



**Chevron**

February 13, 1995

**Chevron U.S.A. Products Company**  
6001 Bollinger Canyon Rd., Bldg. L  
P.O. Box 5004  
San Ramon, CA 94583-0804

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

**Site Assessment & Remediation Group**  
Phone (510) 842-9500

**Re: Chevron Service Station #9-1583  
5509 Martin Luther King Way, Oakland, CA**

Dear Ms. Hugo:

Enclosed is the First Quarter 1995 Groundwater Monitoring report dated February 2, 1995, prepared by our consultant Blaine Tech Services, Inc. for the above referenced site. As indicated in the report, ground water samples collected were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) and BTEX. Benzene was detected in monitor wells MW-3, MW-6, MW-7, and MW-8 at concentrations of 200, 0.69, 11, and 1000 ppb, respectively. Depth to ground water was measured at approximately 7.1 feet to 11.5 feet below grade, and the direction of flow is to the south-southeast.

The direction of ground water flow observed during the past two quarters differs greatly from that observed historically at the site. We would like to obtain additional monitoring data prior to submitting a work plan for additional definition of the dissolved hydrocarbon plume. We anticipate forwarding a work plan for delineation to your office within 30 days following submission of the next quarterly report so long as the direction of ground water flow is consistent with historical results.

It appears that hydrocarbons detected in wells MW-5 and MW-6 may have originated from the BP site. BP and Chevron have coordinated their sampling events to occur at the same time to better understand the two sites.

Chevron will continue to monitor and sample all wells at this site on a quarterly basis. If you have any questions or comments, please do not hesitate to contact me at (510) 842-8134.

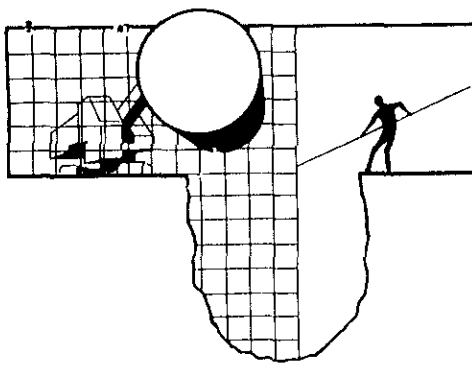
Sincerely,  
CHEVRON U.S.A. PRODUCTS COMPANY

  
Mark A. Miller  
Site Assessment and Remediation Engineer

Enclosure

cc: Mr. S.A. Willer

File: 9-1583 QM11



# BLAINE TECH SERVICES INC.

985 TIMOTHY DRIVE  
SAN JOSE, CA 95133  
(408) 995-5535  
FAX (408) 293-8773

February 2, 1995

Mark Miller  
Chevron U.S.A. Products Company  
2410 Camino Ramon  
San Ramon, CA 94583-0804

## 1st Quarter 1995 Monitoring at 9-1583

First Quarter 1995 Groundwater Monitoring at  
Chevron Service Station Number 9-1583  
5509 Martin Luther King Jr. Way  
Oakland, CA

Monitoring Performed on January 18, 1995

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### Groundwater Sampling Report 950118-H-1

This report covers the routine quarterly 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 Chevron's Richmond Refinery for disposal.

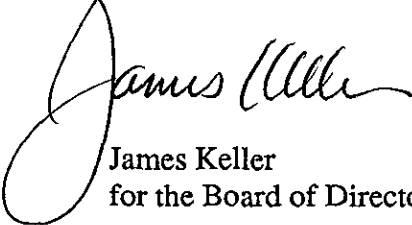
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**. The table also contains new groundwater 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,

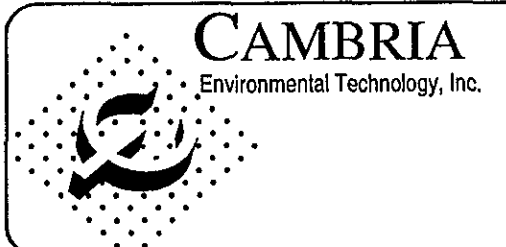
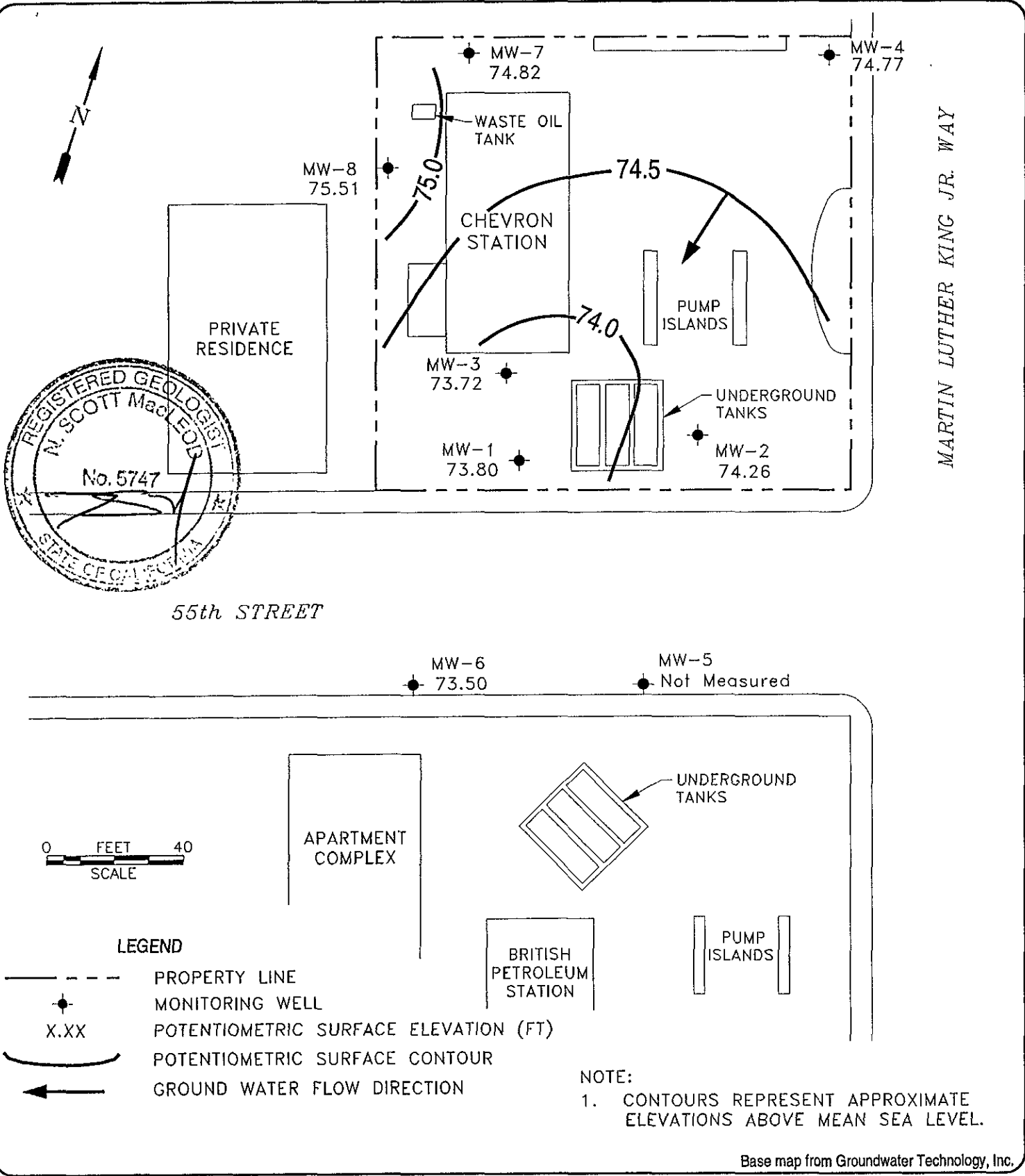


