--	--	--
01/29/96	329.91	300.35	29.56	--	--	--	--	--	--	--	--	--	--
02/27/96	329.91	301.23	28.68	--	--	--	--	<50	<0.5	<0.5	<0.5	<5.0	<5.0
03/05/96	329.91	301.16	28.75	--	--	--	--	--	--	--	--	--	--
04/23/96	329.91	301.66	28.25	--	--	--	--	--	--	--	--	--	--
05/30/96	329.91	301.47	28.44	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
06/19/96	329.91	301.40	28.51	--	--	--	--	--	--	--	--	--	--
07/15/96	329.91	301.24	28.67	--	--	--	--	--	--	--	--	--	--
08/27/96	329.91	300.99	28.92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
09/06/96	329.91	300.92	28.99	--	--	--	--	--	--	--	--	--	--
10/28/96	329.91	300.85	29.06	--	--	--	--	--	--	--	--	--	--
11/11/96	329.91	300.93	28.98	--	--	--	--	--	--	--	--	--	--
05/06/97	329.91	301.77	28.14	--	--	--	--	<50	3.6	3.1	0.7	2.5	<5.0
07/27/97	329.91	301.36	28.55	--	--	--	*	--	--	--	--	--	--
11/18/97	329.91	301.11	28.80	--	--	--	--	--	--	--	--	--	--
05/31/98	329.91	303.34	26.57	--	--	--	*	<50	<0.3	<0.3	<0.3	<0.6	<10
11/23/98	329.91	302.95	26.96	--	--	--	Sampled annually	--	--	--	--	--	--
<b>SUPPLY WELL</b>													
11/15/95	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
11/11/96	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
07/27/97	--	--	--	--	--	--	*	--	--	--	--	--	--
11/18/97	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/31/98	--	--	--	--	--	--	--	--	--	--	--	--	--
11/23/98	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0

\* See Table of Additional Analyses.

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Volumetric Measurements are in gallons.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE
<b>TRIP BLANK</b>													
02/15/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/01/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/02/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/30/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
05/17/95	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
08/15/95	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/15/95	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
02/27/96	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
05/30/96	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
08/27/96	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
11/11/96	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
05/06/97	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
07/27/97	--	--	--	--	--	--	--	--	--	--	--	--	--
11/18/97	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/31/98	--	--	--	--	--	--	--	<50	<0.3	<0.3	<0.3	<0.6	<10
11/23/98	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0
<b>BAILER BLANK</b>													
02/15/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--

## Cumulative Table of Well Data and Analytical Results

### ADDITIONAL ANALYSES

Analytical values are in parts per billion (ppb)

Date	Time	Volume (gallons)	pH	Conductivity (µmhos/cm)	Temperature °C	DO (mg/L)	ORP (mV)	Alkalinity (ppm)	Nitrate (mg/L)	Sulfate (mg/L)	Phosphate (mg/L)	Ferrous Iron (mg/L)
<b>MW-1</b>												
07/27/97	14:46											
07/27/97	14:51	7.5	7.09	212	20.9	2.37	-5	500	--	--	--	--
07/27/97	14:56	15.0	7.11	212	21	2.24	-6	600	--	--	--	--
07/27/97	15:01	22.5	7.11	211	21.1	2.24	-5	550	--	--	--	--
07/27/97	15:03	23.0	7.10	212	20.9	2.25	-6	550	<1.0	14	<100	2.2
05/31/98	13:30											
05/31/98	13:36	9.0	6.96	1331	20.6	0.15	3.2	975	--	--	--	--
05/31/98	13:40	18.0	6.97	1239	20.2	0.40	1.3	900	--	--	--	--
05/31/98	13:48	27.0	6.95	1199	20.5	0.66	1.3	950	--	--	--	--
05/31/98	13:50	28.0	6.97	1201	20.4	0.60	2.0	950	<1.0	4.0	<10	4.1
08/12/98	--	--	--	--	--	0.45	--	--	--	--	--	--
11/23/98	16:00	0.0	7.00	1706	16.6	--	--	--	--	--	--	--
<b>MW-2</b>												
07/27/97	14:01											
07/27/97	14:03	2.0	6.95	206	21.2	9.83	2.1	300	--	--	--	--
07/27/97	14:05	4.0	6.95	206	21.2	9.85	3.0	350	--	--	--	--
07/27/97	14:07	6.0	6.95	205	21.2	9.93	3.0	325	--	--	--	--
07/27/97	14:09	7.0	6.95	205	21.2	9.90	3.0	350	59	68	<10	0.019
05/31/98	12:34											
05/31/98	12:37	2.0	7.01	800	21.1	2.16	-13	250	--	--	--	--
05/31/98	12:40	4.0	7.03	800	21.1	2.55	-10	300	--	--	--	--
05/31/98	12:43	6.0	7.01	795	21.1	2.83	-11	275	--	--	--	--
05/31/98	12:46	7.0	6.99	796	21.2	2.80	-10	275	54	57	<10	0.11

