Chevron

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

Marketing – Sales West
Phone 510 842-9500

November 11, 1997

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

Re: Chevron Service Station #9-8139
16304 Foothill Blvd.
San Leandro, California

Dear Mr. Seery:

Enclosed is the Fourth Quarter Groundwater Monitoring Report for 1997 that was prepared by our consultant Blaine Tech Services Inc., for the above noted site. The groundwater samples were analyzed for the presence of TPH-g, BTEX and MtBE constituents. Twelve wells are on site with five wells presently being monitored and sampled semi-annually.

Monitoring wells MW-10 and MW-11 were below method detection limits for all the constituents, while well MW-8 was below method detection limits for the TPH-g and BTEX constituents. Monitoring wells MW-9 and EW-3 showed an increase in the benzene constituent from the previous sampling event.

Depth to groundwater varied from 13.05 feet to 14.86 feet below grade with the direction of flow southwesterly.

For your information, I have assumed the reporting requirements of this site from our Groundwater Coordinator, Ms. Tammy Hodge and all correspondence or communication should be directed to me.

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

Sincerely,
CHEVRON PRODUCTS COMPANY

Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

cc. Mr. Kevin Graves
RWQCB-San Francisco Bay Region
2101 Webster St., Suite 500
Oakland, CA 94612

Mr. Bill Scudder, Chevron

BLAINE
TECH SERVICES INC.

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

October 31, 1997

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

4th Quarter 1997 Monitoring at 9-8139

Fourth Quarter 1997 Groundwater Monitoring at
Chevron Service Station Number 9-8139
16304 Foothill Blvd.
San Leandro, CA

Monitoring Performed on October 7, 1997

Groundwater Sampling Report **971007-G-1**

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

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

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

also contains new groundwater elevation calculations taken from the computer plotted gradient map which is located in the **Professional Engineering Appendix.**

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

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

Please call if you have any questions.