James Keller  
for the Board of Directors

JPK/dk

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

# **Professional Engineering Appendix**



Chevron Station 9-1583  
 5509 Martin Luther King Jr. Way  
 Oakland, California

VCHEVRON9-1583\1583-QM(1-Q95).DWG

Ground Water Elevation  
 January 18, 1995

FIGURE  
**1**

# **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	TPH-Diesel	TPH-Motor Oil
<b>MW-1</b>											
12/22/83	81.97	71.72	10.25	--	--	--	--	--	--	--	--
12/30/83	81.97	72.80	9.17	--	--	--	--	--	--	--	--
03/12/90	81.97	71.89	10.08	--	50,000	3000	7300	1900	18,000	--	--
03/25/90	82.42	71.51	10.46	--	--	--	--	--	--	--	--
10/18/90	82.42	--	--	--	--	--	--	--	--	--	--
10/31/90	82.42	--	--	--	--	--	--	--	--	--	--
11/16/90	82.42	70.84	11.58	--	--	--	--	--	--	--	--
02/08/91	82.42	72.31	10.11	--	100,000	4200	8400	16,000	2600	--	--
05/08/91	82.42	71.97	10.45	--	31,000	200	66	670	2000	--	--
08/12/91	82.42	71.19	11.23	--	17,000	81	7.2	270	710	--	--
11/07/91	82.42	71.72	10.70	--	7100	24	6.0	130	170	--	--
02/05/92	82.42	72.05	10.37	--	110,000	8900	14,000	2700	12,000	--	--
05/13/92	82.42	71.84	10.58	--	19,000	450	85	480	870	--	--
07/17/92	82.42	71.37	11.05	--	8500	170	<10	360	600	--	--
10/05/92	82.42	71.01	11.41	--	22,000	4300	5100	570	2900	--	--
11/11/92	82.42	--	--	--	--	--	--	--	--	--	--
11/17/92	82.42	--	--	--	--	--	--	--	--	--	--
11/24/92	82.42	--	--	--	--	--	--	--	--	--	--
12/01/92	82.42	--	--	--	--	--	--	--	--	--	--
12/29/92	82.42	--	--	--	--	--	--	--	--	--	--
01/05/93	82.42	--	--	--	--	--	--	--	--	--	--
01/08/93	82.42	74.31	8.11	--	14,000,000	12,000	79,000	270,000	1,300,000	--	--
02/02/93	82.42	--	--	--	--	--	--	--	--	--	--
04/14/93	82.42	72.57	9.85	--	48,000	670	1100	1600	6300	--	--
08/06/93	82.42	71.59	10.83	--	44,000	660	990	1600	6100	--	--
10/21/93	82.42	71.52	10.90	--	18,000	270	460	1300	4700	--	--
01/05/94	82.42	72.09	10.33	--	22,000	160	160	630	2300	--	--
04/08/94	82.42	72.24	10.18	--	21,000	37	110	570	1400	--	--
07/06/94	82.42	71.78	10.64	--	28,000	210	100	540	1200	--	--
08/04/94	82.42	71.91	10.51	--	--	--	--	--	--	--	--
10/05/94	82.42	71.51	10.91	--	120,000	39	22	320	900	--	--
01/18/95	82.42	73.80	8.62	--	12,000	<20	<20	130	160	--	--