## Cumulative Table of Well Data and Analytical Results

### ADDITIONAL ANALYSES

Analytical values are in parts per billion (ppb)

Date	Time	Volume (gallons)	pH	Conductivity (µmhos/cm)	Temperature °C	DO (mg/L)	ORP (mV)	Alkalinity (ppm)	Nitrate (mg/L)	Sulfate (mg/L)	Phosphate (mg/L)	Ferrous Iron (mg/L)
<b>MW-3</b>												
07/27/97	14:29											
07/27/97	14:31	2.0	7.11	269	23	8.75	-4.3	875	--	--	--	--
07/27/97	14:33	4.0	6.95	264	22	6.22	2.8	850	--	--	--	--
07/27/97	14:35	6.0	6.93	261	21.9	6.90	4.3	850	--	--	--	--
07/27/97	14:37	7.0	6.94	262	21.9	6.70	4.3	850	<1.0	<1.0	<10	2.1
05/31/98	13:13											
05/31/98	13:15	2.0	6.89	1266	21.1	0.45	12.3	750	--	--	--	--
05/31/98	13:17	4.0	6.75	1155	21	0.40	12.2	700	--	--	--	--
05/31/98	13:19	6.0	6.79	1200	20.9	0.38	12.1	675	--	--	--	--
05/31/98	13:23	7.0	6.78	1199	20.9	0.35	12.1	700	<1.0	4.0	<10	3.1
08/12/98	--	--	--	--	--	0.33	--	--	--	--	--	--
11/23/98	15:32	2.5	7.00	1705	16.6	--	--	--	--	--	--	--
11/23/98	15:36	4.5	7.00	1720	16.4	--	--	--	--	--	--	--
11/23/98	15:40	6.5	6.90	1723	16.4	--	--	--	--	--	--	--

## Cumulative Table of Well Data and Analytical Results

### ADDITIONAL ANALYSES

Analytical values are in parts per billion (ppb)