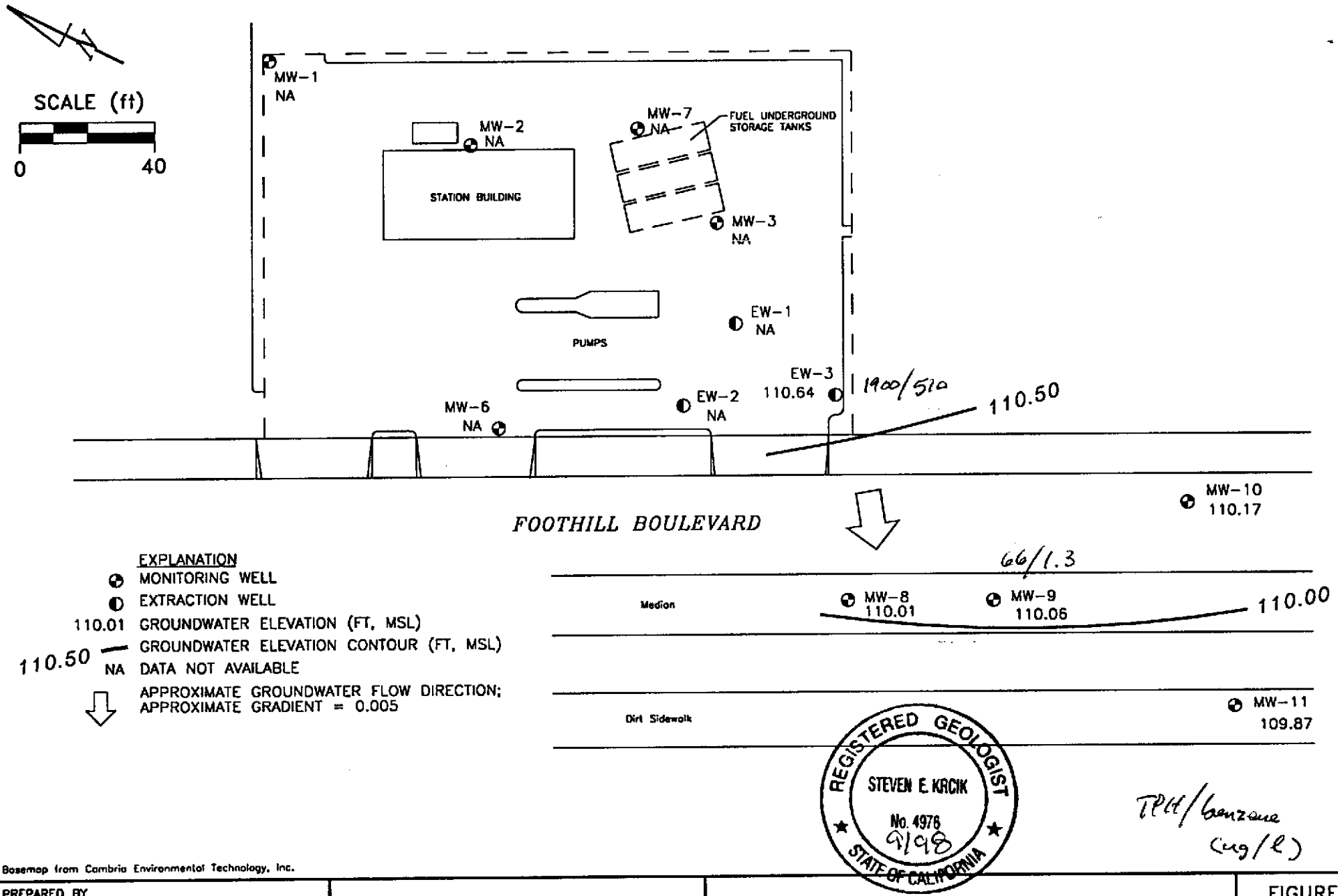
Yours truly,

Francis Thie
Vice President

FPT/ew

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

Professional Engineering Appendix



Basemap from Cambria Environmental Technology, Inc.

PREPARED BY

RRM
engineering contracting firm

Chevron Station 9-8139
16304 Foothill Boulevard
San Leandro, California

GROUNDWATER ELEVATION CONTOUR MAP, OCTOBER 7, 1997

FIGURE:
1
PROJECT:
DAC04

Table of
Well Data and
Analytical Results

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	EDB
MW-1											
12/05/89	127.09	--	--	*	<500	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
03/23/90	127.09	114.17	12.92	--	--	--	--	--	--	--	--
05/24/90	127.09	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/06/90	127.09	112.41	14.68	--	<50	<0.5	0.8	<0.5	<0.5	<0.5	<0.5
09/25/90	127.09	112.08	15.01	--	--	--	--	--	--	--	--
11/29/90	127.09	112.27	14.82	--	<50	0.7	0.9	<0.5	1.0	--	--
02/20/91	127.09	112.80	14.29	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/19/91	127.09	114.93	12.16	--	--	--	--	--	--	--	--
05/22/91	127.09	113.40	13.69	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/22/91	127.09	111.71	15.38	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/13/91	127.09	111.29	15.80	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/30/92	127.09	112.38	14.71	--	<50	0.5	<0.5	<0.5	0.5	--	--
04/23/92	127.09	114.87	12.22	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/27/92	127.09	112.79	14.30	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/26/92	127.09	111.19	15.90	--	<50	0.6	<0.5	<0.5	<0.5	--	--
01/29/93	127.09	116.58	10.51	--	<50	3.0	3.0	0.7	3.0	--	--
04/30/93	127.09	117.19	9.90	--	<50	<0.5	0.7	<0.5	1.0	--	--
07/14/93	127.09	114.81	12.28	--	<50	0.7	1.0	<0.5	3.0	--	--
10/27/93	127.09	111.56	15.53	--	<50	0.9	2.0	<0.5	2.0	--	--
01/13/94	127.09	114.85	12.24	--	<50	<0.5	0.9	<0.5	<0.5	--	--
04/22/94	127.09	114.18	12.91	--	<50	1.1	2.6	1.0	5.5	--	--
07/29/94	127.09	114.34	12.75	--	<50	<0.5	0.9	<0.5	<0.5	--	--
10/25/94	127.09	113.46	13.63	--	100	0.6	1.6	<0.5	4.1	--	--
01/19/95	127.09	117.16	9.93	--	<50	<0.5	<0.5	<0.5	<0.5	--	--