## 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	TPH-Diesel	TPH-Motor Oil
<b>MW-2</b>											
12/22/83	83.48	72.98	10.50	--	--	--	--	--	--	--	--
12/30/83	83.48	73.56	9.92	--	--	--	--	--	--	--	--
03/12/90	83.48	72.46	11.02	--	800	400	22	18	55	--	--
03/25/90	83.48	72.15	11.33	--	--	--	--	--	--	--	--
10/18/90	83.48	71.17	12.31	--	--	--	--	--	--	--	--
10/31/90	83.48	--	--	--	--	--	--	--	--	--	--
11/16/90	83.48	--	--	--	--	--	--	--	--	--	--
02/08/91	83.48	72.43	11.05	--	4600	820	440	720	210	--	--
05/08/91	83.48	72.12	11.36	--	<50	5.0	<0.5	<0.5	<0.5	--	--
08/12/91	83.48	71.51	11.97	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/07/91	83.48	71.98	11.50	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/05/92	83.48	72.29	11.19	--	1700	390	170	60	200	--	--
05/13/92	83.48	71.99	11.49	--	74	9.3	<0.5	<0.5	<0.5	--	--
07/17/92	83.48	71.63	11.85	--	<50	2.0	<0.5	<0.5	<0.5	--	--
10/05/92	83.48	71.48	12.00	--	3500	1200	530	86	220	--	--
11/11/92	83.48	--	--	--	--	--	--	--	--	--	--
11/17/92	83.48	--	--	--	--	--	--	--	--	--	--
11/24/92	83.48	--	--	--	--	--	--	--	--	--	--
12/01/92	83.48	--	--	--	--	--	--	--	--	--	--
12/29/92	83.48	--	--	--	--	--	--	--	--	--	--
01/05/93	83.48	--	--	--	--	--	--	--	--	--	--
01/08/93	83.48	74.65	8.83	--	390	140	0.8	7.7	26	--	--
02/02/93	83.48	--	--	--	--	--	--	--	--	--	--
04/14/93	83.48	72.69	10.79	--	<50	5.0	<0.5	<0.5	<0.5	--	--
08/06/93	83.48	71.77	11.71	--	<50	1.0	<0.5	<0.5	<0.5	--	--
10/21/93	83.48	71.74	11.74	--	<50	1.0	<0.5	9.0	<0.5	--	--
01/05/94	83.48	72.30	11.18	--	<50	0.7	<0.5	<0.5	0.9	--	--
04/08/94	83.48	72.42	11.06	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/06/94	83.48	71.80	11.68	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/04/94	83.48	72.29	11.19	--	--	--	--	--	--	--	--
10/05/94	83.48	71.79	11.69	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/18/95	83.48	74.26	9.22	--	<50	<0.5	<0.5	<0.5	<0.5	--	--



## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well	Ground	Depth	Notes	TPH- Gasoline	Benzene	Toluene	Ethyl- Benzene	Xylene	TPH- Diesel	TPH- Motor Oil	
	Head Elev.	Water Elev.	To Water									
<b>MW-3</b>												
12/22/83	84.36	72.78	11.58	--	--	--	--	--	--	--	--	
12/30/83	84.36	73.19	11.17	--	--	--	--	--	--	--	--	
03/12/90	84.36	72.22	12.14	--	47,000	1000	9900	1700	9800	--	--	
03/25/90	84.38	71.81	12.55	--	--	--	--	--	--	--	--	
10/18/90	84.38	--	--	--	--	--	--	--	--	--	--	
10/31/90	84.38	--	--	--	--	--	--	--	--	--	--	
11/16/90	84.38	70.76	13.62	--	--	--	--	--	--	--	--	
02/08/91	84.38	72.20	12.18	--	58,000	4900	5200	9500	2000	--	--	
05/08/91	84.38	71.86	12.52	--	50,000	2100	1400	2000	9400	--	--	
08/12/91	84.38	71.11	13.27	--	15,000	1300	160	920	1900	--	--	
11/07/91	84.38	71.57	12.81	--	26,000	1000	310	1900	5900	--	--	
02/05/92	84.38	71.91	12.47	--	35,000	2800	1300	1500	4700	--	--	
05/13/92	84.38	71.76	12.62	--	47,000	1500	1200	1100	4800	--	--	
07/17/92	84.38	71.25	13.13	--	15,000	120	11	88	140	--	--	
10/05/92	84.38	70.95	13.62	Free Product (0.24'	--	--	--	--	--	--	--	
11/11/92	84.38	71.63	12.89	Free Product (0.17'	--	--	--	--	--	--	--	
11/17/92	84.38	71.54	12.89	Free Product (0.06'	--	--	--	--	--	--	--	
11/24/92	84.38	71.56	12.86	Free Product (0.05'	--	--	--	--	--	--	--	
12/01/92	84.38	71.48	12.92	Free Product (0.03'	--	--	--	--	--	--	--	
12/29/92	84.38	73.14	11.24	Sheen	--	--	--	--	--	--	--	
01/05/93	84.38	73.23	11.15	Sheen	--	--	--	--	--	--	--	
01/08/93	84.38	74.28	10.10	--	250,000	5000	17000	5500	28,000	--	--	
02/02/93	84.38	--	--	--	--	--	--	--	--	--	--	
04/14/93	84.38	72.48	11.91	Free Product (0.01'	--	--	--	--	--	--	--	
08/06/93	84.38	71.48	12.90	Free Product (0.01'	150,000	3800	6600	3700	17,000	--	--	
10/21/93	84.38	71.41	12.97	--	22,000	2300	1700	1400	5100	--	--	
01/05/94	84.38	71.96	12.42	--	37,000	1600	1100	1300	6500	--	--	
04/08/94	84.38	72.51	11.87	--	16,000	250	310	500	2500	--	--	
07/06/94	84.38	71.64	12.74	--	43,000	660	320	1900	6400	--	--	
08/04/94	84.38	71.71	12.67	--	--	--	--	--	--	--	--	
10/05/94	84.38	71.43	12.95	--	12,000	280	90	480	370	--	--	
01/18/95	84.38	73.72	10.66	--	20,000	200	230	700	3500	--	--	