Date	Time	Volume (gallons)	pH	Conductivity (µmhos/cm)	Temperature °C	DO (mg/L)	ORP (mV)	Alkalinity (ppm)	Nitrate (mg/L)	Sulfate (mg/L)	Phosphate (mg/L)	Ferrous Iron (mg/L)
<b>MW-4</b>												
07/27/97	14:14											
07/27/97	14:16	2.0	7.22	244	20.6	8.75	-13	500	--	--	--	--
07/27/97	14:18	4.0	7.21	243	20.6	8.20	-13	550	--	--	--	--
07/27/97	14:20	6.0	7.24	246	20.5	8.55	-13	525	--	--	--	--
07/27/97	14:22	7.0	7.22	245	20.6	8.50	-13	550	80	68	<10	0.15
05/31/98	12:51											
05/31/98	12:54	3.0	7.01	1300	20.4	2.83	-10	450	--	--	--	--
05/31/98	12:57	6.0	6.98	1290	20.4	2.82	-12	400	--	--	--	--
05/31/98	13:00	9.0	6.90	1280	20.4	2.80	-11	375	--	--	--	--
05/31/98	13:03	10.0	6.92	1283	20.4	2.80	-12	400	17	30	<10	7.4
08/12/98	--	--	--	--	--	0.82	--	--	--	--	--	--
12/23/98	16:45	5.0	6.80	1062	9.9	--	--	--	--	--	--	--
<b>MW-5</b>												
07/27/97	13:15											
07/27/97	13:18	3.0	7.95	274	19.3	10.45	-55	300	--	--	--	--
07/27/97	13:20	6.0	7.92	273	19	10.35	-54	350	--	--	--	--
07/27/97	13:22	9.0	7.90	274	18.9	10.30	-52	300	--	--	--	--
07/27/97	13:24	10.0	7.91	273	19	10.31	-53	300	82	100	<10	0.013
05/31/98	12:07											
05/31/98	12:09	34.5	6.85	785	18.9	3.20	-25	350	--	--	--	--
05/31/98	12:11	69.0	7.00	980	18.9	3.27	-26	400	--	--	--	--
05/31/98	12:13	13.5	7.01	981	18.9	3.21	-28	400	--	--	--	--
05/31/98	12:15	14.0	7.00	990	18.8	3.20	-28	450	35	90	<10	1.9



## Cumulative Table of Well Data and Analytical Results

### ADDITIONAL ANALYSES

Analytical values are in parts per billion (ppb)

Date	Time	Volume (gallons)	pH	Conductivity (µmhos/cm)	Temperature °C	DO (mg/L)	ORP (mV)	Alkalinity (ppm)	Nitrate (mg/L)	Sulfate (mg/L)	Phosphate (mg/L)	Ferrous Iron (mg/L)
<b>MW-6</b>												
07/27/97	13:42											
07/27/97	13:44	3.0	7.54	261	23.2	11.28	-40	400	--	--	--	--
07/27/97	13:46	6.0	7.34	232	19.4	8.10	-18	450	--	--	--	--
07/27/97	13:48	9.0	7.26	227	19	8.35	-16	400	--	--	--	--
07/27/97	13:50	10.0	7.20	228	19.1	8.32	-15	400	17	27	<10	0.017
05/31/98	11:48											
05/31/98	11:51	3.0	6.98	966	18.7	0.72	3.20	500	--	--	--	--
05/31/98	11:54	6.0	6.96	970	18.7	0.51	3.19	450	--	--	--	--
05/31/98	11:57	9.0	6.95	959	18.7	0.36	3.42	400	--	--	--	--
05/31/98	12:00	10.0	6.90	960	18.6	0.40	3.40	450	68	51	<10	3.5
12/23/98	15:15	3.0	6.40	1038	15.0	--	--	--	--	--	--	--
12/23/98	15:20	6.0	6.70	980	15.7	--	--	--	--	--	--	--
12/23/98	15:24	9.0	6.80	964	15.6	--	--	--	--	--	--	--
<b>MW-7</b>												
07/27/97	13:02											
07/27/97	13:04	3.0	7.91	245	19.6	8.95	-52	350	--	--	--	--
07/27/97	13:06	6.0	7.94	264	19.3	9.70	-55	325	--	--	--	--
07/27/97	13:08	9.0	7.95	266	19.3	9.80	-55	350	--	--	--	--
07/27/97	13:10	10.0	7.93	265	19.3	9.79	-55	350	99	100	<10	0.012
05/31/98	12:16											
05/31/98	12:18	3.0	6.85	1020	19.6	3.60	-20	350	--	--	--	--
05/31/98	12:20	6.0	7.25	1020	18.9	3.80	-21	300	--	--	--	--
05/31/98	12:22	9.0	7.28	1000	18.8	4.20	-21	350	--	--	--	--
05/31/98	12:24	10.0	7.30	1001	18.9	4.40	-20	325	45	85	<10	0.011

## Cumulative Table of Well Data and Analytical Results

### ADDITIONAL ANALYSES

Analytical values are in parts per billion (ppb)