NO LONGER MONITORED OR SAMPLED

*TPH-Diesel not detected at detection limit of 1000 ppb. Oil and Grease not detected at detection limit of 5000 ppb.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	EDB
MW-2											
12/05/89	125.98	--	--	*	<500	<0.5	<0.5	<0.5	0.9	<0.5	<0.5
03/23/90	125.98	113.58	12.40	--	--	--	--	--	--	--	--
05/24/90	125.98	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/06/90	125.98	111.13	14.85	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
09/25/90	125.98	111.18	14.80	--	--	--	--	--	--	--	--
11/29/90	125.98	111.58	14.40	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/91	125.98	111.89	14.09	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/19/91	125.98	113.36	12.62	--	--	--	--	--	--	--	--
05/22/91	125.98	113.00	12.98	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/22/91	125.98	111.05	14.93	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/13/91	125.98	110.56	15.42	--	58	<0.5	0.5	0.7	2.3	--	--
01/30/92	125.98	111.28	14.70	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/23/92	125.98	112.15	13.83	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/27/92	125.98	110.68	15.30	--	<50	<0.5	<0.5	<0.5	1.1	--	--
10/26/92	125.98	110.36	15.62	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/29/93	125.98	116.72	9.26	--	<50	3.0	8.0	1.0	5.0	--	--
04/30/93	125.98	116.32	9.66	--	<1300	<13	<13	<13	<13	--	--
07/14/93	125.98	114.08	11.90	--	<50	0.8	2.0	0.8	4.0	--	--
10/27/93	125.98	112.49	13.49	--	<50	1.0	2.0	1.0	2.0	--	--
01/13/94	125.98	113.99	11.99	--	<50	<0.5	0.6	<0.5	<0.5	--	--
04/22/94	125.98	113.25	12.73	--	<50	0.6	<0.5	<0.5	1.7	--	--
07/29/94	125.98	113.68	12.30	--	<50	<0.5	0.9	<0.5	<0.5	--	--
10/25/94	125.98	112.59	13.39	--	<50	<0.5	0.8	<0.5	2.1	--	--
01/19/95	125.98	117.27	8.71	--	<50	<0.5	2.3	<0.5	<0.5	--	--