## 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	TPH-Diesel	TPH-Motor Oil
<b>MW-4</b>											
10/18/90	84.25	68.50	15.75	--	--	--	--	--	--	--	--
10/31/90	84.25	70.35	13.90	--	<50	<0.5	<0.5	<0.5	1.0	--	--
11/16/90	84.25	70.00	14.25	--	--	--	--	--	--	--	--
02/08/91	84.25	71.93	12.32	--	60	17	2.0	12	<0.5	--	--
05/08/91	84.25	72.02	12.23	--	65	<0.5	<0.5	<0.5	<0.5	--	--
08/12/91	84.25	70.32	13.93	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/07/91	84.25	70.83	13.42	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/05/92	84.25	71.42	12.83	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/13/92	84.25	70.97	13.28	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/17/92	84.25	70.27	13.98	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/05/92	84.25	70.02	14.23	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/11/92	84.25	--	--	--	--	--	--	--	--	--	--
11/17/92	84.25	--	--	--	--	--	--	--	--	--	--
11/24/92	84.25	--	--	--	--	--	--	--	--	--	--
12/01/92	84.25	--	--	--	--	--	--	--	--	--	--
12/29/92	84.25	--	--	--	--	--	--	--	--	--	--
01/05/93	84.25	--	--	--	--	--	--	--	--	--	--
01/08/93	84.25	74.09	10.16	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/02/93	84.25	--	--	--	--	--	--	--	--	--	--
04/14/93	84.25	72.21	12.04	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/06/93	84.25	70.34	13.91	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/21/93	84.25	70.26	13.99	--	<50	<0.5	<0.5	<0.5	1.0	--	--
01/05/94	84.25	71.30	12.95	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/08/94	84.25	71.31	12.94	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/06/94	84.25	70.57	13.68	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/04/94	84.25	70.71	13.54	--	--	--	--	--	--	--	--
10/05/94	84.25	70.65	13.60	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/18/95	84.25	74.77	9.48	--	<50	<0.5	<0.5	<0.5	<0.5	--	--

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	TPH-Diesel	TPH-Motor Oil
<b>MW-5</b>											
10/18/90	81.95	71.17	10.78	--	--	--	--	--	--	--	--
10/31/90	81.95	71.32	10.63	--	110	<0.5	<0.5	<0.5	<0.5	--	--
11/16/90	81.95	71.27	10.68	--	--	--	--	--	--	--	--
02/08/91	81.95	72.78	9.17	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/08/91	81.95	73.27	8.68	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/12/91	81.95	71.62	10.33	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/07/91	81.95	72.19	9.76	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/05/92	81.95	72.48	9.47	--	69	<0.5	<0.5	<0.5	<0.5	--	--
05/13/92	81.95	72.25	9.70	--	74	<0.5	<0.5	<0.5	<0.5	--	--
07/17/92	81.95	71.74	10.21	--	880	2.6	<1.2	4.6	11	--	--
10/05/92	81.95	71.34	10.61	--	120	<0.5	<0.5	0.6	4.9	--	--
11/11/92	81.95	--	--	--	--	--	--	--	--	--	--
11/17/92	81.95	--	--	--	--	--	--	--	--	--	--
11/24/92	81.95	--	--	--	--	--	--	--	--	--	--
12/01/92	81.95	--	--	--	--	--	--	--	--	--	--
12/29/92	81.95	--	--	--	--	--	--	--	--	--	--
01/05/93	81.95	--	--	--	--	--	--	--	--	--	--
01/08/93	81.95	74.61	7.34	--	61	<0.5	<0.5	<0.5	<0.5	--	--
02/02/93	81.95	--	--	--	--	--	--	--	--	--	--
04/14/93	81.95	--	--	--	--	--	--	--	--	--	--
08/06/93	81.95	71.99	9.96	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/21/93	81.95	71.89	10.06	--	<50	<0.5	<0.5	2.0	4.0	--	--
01/05/94	81.95	72.52	9.43	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/08/94	81.95	72.56	9.39	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/06/94	81.95	72.19	9.76	--	<50	0.6	<0.5	<0.5	<0.5	--	--
08/04/94	81.95	72.13	9.82	--	--	--	--	--	--	--	--
10/05/94	81.95	71.89	10.06	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/18/95	81.95	--	--	Inaccessible	--	--	--	--	--	--	--

## 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	TPH-Diesel	TPH-Motor Oil
<b>MW-6</b>											
10/18/90	80.60	70.81	9.79	--	--	--	--	--	--	--	--
10/31/90	80.60	70.91	9.69	--	<50	<0.5	<0.5	<0.5	3.0	--	--
11/16/90	80.60	70.86	9.74	--	--	--	--	--	--	--	--
02/08/91	80.60	--	--	--	--	--	--	--	--	--	--
05/08/91	80.60	71.06	9.54	--	56	<0.5	<0.5	<0.5	<0.5	--	--
08/12/91	80.60	71.10	9.50	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/07/91	80.60	71.71	8.89	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/05/92	80.60	72.01	8.59	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/13/92	80.60	--	--	--	--	--	--	--	--	--	--
07/17/92	80.60	--	--	--	--	--	--	--	--	--	--
10/05/92	80.60	--	--	--	--	--	--	--	--	--	--
11/11/92	80.60	--	--	--	--	--	--	--	--	--	--
11/17/92	80.60	--	--	--	--	--	--	--	--	--	--
11/24/92	80.60	--	--	--	--	--	--	--	--	--	--
12/01/92	80.60	--	--	--	--	--	--	--	--	--	--
12/29/92	80.60	--	--	--	--	--	--	--	--	--	--
01/05/93	80.60	--	--	--	--	--	--	--	--	--	--
01/08/93	80.60	--	--	--	--	--	--	--	--	--	--
02/02/93	80.60	72.89	7.71	--	<50	2.1	<0.5	<0.5	2.2	--	--
04/14/93	80.60	72.41	8.19	--	<50	1.0	<0.5	<0.5	<0.5	--	--
08/06/93	80.60	71.52	9.08	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/21/93	80.60	71.46	9.14	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/05/94	80.60	72.06	8.54	--	<50	4.0	<0.5	<0.5	<0.5	--	--
04/08/94	80.60	--	--	--	--	--	--	--	--	--	--
07/06/94	80.60	--	--	Inaccessible	--	--	--	--	--	--	--
08/04/94	80.60	71.66	8.94	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/05/94	80.60	--	--	Inaccessible	--	--	--	--	--	--	--
01/18/95	80.60	73.50	7.10	--	<50	0.69	<0.5	<0.5	0.57	--	--