Date	Time	Volume (gallons)	pH	Conductivity (µmhos/cm)	Temperature °C	DO (mg/L)	ORP (mV)	Alkalinity (ppm)	Nitrate (mg/L)	Sulfate (mg/L)	Phosphate (mg/L)	Ferrous Iron (mg/L)
<b>MW-8</b>												
07/27/97	12:38											
07/27/97	12:40	2.2	7.85	141	21.1	9.40	-61.3	100	--	--	--	--
07/27/97	12:42	4.6	7.84	141	20.8	9.30	-48.3	150	--	--	--	--
07/27/97	12:44	6.6	7.83	142	20.9	9.25	-50	100	--	--	--	--
07/27/97	12:46	7.0	7.84	141	20.8	9.25	-50	100	50	24	<10	0.02
05/31/98	11:18											
05/31/98	11:21	3.0	7.03	357	21.1	6.58	-28	150	--	--	--	--
05/31/98	11:24	6.0	7.09	381	20.5	6.50	-30	200	--	--	--	--
05/31/98	11:27	9.0	7.08	373	20.5	6.40	-31	175	--	--	--	--
05/31/98	11:30	10.0	7.08	375	20.5	6.41	-30	200	35	16	<1.0	0.42
<b>SUPPLY WELL</b>												
07/27/97	13:40	--	7.85	257	22.7	4.89	-53	200	48	76	<10	1.5
11/23/98	15:15	1.0	7.40	1115	20.4	--	--	--	--	--	--	--

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on November 23, 1998. Earlier field data and analytical results are drawn from the August 12, 1998, Gettler-Ryan, Inc. report.

#### ABBREVIATIONS:

TPH = Total Petroleum Hydrocarbons

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

SPH = Separate Phase Hydrocarbons

MTBE = Methyl t-butyl ether

DO = Dissolved Oxygen

ORP = Oxidation-Reduction Potential

mg/L = Milligrams per liter

mV = Millivolts

ppm = Parts per million

µmhos/cm = Micromhos/per centimeter

°C = Degrees Celsius

# **Analytical Appendix**



Sequoia  
Analytical

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December 9, 1998

Christine Lillie  
Blaine Tech/Chevron  
1680 Rogers Ave.  
San Jose, CA n/a 95112

RE: Chevron/P811398

Dear Christine Lillie

Enclosed are the results of analyses for sample(s) received by the laboratory on November 25, 1998. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Matt Sakai  
Project Manager

CA ELAP Certificate Number 2245





**Sequoia  
Analytical**

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Blaine Tech/Chevron 1680 Rogers Ave. San Jose, CA n/a	Project: Chevron Project Number: 9-7127/981123-J3/I-580 Project Manager: Christine Lillie	Sampled: 11/23/98 Received: 11/25/98 Reported: 12/9/98
---	---	--

### ANALYTICAL REPORT FOR P811398

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	P811398-01	Water	11/23/98
MW-3	P811398-02	Water	11/23/98
SW	P811398-03	Water	11/23/98
TB	P811398-04	Water	11/23/98





# Sequoia Analytical

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Blaine Tech/Chevron 1680 Rogers Ave. San Jose, CA n/a	Project: Chevron Project Number: 9-7127/981123-J3/I-580 Project Manager: Christine Lillie	Sampled: 11/23/98 Received: 11/25/98 Reported: 12/9/98
---	---	--

## Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
				<b><u>P811398-01</u></b>				
<b>MW-1</b>							<b><u>Water</u></b>	
Gasoline	8120099	12/4/98	12/4/98		5000	131000	ug/l	
Benzene	"	"	"		50.0	14600	"	
Toluene	"	"	"		50.0	23700	"	
Ethylbenzene	"	"	"		50.0	1990	"	
Xylenes (total)	"	"	"		50.0	13600	"	
Methyl tert-butyl ether	"	"	"		200	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"			99.0	%	
Surrogate: 4-Bromofluorobenzene	"	"	"			92.3	"	
				<b><u>P811398-02</u></b>				
<b>MW-3</b>							<b><u>Water</u></b>	
Gasoline	8120099	12/4/98	12/4/98		2500	97200	ug/l	
Benzene	"	"	"		25.0	17900	"	
Toluene	"	"	"		25.0	12800	"	
Ethylbenzene	"	"	"		25.0	1200	"	
Xylenes (total)	"	"	"		25.0	6950	"	
Methyl tert-butyl ether	"	"	"		100	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"			98.3	%	
Surrogate: 4-Bromofluorobenzene	"	"	"			90.0	"	
				<b><u>P811398-03</u></b>				
<b>SW</b>							<b><u>Water</u></b>	
Gasoline	8120099	12/4/98	12/4/98		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	"	"	"		2.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"			96.7	%	
Surrogate: 4-Bromofluorobenzene	"	"	"			91.7	"	
				<b><u>P811398-04</u></b>				
<b>TB</b>							<b><u>Water</u></b>	
Gasoline	8120099	12/4/98	12/4/98		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	"	"	"		2.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"			97.0	%	
Surrogate: 4-Bromofluorobenzene	"	"	"			90.3	"	





Blaine Tech/Chevron 1680 Rogers Ave. San Jose, CA n/a	Project: Chevron Project Number: 9-7127/981123-J3/I-580 Project Manager: Christine Lillie	Sampled: 11/23/98 Received: 11/25/98 Reported: 12/9/98
---	---	--

**Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M/Quality Control  
Sequoia Analytical - Petaluma**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Reporting Limit Units	Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
---------	---------------	-------------	---------------	-----------	-----------------------	---------------	----------	-----------	-------	--------

<u>Batch: 8120099</u>		<u>Date Prepared: 12/4/98</u>		<u>Extraction Method: EPA 5030 waters</u>						
<u>Blank</u>		<u>8120099-BLK1</u>								
Gasoline	12/4/98			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	"	2.00				
Surrogate: a,a,a-Trifluorotoluene	"	300		280	"		93.3			
Surrogate: 4-Bromofluorobenzene	"	300		274	"		91.3			
<u>LCS</u>		<u>8120099-BS1</u>								
Benzene	12/4/98	100		97.7	ug/l		97.7			
Toluene	"	100		92.0	"		92.0			
Ethylbenzene	"	100		90.2	"		90.2			
Xylenes (total)	"	300		279	"		93.0			
Surrogate: a,a,a-Trifluorotoluene	"	300		287	"		95.7			
<u>Matrix Spike</u>		<u>8120099-MS1</u>		<u>P811391-01</u>						
Benzene	12/4/98	100	ND	98.1	ug/l		98.1			
Toluene	"	100	ND	93.1	"		93.1			
Ethylbenzene	"	100	ND	91.4	"		91.4			
Xylenes (total)	"	300	ND	279	"		93.0			
Surrogate: a,a,a-Trifluorotoluene	"	300		289	"		96.3			
<u>Matrix Spike Dup</u>		<u>8120099-MSD1</u>		<u>P811391-01</u>						
Benzene	12/4/98	100	ND	94.2	ug/l		94.2		4.06	
Toluene	"	100	ND	88.7	"		88.7		4.84	
Ethylbenzene	"	100	ND	87.8	"		87.8		4.02	
Xylenes (total)	"	300	ND	268	"		89.3		4.06	
Surrogate: a,a,a-Trifluorotoluene	"	300		278	"		92.7			





**Sequoia  
Analytical**

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Blaine Tech/Chevron 1680 Rogers Ave. San Jose, CA n/a	Project: Chevron Project Number: 9-7127/981123-J3/I-580 Project Manager: Christine Lillie	Sampled: 11/23/98 Received: 11/25/98 Reported: 12/9/98
---	---	--