NO LONGER MONITORED OR SAMPLED

*TPH-Diesel not detected at detection limit of 1000 ppb. Oil and Grease not detected at detection limit of 5000 ppb.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	EDB
MW-3											
12/05/89	127.84	--	--	*	24,000	2400	1800	360	2600	<0.5	<0.5
12/05/89	127.84	--	--	Duplicate	24,000	2500	1900	390	2600	<0.5	<0.5
03/23/90	127.84	110.34	17.50	--	--	--	--	--	--	--	--
05/24/90	127.84	--	--	--	9000	2600	1700	250	1500	--	--
05/24/90	127.84	--	--	Duplicate	10,000	2600	1800	260	1600	--	--
09/06/90	126.77	108.05	18.72	--	3500	900	550	110	460	<0.5	<0.5
09/25/90	126.77	108.37	18.40	--	--	--	--	--	--	--	--
11/29/90	126.77	107.80	18.97	--	9200	1100	1100	210	1100	--	--
02/20/91	126.77	107.57	19.20	--	8800	960	780	200	920	--	--
04/19/91	126.77	108.96	17.81	--	--	--	--	--	--	--	--
05/22/91	126.77	108.89	17.88	--	28,000	5800	1200	460	2300	--	--
08/01/91	126.77	107.54	19.23	--	--	--	--	--	--	--	--
08/22/91	126.77	106.60	20.17	--	21,000	3100	2000	480	2000	--	--
08/22/91	126.77	--	--	Duplicate	19,000	2700	1800	420	1700	--	--
11/13/91	126.77	106.82	19.95	--	18,000	2400	1200	450	2200	--	--
01/30/92	126.77	107.63	19.14	--	18,000	3800	920	700	2600	--	--
04/23/92	126.77	109.02	17.75	--	46,000	5000	1900	1000	3500	--	--
07/27/92	126.77	107.77	19.00	--	26,000	4900	1100	1200	3600	--	--
10/26/92	126.77	107.15	19.62	--	6600	1100	41	220	570	--	--
01/29/93	126.77	110.82	15.95	--	32,000	5900	2900	1300	5000	--	--
04/30/93	126.77	111.10	15.67	--	14,000	6100	98	870	2400	--	--
07/14/93	126.77	109.94	16.83	--	12,000	3100	1100	720	2900	--	--
10/27/93	126.77	109.07	17.70	--	19,000	7800	400	1500	3400	--	--
01/13/94	126.77	110.23	16.54	--	51,000	3700	140	720	1800	--	--
04/22/94	126.77	109.75	17.02	--	22,000	9300	89	1200	2400	--	--
07/29/94	126.77	109.82	16.95	--	13,000	4700	44	580	420	--	--
10/25/94	126.77	109.11	17.66	--	24,000	8700	52	1500	1400	--	--
01/19/95	126.77	112.90	13.87	--	17,000	9300	36	1600	740	--	--
10/12/95	126.77	112.54	14.23	--	37,000	12,000	180	1800	1500	13,000	--
04/11/96	126.77	115.73	11.04	--	19,000	2400	81	1400	1500	6800	--
10/03/96	126.77	112.15	14.62	Sampled annually	--	--	--	--	--	--	--

NO LONGER MONITORED OR SAMPLED

*Oil and Grease not detected at detection limit of 5000 ppb.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	EDB
MW-4											
12/05/89	125.22	--	--	--	19,000	390	1300	460	1800	<0.5	<0.5
03/23/90	125.22	109.20	16.02	--	--	--	--	--	--	--	--
05/24/90	125.22	--	--	--	4500	210	440	140	480	--	--
09/06/90	125.22	107.87	17.35	--	6000	680	520	170	580	<0.5	<0.5
09/25/90	125.22	107.74	17.48	--	--	--	--	--	--	--	--
11/29/90	125.22	107.61	17.61	--	15,000	800	1000	430	1700	--	--
02/20/91	125.22	107.41	17.81	--	15,000	640	390	420	1600	--	--
02/20/91	125.22	--	--	Duplicate	15,000	680	410	430	1600	--	--
04/19/91	125.22	109.42	15.80	--	--	--	--	--	--	--	--
05/22/91	125.22	108.54	16.68	--	9800	580	140	310	740	--	--
05/22/91	125.22	--	--	Duplicate	7200	520	130	270	670	--	--
06/10/91	--	--	--	Redesignated EW-3	--	--	--	--	--	--	--
EW-3											
08/01/91	125.22	107.73	17.49	--	--	--	--	--	--	--	--
10/27/93	125.22	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/13/94	125.22	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/22/94	125.22	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/29/94	125.22	--	--	--	<50	1.3	1.3	0.6	5.3	--	--
10/25/94	125.22	109.02	16.20	--	--	--	--	--	--	--	--
01/19/95	125.22	112.51	12.71	--	240	45	0.8	22	48	--	--
04/03/97	125.22	112.89	12.33	--	450	140	<1.2	4.3	3.9	17	--
10/07/97	125.22	110.64	14.58	--	1900	510	<5.0	26	8.7	12	--