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well	Ground	Depth	Notes	TPH- Gasoline	Benzene	Toluene	Ethyl- Benzene	Xylene	TPH- Diesel	TPH- Motor Oil	
	Head Elev.	Water Elev.	To Water									
<b>MW-7</b>												
03/08/94	86.36	74.99	11.37	--	1200	440	31	73	200	<10	4100	
07/06/94	86.36	--	--	--	--	--	--	--	--	--	--	
08/04/94	86.36	73.86	12.50	--	120	15	<0.5	3.8	1.8	--	--	
10/05/94	86.36	73.99	12.37	--	150	1.2	<0.5	1.2	1.7	--	--	
01/18/95	86.36	74.82	11.54	--	260	11	<1.0	17	6.8	--	--	
 <b>MW-8</b>												
03/08/94	85.93	75.06	10.87	--	28,000	2900	1300	1200	6800	<10	<100	
07/06/94	85.93	--	--	--	--	--	--	--	--	--	--	
08/04/94	85.93	73.77	12.16	--	22,000	3000	260	870	4400	--	--	
10/05/94	85.93	72.71	13.22	--	12,000	1800	34	4.6	890	--	--	
01/18/95	85.93	75.51	10.42	--	19,000	1000	65	1100	3500	--	--	

## 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	TPH- Diesel	TPH- Motor Oil
<b>TRIP BLANK</b>											
03/12/90	--	--	--	--	<50	<0.3	<0.3	<0.3	<0.6	--	--
02/08/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/08/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/12/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/07/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/05/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/13/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/17/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/05/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/11/92	--	--	--	--	--	--	--	--	--	--	--
11/17/92	--	--	--	--	--	--	--	--	--	--	--
11/29/92	--	--	--	--	--	--	--	--	--	--	--
12/01/92	--	--	--	--	--	--	--	--	--	--	--
12/29/92	--	--	--	--	--	--	--	--	--	--	--
01/05/93	--	--	--	--	--	--	--	--	--	--	--
01/08/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/02/93	--	--	--	--	--	--	--	--	--	--	--
04/14/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/06/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/21/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/05/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/08/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/06/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/04/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/05/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/18/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on November 1, 1994.

Earlier field data and analytical results are drawn from the November 23, 1994 Groundwater Technology, Inc. report.

**ABBREVIATIONS:**

TPH = Total Petroleum Hydrocarbons

# **Analytical Appendix**



Blaine Technical Services Client Proj. ID: 950118-H1, Chevron 9-1583 Sampled: 01/18/95
985 Timothy Drive Sample Descript: MW-1 Received: 01/19/95
San Jose, CA 95133 Matrix: LIQUID
Attention: Jim Keller Analysis Method: 8015Mod/8020 Analyzed: 01/24/95
Lab Number: 9501A34-01 Reported: 01/26/95

QC Batch Number: GC012495BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Table with 3 columns: Analyte, Detection Limit ug/L, Sample Results ug/L. Rows include TPPH as Gas (2000, 12000), Benzene (20, N.D.), Toluene (20, N.D.), Ethyl Benzene (20, 130), Xylenes (Total) (20, 160), and Weathered Gas (C8-C12).

Table with 3 columns: Surrogates, Control Limits %, % Recovery. Row for Trifluorotoluene shows Control Limits % (70, 130) and % Recovery (94).

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

SEQUOIA ANALYTICAL - ELAP #1210

Handwritten signature of Suzanne Chin

Suzanne Chin
Project Manager







Blaine Technical Services	Client Proj. ID: 950118-H1, Chevron 9-1583	Sampled: 01/18/95
985 Timothy Drive	Sample Descript: MW-2	Received: 01/19/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 01/26/95
Attention: Jim Keller	Lab Number: 9501A34-02	Reported: 01/26/95

QC Batch Number: GC012595BTEX03A  
Instrument ID: GCHP03

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	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:		

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70                      130	87

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Suzanne Chin  
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: 950118-H1, Chevron 9-1583 Sample Descript: MW-3 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9501A34-03	Sampled: 01/18/95 Received: 01/19/95 Analyzed: 01/25/95 Reported: 01/26/95
--	--	---

QC Batch Number: GC012595BTEX03A  
Instrument ID: GCHP03

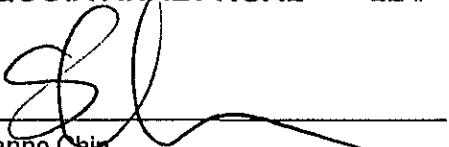
**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	2500	20000
Benzene	25	200
Toluene	25	230
Ethyl Benzene	25	700
Xylenes (Total)	25	3500
Chromatogram Pattern:		Gas

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	116

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

**SEQUOIA ANALYTICAL** - ELAP #1210



Suzanne Chin  
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: 950118-H1, Chevron 9-1583 Sample Descript: MW-4 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9501A34-04	Sampled: 01/18/95 Received: 01/19/95 Analyzed: 01/24/95 Reported: 01/26/95
--	--	---

QC Batch Number: GC012495BTEX17A  
Instrument ID: GCHP17

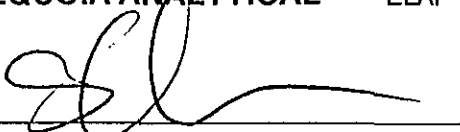
**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	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:		

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70                      130	103

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

**SEQUOIA ANALYTICAL - ELAP #1210**



Suzanne Chin  
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: 950118-H1, Chevron 9-1583 Sample Descript: MW-6 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9501A34-05	Sampled: 01/18/95 Received: 01/19/95 Analyzed: 01/24/95 Reported: 01/26/95
QC Batch Number: GC012495BTEX17A		
Instrument ID: GCHP17		

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

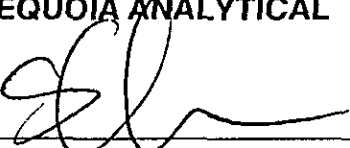
Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
<b>Benzene</b>	<b>0.50</b>	<b>0.69</b>
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
<b>Xylenes (Total)</b>	<b>0.50</b>	<b>0.57</b>
Chromatogram Pattern: Discrete Peaks		C6-C9