### Notes and Definitions

#	Note
---	------

- 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

pg 11398

# Chain-of-Custody-Record

<p><b>Chevron Products Co.</b>  P.O. BOX 6004  San Ramon, CA 94583  FAX (925)842-8370</p>	<p>Chevron Facility Number <u>9-7127</u>  Facility Address <u>I-580 and Grantline Rd.</u>  Consultant Project Number <u>981123-53</u>  Consultant Name <u>BLAINE TECH SERVICE, INC.</u>  Address <u>1680 ROGERS AVE., SAN JOSE</u>  Project Contact (Name) <u>CHRISTINE LILLIE</u>  (Phone) <u>408-573-0555</u> (Fax Number) <u>408-573-7771</u></p>	<p>Chevron Contact (Name) <u>PHIL BRIGGS</u>  (Phone) <u>(925) 842-9136</u>  Laboratory Name <u>SEQUOIA</u>  Laboratory Service Order <u>9144488</u>  Laboratory Service Code <u>ZZ02800</u>  Samples Collected by (Name) <u>Steve Smith</u>  Signature <u>[Signature]</u></p>
---	--	--

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 (5520)	Metals (ICAP or AA) Cd,Cr,Pb,Zn,NI	BTEX (8020)	BTEX/MTBE/Naph. (8020)	TPH - HClD	TPH-D Extended		
MW-1	3	W	HC	11/23/98/16 <sup>05</sup>	X														Lab Sample No. PB11398-01
MW-3	3	W		154 <sup>45</sup>	X														-02
SW	3	W		152 <sup>00</sup>	X														-03
TB	2	W		-	X														-04
COOLER/CUSTODY SEALS INTACT <input checked="" type="checkbox"/> NOT INTACT <input type="checkbox"/> COOLER TEMPERATURE <u>6</u> °C																			

Relinquished By (Signature) <u>[Signature]</u>	Organization BTS	Date/Time 11/25/98 1114	Received By (Signature) <u>[Signature]</u>	Organization SEQUOIA	Date/Time 11-25-98 1114	Iced Y/N	Turn Around Time (Circle Choice)  <input type="radio"/> 24 Hrs. <input type="radio"/> 48 Hrs. <input type="radio"/> 5 Days <input checked="" type="radio"/> 10 Days As Contracted
Relinquished By (Signature) <u>[Signature]</u>	Organization SEQUOIA	Date/Time 11-25-98	Received By (Signature) <u>[Signature]</u>	Organization	Date/Time	Iced Y/N	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time (11/25)	Iced Y/N	



Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 9-7127/981223-L3 Sample Descript: MW-6 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9812G98-02	Sampled: 12/23/98 Received: 12/28/98  Analyzed: 01/06/99 Reported: 01/11/99
Attention: Christine Lillie		


QC Batch Number: GC010699802005A  
Instrument ID: HP5

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	66
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern: Discrete Peak		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	114

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

**SEQUOIA ANALYTICAL** - ELAP #1271

  
Mike Gregory  
Project Manager





Sequoia  
Analytical

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Blaine Tech Services  
1680 Rogers Avenue

San Jose, CA 95112

Attention: Christine Lillie

Client Proj. ID: Chevron 9-7127/981223-L3

Lab Proj. ID: 9812G98

Received: 12/28/98

Reported: 01/11/99

### LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 4 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL

Mike Gregory  
Project Manager





# Sequoia Analytical

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Blaine Tech Services, Inc.  
1680 Rogers Ave.  
San Jose, CA 95112  
Attention: Christine Lillie

Client Project ID: Chevron 9-7127/ 981223-L3  
Matrix: Liquid

Work Order #: 9812G98 -02

Reported: Jan 12, 1999

## QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX as TPH
QC Batch#:	GC010699802005A	GC010699802005A	GC010699802005A	GC010699802005A	GC010699802005A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	C. Westwater	C. Westwater	C. Westwater	C. Westwater	C. Westwater
MS/MSD #:	8122250	8122250	8122250	8122250	8122250
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	1/6/99	1/6/99	1/6/99	1/6/99	1/6/99
Analyzed Date:	1/6/99	1/6/99	1/6/99	1/6/99	1/6/99
Instrument I.D.#:	HP5	HP5	HP5	HP5	HP5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	290 µg/L
Result:	20	20	20	63	290
MS % Recovery:	100	100	100	105	100
Dup. Result:	19	19	19	59	270
MSD % Recov.:	95	95	95	98	93
RPD:	5.1	5.1	5.1	6.6	7.1
RPD Limit:	0-20	0-20	0-20	0-20	0-50