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	EDB
MW-5											
03/23/90	125.85	108.96	16.89	--	--	--	--	--	--	--	--
05/25/90	125.85	--	--	--	28,000	920	1100	460	1300	2.4	2.4
09/07/90	125.85	107.42	18.46	Free Product (0.04')	--	--	--	--	--	--	--
09/25/90	125.85	107.54	18.87	Free Product (1.30')	--	--	--	--	--	--	--
11/29/90	125.85	107.31	18.91	Free Product (0.71')	--	--	--	--	--	--	--
02/20/91	125.85	109.24	16.99	Free Product (0.47')	--	--	--	--	--	--	--
04/19/91	125.85	107.58	19.30	Free Product (0.48')	--	--	--	--	--	--	--
05/22/91	125.85	108.42	17.69	Free Product (0.33')	--	--	--	--	--	--	--
06/10/91	--	--	--	Redesignated EW-2	--	--	--	--	--	--	--
EW-2											
08/01/91	125.79	107.72	18.07	--	--	--	--	--	--	--	--
04/22/94	125.79	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/25/94	125.79	109.10	16.69	--	--	--	--	--	--	--	--
01/19/95	125.79	113.59	12.20	--	1700	540	69	56	400	--	--
05/01/95	125.79	113.63	12.16	--	<50	13	<0.5	<0.5	2.1	--	--

NO LONGER MONITORED OR SAMPLED

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	EDB
MW-6											
03/23/90	124.18	105.67	18.51	--	--	--	--	--	--	--	--
05/25/90	124.18	--	--	--	<50	<2.0	<3.0	<3.0	<3.0	<0.02	<0.02
09/07/90	124.18	108.00	16.18	--	<50	<2.0	<3.0	<3.0	<3.0	<0.05	<0.05
09/25/90	124.18	107.76	16.42	--	--	--	--	--	--	--	--
11/29/90	124.18	108.07	16.11	--	<50	<0.5	<0.5	<0.5	<0.5	<0.05	<0.05
02/20/91	124.18	108.09	16.09	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/19/91	124.18	109.03	15.15	--	--	--	--	--	--	--	--
05/22/91	124.18	108.77	15.41	--	<50	0.5	0.7	<0.5	1.1	--	--
08/23/91	124.18	106.38	17.80	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/14/91	124.18	107.66	16.52	--	<50	<0.5	<0.5	<0.5	<0.5	<0.02	<0.02
11/14/91	124.18	--	--	Duplicate	<50	<0.5	0.6	<0.5	1.1	<0.05	<0.05
01/31/92	124.18	107.70	16.48	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/31/92	124.18	--	--	Duplicate	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/23/92	124.18	107.98	16.20	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/23/92	124.18	--	--	Duplicate	--	--	--	--	--	--	--
07/27/92	124.18	107.66	16.52	--	<50	1.2	0.6	<0.5	1.9	--	--
10/26/92	124.18	107.06	17.12	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/29/93	124.18	111.05	13.13	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/30/93	124.18	109.32	14.86	--	<50	<0.5	<0.5	<0.5	0.6	--	--
07/14/93	124.18	109.57	14.61	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/27/93	124.18	108.80	15.38	--	<50	0.9	1.0	0.6	1.0	--	--
01/13/94	124.18	108.84	15.34	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/22/94	124.18	109.11	15.07	--	<50	<0.5	<0.5	<0.5	2.5	--	--
07/29/94	124.18	108.88	15.30	--	<50	7.5	1.2	1.0	1.1	--	--
10/25/94	124.18	108.49	15.69	--	<50	<0.5	<0.5	<0.5	1.2	--	--
01/19/95	124.18	112.69	11.49	--	<50	<0.5	3.1	<0.5	0.6	--	--
10/11/95	124.18	110.02	14.16	--	--	--	--	--	--	--	--
11/07/95	124.18	109.88	14.30	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/11/96	124.18	113.55	10.63	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/03/96	124.18	110.84	13.34	--	--	--	--	--	--	--	--