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	102

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

**SEQUOIA ANALYTICAL** - ELAP #1210

  
Suzanne Chin  
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: 950118-H1, Chevron 9-1583 Sample Descript: MW-7 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9501A34-06	Sampled: 01/18/95 Received: 01/19/95 Analyzed: 01/26/95 Reported: 01/26/95
--	--	---

QC Batch Number: GC012595BTEX03A  
Instrument ID: GCHP03

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	100	260
Benzene	1.0	11
Toluene	1.0	N.D.
Ethyl Benzene	1.0	17
Xylenes (Total)	1.0	6.8
Chromatogram Pattern:		Gas

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	94

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Suzanne Chin  
Project Manager





Blaine Technical Services Client Proj. ID: 950118-H1, Chevron 9-1583 Sampled: 01/18/95
985 Timothy Drive Sample Descript: MW-8 Received: 01/19/95
San Jose, CA 95133 Matrix: LIQUID
Attention: Jim Keller Analysis Method: 8015Mod/8020 Analyzed: 01/26/95
Lab Number: 9501A34-07 Reported: 01/26/95

QC Batch Number: GC012595BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Table with 4 columns: Analyte, Detection Limit ug/L, Sample Results ug/L. Rows include TPPH as Gas (2500, 19000), Benzene (25, 1000), Toluene (25, 65), Ethyl Benzene (25, 1100), Xylenes (Total) (25, 3500), and Chromatogram Pattern (Gas).

Table with 4 columns: Surrogates, Control Limits %, % Recovery. Row for Trifluorotoluene shows 70, 130, and 93.

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

SEQUOIA ANALYTICAL - ELAP #1210

Handwritten signature of Suzanne Chin

Suzanne Chin
Project Manager





Blaine Technical Services	Client Proj. ID: 950118-H1, Chevron 9-1583	Sampled: 01/18/95
985 Timothy Drive	Sample Descript: TB	Received: 01/19/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 01/25/95
Attention: Jim Keller	Lab Number: 9501A34-08	Reported: 01/26/95

QC Batch Number: GC012495BTEX17A  
Instrument ID: GCHP17

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	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:		

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70                      130	111

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

SEQUOIA ANALYTICAL - ELAP #1210

Suzanne Chin  
Project Manager





Blaine Tech Services, Inc. 985 Timothy Drive San Jose, CA 95133 Attention: Jim Keller	Client Project ID: 950118-H1, Chevron 9-1583 Matrix: Liquid Work Order #: 9501A34 -01, 04-05, 08	Reported: Jan 31, 1995
--	--	------------------------

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC012495BTEX17A	GC012495BTEX17A	GC012495BTEX17A	GC012495BTEX17A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	950172701	950172701	950172701	950172701
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	1/24/95	1/24/95	1/24/95	1/24/95
Analyzed Date:	1/24/95	1/24/95	1/24/95	1/24/95
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.1	9.4	8.9	27
MS % Recovery:	91	94	89	90
Dup. Result:	9.5	9.8	9.7	30
MSD % Recov.:	95	98	97	100
RPD:	4.3	4.2	8.6	11
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-

MS/MSD	71-133	72-128	72-130	71-120
LCS				
Control Limits				

**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.

SEQUOIA ANALYTICAL

*Suzanne Chin*  
Suzanne Chin  
Project Manager

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

9501A34.BLA <1>







Blaine Tech Services, Inc. 985 Timothy Drive San Jose, CA 95133 Attention: Jim Keller	Client Project ID: 950118-H1, Chevron 9-1583 Matrix: Liquid Work Order #: 9501A34-02-03, 06-07	Reported: Jan 31, 1995
--	--	------------------------

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC012595BTEX03A	GC012595BTEX03A	GC012595BTEX03A	GC012595BTEX03A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	R. Vincent	R. Vincent	R. Vincent	R. Vincent
MS/MSD #:	950183201	950183201	950183201	950183201
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	1/25/95	1/25/95	1/25/95	1/25/95
Analyzed Date:	1/25/95	1/25/95	1/25/95	1/25/95
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.6	9.8	9.7	30
MS % Recovery:	96	98	97	100
Dup. Result:	9.8	9.8	9.9	30
MSD % Recov.:	98	98	99	100
RPD:	2.1	0.0	2.0	0.0
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-

MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

**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.

**SEQUOIA ANALYTICAL**  
  
Suzanne Chin  
Project Manager

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

9501A34.BLA <2>



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

Chain-of-Custody-Record

Chevron U.S.A. Inc. P.O. BOX 5004 San Ramon, CA 94583 FAX (415)842-9591	Chevron Facility Number <u>9-1583</u>	Chevron Contact (Name) <u>Mark Miller</u>
	Facility Address <u>5509 Martin Luther King, Oakland</u>	(Phone) <u>(510) 842-8134</u>
	Consultant Project Number <u>950118-H1</u>	Laboratory Name <u>Sequoia</u>
	Consultant Name <u>Blaine Tech Services, Inc.</u>	Laboratory Release Number <u>2172760</u>
	Address <u>985 Timothy Dr., San Jose, CA 95133</u>	Sample Collected by (Name) <u>TROY N. HORNER</u>
Project Contact (Name) <u>Jim Keller</u>	Collection Date <u>11/18/95</u>	Signature <u>[Signature]</u>
	(Phone) <u>408 995-5535</u> (Fax Number) <u>408 293-8773</u>	

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Core/soil	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed										DO NOT BILL FOR TB-LB  7501A34 Remarks	
								BTX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (8520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)				
MW-1		3	W		1930	HCL	Y	X											-01
MW-2		3	W		1110	HCL	Y	X											-02
MW-3		3	W		1305	HCL	Y	X											-03
MW-4		3	W		1140	HCL	Y	X											-04
MW-6		3	W		1035	HCL	Y	X											-05
MW-7		3	W		1210	HCL	Y	X											-06
MW-8		3	W		1230	HCL	Y	X											-07
TO		2	W			HCL	Y	X											-08