LCS #:	LCS010699	LCS010699	LCS010699	LCS010699	LCS010699
Prepared Date:	1/6/99	1/6/99	1/6/99	1/6/99	1/6/99
Analyzed Date:	1/6/99	1/6/99	1/6/99	1/6/99	1/6/99
Instrument I.D.#:	HP5	HP5	HP5	HP5	HP5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	290 µg/L
LCS Result:	19	20	20	63	290
LCS % Recov.:	95	100	100	105	100

MS/MSD	60-140	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130	50-150
Control Limits					

SEQUOIA ANALYTICAL  
Elap #1271

Mike Gregory  
Project Manager

**Please Note:**

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

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

9812G98.BLA < 1 >





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

# Chain-of-Custody-Record

DEC-29 98 (TUE) 09:29  
BLAINE TECH SERVICES, INC  
TEL: 408 575 7771  
P. 002

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

Chevron Facility Number 9-7127  
 Facility Address I-580 and Grantline Rd., Tracy  
 Consultant Project Number 981223-L3  
 Consultant Name BLAINE TECH SERVICE, INC.  
 Address 1680. ROGERS AV., 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) LAD GILCHRIST  
 Signature [Signature]

State Method:  CA  OR  WA  NW Series  CO  U

Sample Number	Number of Containers	Matrix S = Soil W = Water G = Gas	Sample Preservation	Date/Time	BTX/MTBE/TPH GAS (8020 + 8015)	BTX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Organics (8250)	Paraffinic Hydrocarbons (8010)	Purgeable Organics (8250)	Extractable Organics (8270)	Oil and Grease (8320)	Metals (Pb, Cr, Ni, Cu, Zn, Cd, Hg, Mn) (8270)	BTX (8020)	BTX/MTBE/Naph. (8020)	TPH - HCD	TPH-D Estimated			
WB 3 W	3 W			1/15/99															01	HOLD - TALK TO CRISTEN @ BTS BEFORE ANALYSIS MW-4 CANCEL PLEASE BY CHRISTINE Lillie

Received By (Signature) <u>[Signature]</u>	Organization <u>BTS</u>	Date/Time	Received By (Signature)	Organization	Date/Time	Lead Y/N	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days As Contracted
Received By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Lead Y/N	
Received By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)	Organization	Date/Time	Lead Y/N	

# **Field Data Sheets**

## CHEVRON WELL MONITORING DATA SHEET

Project #: 981223-L3	Station #: 9-7127
Sampler: LAD	Date: 12-23-98
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8
Total Well Depth: 26.25	Depth to Water: DRY @ 24.19
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      Sampling Method:  Bailer

Disposable Bailer       Disposable Bailer

Middleburg       Extraction Port

Electric Submersible      Other: \_\_\_\_\_

Extraction Pump

Other: GRAB SAMPLE

_____	X	_____	=	_____ Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1545					CASING DAMAGED / DRY @ 20.70 / SURVEY PT. ALTERED
1630					REPAIRED CASING / DTW @ 24.19 / TDC @ 26.25
1645	49.8	6.8	1062.	5.	ODOR

Did well dewater?    Yes     No    Gallons actually evacuated: 5

Sampling Time: 1650    Sampling Date: 12-23-98

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



## CHEVRON WELL MONITORING DATA SHEET

Project #: 981223-L3	Station #: 9-7127
Sampler: LAD	Date: 12-23-98
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8
Total Well Depth: 28.78	Depth to Water: 10.32
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (VVC) Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: Bailer      Sampling Method: Bailer

Disposable Bailer       Disposable Bailer

Middleburg      Extraction Port

Electric Submersible

Extraction Pump

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

3.0	x	3	=	9.0	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1515	59.0	6.4	1038.	3.	
1520	60.2	6.7	980.	6.	
1524	60.0	6.8	964.	9.	