Relinquished By (Signature) <u>[Signature]</u>	Organization <u>BTS</u>	Date/Time <u>1-19 10:00</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>Sequoia</u>	Date/Time <u>1-19 18:00</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days As Contracted
Relinquished By (Signature) <u>[Signature]</u>	Organization <u>Sequoia</u>	Date/Time <u>1-19 95 11:35</u>	Received By (Signature) <u>[Signature]</u>	Organization	Date/Time	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) <u>[Signature]</u>	Date/Time <u>1/19/95 11:35</u>		

COC-3.DWG/03 91/ACH

# **Field Data Sheets**



# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950118-H1</u>	Station # <u>9-1583</u>
Sampler: <u>TNH</u>	Date Sampled: <u>1/18/97</u>
Well I.D.: <u>MW-1</u>	Well Diameter: (circle one) <u>2</u> <u>3</u> 4 6
Total Well Depth: Before <u>20.00</u> After	Depth to Water: Before <u>8.62</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>PVC</u> Grade Other --	

<u>4.2</u>	<u>x</u>	<u>3</u>	<u>=</u>	<u>12.6</u>
1 Case Volume		Specified Volumes		gallons

Purging: Bailer   
 Middleburg  
 Electric Submersible  
 Suction Pump  
 Type of Installed Pump \_\_\_\_\_

Sampling: Bailer   
 Middleburg  
 Electric Submersible  
 Suction Pump  
 Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>13:15</u>	<u>59.8</u>	<u>7.4</u>	<u>390</u>	<u>—————</u>	<u>4.5</u>	<u>SHEEN</u>
<u>13:20</u>	<u>60.3</u>	<u>7.6</u>	<u>400</u>	<u>—————</u>	<u>9</u>	
<u>13:23</u>	<u>60.2</u>	<u>7.5</u>	<u>400</u>	<u>—————</u>	<u>13</u>	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 13

Sampling Time: 13:30

Sample I.D.: MW-1 Laboratory: SEQ

Analyzed for: TPHG, BTEX

Duplicate I.D.: \_\_\_\_\_ Cleaning Blank I.D.: \_\_\_\_\_

Analyzed for:

Shipping Notations:

Additional Notations:

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950118-H1</u>	Station # <u>9-1583</u>
Sampler: <u>TNH</u>	Date Sampled: <u>1/18/95</u>
Well I.D.: <u>MW-2</u>	Well Diameter: (circle one) <u>3</u> 4 6
Total Well Depth: Before <u>19.40</u> After	Depth to Water: Before <u>9.22</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>PVC</u> Grade Other --	

<u>3.7</u> x <u>3</u>	=	<u>11.1</u>
1 Case Volume	Specified Volumes	gallons

Purging: Bailer ~~X~~ DEDICATED  
 Middleburg  
 Electric Submersible  
 Suction Pump  
 Type of Installed Pump \_\_\_\_\_

Sampling: Bailer ~~X~~ DISPOSABLE  
 Middleburg  
 Electric Submersible  
 Suction Pump  
 Installed Pump \_\_\_\_\_

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>10:55</u>	<u>60.8</u>	<u>7.2</u>	<u>420</u>		<u>4</u>	
<u>11:00</u>	<u>61.1</u>	<u>7.2</u>	<u>430</u>		<u>8</u>	
<u>11:03</u>	<u>62.9</u>	<u>7.0</u>	<u>430</u>		<u>12</u>	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 12.0

Sampling Time: 11:10

Sample I.D.: MW-2 Laboratory: SEQ

Analyzed for: TPHG, BTEX

Duplicate I.D.: \_\_\_\_\_ Cleaning Blank I.D.: \_\_\_\_\_

Analyzed for: \_\_\_\_\_

Shipping Notations: \_\_\_\_\_

Additional Notations: \_\_\_\_\_

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950118-H1</u>	Station # <u>9-1583</u>
Sampler: <u>TNH</u>	Date Sampled: <u>11/18/95</u>
Well I.D.: <u>MW-3</u>	Well Diameter: (circle one) <u>2</u> <u>3</u> 4 6
Total Well Depth: Before <u>20.26</u> After	Depth to Water: Before <u>10.66</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>PVC</u> Grade Other --	

<u>3.5</u>	x	<u>3</u>	=	<u>10.5</u>
1 Case Volume		Specified Volumes		gallons

Purging: <input checked="" type="checkbox"/> Bailer <input type="checkbox"/> Middleburg <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Suction Pump Type of Installed Pump _____	Sampling: <input checked="" type="checkbox"/> Bailer <input type="checkbox"/> Middleburg <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Suction Pump Installed Pump _____
--	---

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>12:55</u>	<u>59.7</u>	<u>7.9</u>	<u>350</u>	<u>                    </u>	<u>4</u>	<u>SHEEN</u>
<u>12:58</u>	<u>59.3</u>	<u>7.6</u>	<u>360</u>	<u>                    </u>	<u>8</u>	
<u>13:01</u>	<u>59.3</u>	<u>7.6</u>	<u>380</u>	<u>                    </u>	<u>11</u>	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 11.0

Sampling Time: 13:05

Sample I.D.: MW-3 Laboratory: SEQ

Analyzed for: TPH6, BTX

Duplicate I.D.: \_\_\_\_\_ Cleaning Blank I.D.: \_\_\_\_\_

Analyzed for:

Shipping Notations:

Additional Notations:

# CHEVRON WELL MONITORING DATA SHEET

Project #: 950118-H1	Station # 9-1583
Sampler: THH	Date Sampled: 1/18/95
Well I.D.: MW-4	Well Diameter: (circle one) ② 3 4 6
Total Well Depth: Before 25.14 After	Depth to Water: Before 9.48 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to:	(PVC) Grade Other --

2.5	x	3	=	7.5
1 Case Volume		Specified Volumes		gallons

Purging: Bailer  
Middleburg  
Electric Submersible  
Suction Pump  
Type of Installed Pump \_\_\_\_\_

Sampling: Bailer  
Middleburg  
Electric Submersible  
Suction Pump  
Installed Pump \_\_\_\_\_

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
11:30	59.2	7.1	460	—	3.0	
11:33	61.5	7.3	480	—	6.0	
11:36	62.4	7.2	480	—	8.0	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 8.0

Sampling Time: 11:40

Sample I.D.: MW-4

Laboratory: SEQ

Analyzed for: TPHG, BTEX

Duplicate I.D.:

Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations:



# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950118-H1</u>		Station # <u>9-1583</u>	
Sampler: <u>TNH</u>		Date Sampled: <u>1/18/95</u>	
Well I.D.: <u>MW-5</u>		Well Diameter: (circle one) <u>(2)</u> 3 4 6	
Total Well Depth:		Depth to Water:	
Before	After	Before	After
Depth to Free Product:		Thickness of Free Product (feet):	
Measurements referenced to: <u>PVC</u> Grade Other --			

_____ X _____	Specified Volumes	=	_____ gallons
1 Case Volume			

Purging: Bailer Middleburg Electric Submersible Suction Pump Type of Installed Pump _____	Sampling: Bailer Middleburg Electric Submersible Suction Pump Installed Pump _____
---	--

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
	INACCESSABLE DUE TO CAR PARKED OVER WELL					

Did Well Dewater?      If yes, gals.      Gallons Actually Evacuated:

Sampling Time:

Sample I.D.: MW-5      Laboratory: SEQ

Analyzed for: TPHG, BTEX

Duplicate I.D.:      Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations:

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950118-H1</u>	Station # <u>9-1583</u>
Sampler: <u>TNH</u>	Date Sampled: <u>1/18/95</u>
Well I.D.: <u>MW-6</u>	Well Diameter: (circle one) <u>(2)</u> 3 4 6
Total Well Depth: Before <u>19.96</u> After	Depth to Water: Before <u>7.10</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>(PVC)</u> Grade Other --	

<u>2.0</u>	x	<u>3</u>	=	<u>6.0</u>
1 Case Volume		Specified Volumes		gallons

Purging: Bailer ~~X~~ INDICATED  
 Middleburg  
 Electric Submersible  
 Suction Pump  
 Type of Installed Pump \_\_\_\_\_

Sampling: Bailer ~~X~~ DISPOSABLE  
 Middleburg  
 Electric Submersible  
 Suction Pump  
 Installed Pump \_\_\_\_\_

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>10:25</u>	<u>57.9</u>	<u>7.3</u>	<u>480</u>	_____	<u>2</u>	<u>SHEEN</u>
<u>10:27</u>	<u>58.9</u>	<u>7.0</u>	<u>470</u>	_____	<u>4</u>	
<u>10:29</u>	<u>58.3</u>	<u>6.9</u>	<u>510</u>	_____	<u>6</u>	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 6.0

Sampling Time: 10:35

Sample I.D.: MW-6 Laboratory: SEQ

Analyzed for: TPHG, BTEX

Duplicate I.D.: \_\_\_\_\_ Cleaning Blank I.D.: \_\_\_\_\_

Analyzed for:

Shipping Notations:

Additional Notations:

# CHEVRON WELL MONITORING DATA SHEET

Project #: 950118-H1	Station # 9-1583
Sampler: TNH	Date Sampled: 11/18/95
Well I.D.: MW-7	Well Diameter: (circle one) <u>2</u> 3 4 6
Total Well Depth: Before 19.72 After	Depth to Water: Before 11.54 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to:	<u>PVC</u> Grade Other --

<u>1.3</u>	$\times$	<u>3</u>	$=$	<u>3.9</u>
1 Case Volume		Specified Volumes		gallons

Purging: Bailer   
 Middleburg  
 Electric Submersible  
 Suction Pump  
 Type of Installed Pump \_\_\_\_\_

Sampling: Bailer   
 Middleburg  
 Electric Submersible  
 Suction Pump  
 Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
12:00	58.3	7.1	830	_____	2	ODOR SHEET
12:02	58.1	7.0	820	_____	3	
12:04	58.2	7.1	820	_____	4	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 4.0

Sampling Time: 12:10

Sample I.D.: MW-7 Laboratory: SEQ

Analyzed for: TPHG, BTEX

Duplicate I.D.: \_\_\_\_\_ Cleaning Blank I.D.: \_\_\_\_\_

Analyzed for:

Shipping Notations:

Additional Notations:

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950118-H1</u>	Station # <u>9-1583</u>
Sampler: <u>TNH</u>	Date Sampled: <u>1/18/95</u>
Well I.D.: <u>MW-8</u>	Well Diameter: (circle one) <u>(2)</u> 3 4 6
Total Well Depth: Before <u>19.60</u> After	Depth to Water: Before <u>10.42</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>(PVC)</u> Grade Other --	

<u>1.5</u>	x	<u>3</u>	=	<u>4.5</u>
1 Case Volume		Specified Volumes		gallons

Purging: ~~Bailer~~  
 Middleburg  
 Electric Submersible  
 Suction Pump  
 Type of Installed Pump \_\_\_\_\_

Sampling: ~~Bailer~~  
 Middleburg  
 Electric Submersible  
 Suction Pump  
 Installed Pump \_\_\_\_\_

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>12:20</u>	<u>58.3</u>	<u>7.4</u>	<u>880</u>	<u>---</u>	<u>2</u>	
<u>12:22</u>	<u>58.5</u>	<u>7.2</u>	<u>900</u>	<u>---</u>	<u>4</u>	
<u>12:24</u>	<u>58.3</u>	<u>7.2</u>	<u>890</u>	<u>---</u>	<u>5</u>	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 5.0

Sampling Time: 12:30

Sample I.D.: MW-8 Laboratory: SEQ

Analyzed for: TPHG, BTEX

Duplicate I.D.: \_\_\_\_\_ Cleaning Blank I.D.: \_\_\_\_\_

Analyzed for: \_\_\_\_\_

Shipping Notations: \_\_\_\_\_

Additional Notations: \_\_\_\_\_