Did well dewater?    Yes    No    Gallons actually evacuated: 9.

Sampling Time: 1539      Sampling Date: 12-23-98

Sample I.D.: MW-6      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 #: 981123-53	Station #: <del>9-7217</del> 9-7127
Sampler: Stone	Date: 11/23/98
Well I.D.: MW-1	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 39.20	Depth to Water: 27.54
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 <input checked="" type="checkbox"/> Extraction Port Other: _____
--	---

_____	X	_____	=	_____	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
16 <sup>00</sup>	61.8	7.0	1706	<del>0</del>	Grab Sample - Could not get truck near well.

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: _____	
Sampling Time: 16 <sup>05</sup>	Sampling Date: 11/23/98	
Sample I.D.: MW-1	Laboratory: <u>Sequoia</u> CORE N. Creek Assoc. Labs	
Analyzed for: <u>TPH-G</u> <u>BTEX</u> <u>MTBE</u> 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 #: 981123-53	Station #: <del>9-7217</del> 9-7127
Sampler: Stwe	Date: 11/23/98
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8
Total Well Depth: 40.06	Depth to Water: 27.09
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      Sampling Method: Bailer

Disposable Bailer       Disposable Bailer

Middleburg      Extraction Port

Electric Submersible      Other: \_\_\_\_\_

Extraction Pump

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

2.1	x	3	=	6.3	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
15 <sup>32</sup>	61.8	7.0	1705	2.5	
15 <sup>36</sup>	61.6	7.0	1720	4.5	
15 <sup>40</sup>	61.6	6.9	1723	6.5	

Did well dewater? Yes  No  Gallons actually evacuated: 6.5

Sampling Time: 15<sup>45</sup>      Sampling Date: 11/23/98

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 #: 981123-53	Station #: <del>4-7217</del> 9-7127
Sampler: Steve	Date: 11/23/98
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8
Total Well Depth:	Depth to Water:
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: _____
--	---

_____	X	_____	=	_____	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
					Well Destroyed - No Sample

Did well dewater?	Yes	No	Gallons actually evacuated:
Sampling Time:	Sampling Date:		
Sample I.D.:	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: <span style="float: right;">mg/L</span>
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: <span style="float: right;">mV</span>

## CHEVRON WELL MONITORING DATA SHEET

Project #: 981123-53	Station #: <del>9-7217</del> 9-7227
Sampler: Steve	Date: 11/23/98
Well I.D.: MW-6	Well Diameter: 2 3 4 6 8 <u>    </u>
Total Well Depth:	Depth to Water:
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: <u>        </u> Bailer Disposable Bailer Middleburg Electric Submersible Extraction Pump Other: <u>        </u>	Sampling Method: <u>        </u> Bailer Disposable Bailer Extraction Port Other: <u>        </u>
---	--

_____	X	_____	=	_____	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations

Did well dewater?	Yes	No	Gallons actually evacuated:
Sampling Time:	Sampling Date:		
Sample I.D.:	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: <span style="float: right;">mg/L</span>
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: <span style="float: right;">mV</span>

## CHEVRON WELL MONITORING DATA SHEET

Project #: 981123-53	Station #: <del>4-7217</del> 9-7127
Sampler: Steve	Date: 11/23/98
Well I.D.: Supply well	Well Diameter: 2 3 4 6 8 <u>    </u>
Total Well Depth:	Depth to Water:
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                      Sampling Method:                      Bailer

Disposable Bailer                      Disposable Bailer

Middleburg                                      Extraction Port

Electric Submersible                      Other: \_\_\_\_\_

Extraction Pump

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

_____	X	_____	=	_____ Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1515	68.8	7.4	1115	1.0	

Did well dewater?    Yes    No    Gallons actually evacuated: 1.0

Sampling Time: 1520    Sampling Date: 11/23/98

Sample I.D.: SW    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