NO LONGER MONITORED OR SAMPLED

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	EDB
MW-7											
03/23/90	126.86	105.46	21.40	--	--	--	--	--	--	--	--
05/25/90	126.86	--	--	--	<50	<2.0	<3.0	<3.0	<3.0	<0.02	<0.02
09/07/90	126.86	108.48	18.38	--	--	--	--	--	--	--	--
09/25/90	126.86	107.61	19.25	--	--	--	--	--	--	--	--
09/27/90	126.86	--	--	--	<50	<2.0	<3.0	<3.0	<3.0	<0.05	<0.05
09/27/90	126.86	--	--	Duplicate	<50	<2.0	<3.0	<3.0	<3.0	<0.05	<0.05
11/29/90	126.86	108.31	18.55	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/91	126.86	108.31	18.55	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/19/91	126.86	109.53	17.33	--	--	--	--	--	--	--	--
05/22/91	126.86	109.44	17.42	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/22/91	126.86	107.81	19.05	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/13/91	126.86	105.02	21.84	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/30/92	126.86	104.44	22.42	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/23/92	126.86	104.82	22.04	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/27/92	126.86	104.62	22.24	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/26/92	126.86	104.75	22.11	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/29/93	126.86	109.79	17.07	--	<50	4.0	13	2.0	8.0	--	--
04/30/93	126.86	112.00	14.86	--	<50	<0.5	<0.5	<0.5	0.6	--	--
07/14/93	126.86	110.76	16.10	--	<50	<0.5	1.0	<0.5	2.0	--	--
10/27/93	126.86	108.15	18.71	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/13/94	126.86	108.97	17.89	--	<50	<0.5	0.9	<0.5	1.0	--	--
04/22/94	126.86	109.92	16.94	--	<50	<0.5	<0.5	<0.5	1.3	--	--
07/29/94	126.86	110.16	16.70	--	74	19	8.2	7.8	11	--	--
10/25/94	126.86	109.44	17.42	--	<50	<0.5	0.6	<0.5	1.6	--	--
01/19/95	126.86	113.20	13.66	--	<50	<0.5	1.4	<0.5	<0.5	--	--

NO LONGER MONITORED OR SAMPLED

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	EDB
MW-8											
09/07/90	123.61	107.54	16.07	--	<50	<0.5	<0.5	<0.5	<0.5	<0.05	<0.05
09/25/90	123.61	107.41	16.20	--	--	--	--	--	--	--	--
11/29/90	123.61	107.31	16.30	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/29/90	123.61	--	--	Duplicate	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/91	123.61	107.29	16.32	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/19/91	123.61	108.90	14.71	--	--	--	--	--	--	--	--
05/22/91	123.61	108.19	15.42	--	<50	0.6	<0.5	<0.5	1.0	--	--
08/22/91	123.61	106.46	17.15	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/14/91	123.61	106.62	16.99	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/30/92	123.61	107.31	16.30	--	<50	1.0	0.7	<0.5	1.1	--	--
04/23/92	123.61	108.56	15.05	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/27/92	123.61	107.53	16.08	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/26/92	123.61	106.89	16.72	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/29/93	123.61	110.79	12.82	--	1400	470	470	37	160	--	--
04/30/93	123.61	110.07	13.54	--	1600	<13	15	18	29	--	--
07/14/93	123.61	108.96	14.65	--	<50	<0.5	0.7	<0.5	2.0	--	--
10/27/93	123.61	108.57	15.04	--	<50	3.0	4.0	2.0	4.0	--	--
01/13/94	123.61	108.47	15.14	--	<50	<0.5	4.0	<0.5	<0.5	--	--
04/22/94	123.61	108.60	15.01	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/28/94	123.61	108.91	14.70	--	69	7.3	18	3.3	12	--	--
10/25/94	123.61	108.41	15.20	--	<50	<0.5	0.8	<0.5	1.6	--	--
01/19/95	123.61	111.61	12.00	--	<50	<0.5	3.1	<0.5	0.7	--	--
05/01/95	123.61	112.21	11.40	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/03/97	123.61	111.89	11.72	--	<200	<2.0	<2.0	<2.0	<2.0	610	--
10/07/97	123.61	110.01	13.60	--	<50	<0.5	<0.5	<0.5	<0.5	500	--

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	EDB
MW-9											
08/22/91	124.20	106.60	17.60	--	9600	46	170	98	1200	<0.05	<0.05
11/14/91	124.20	106.72	17.48	--	11,000	130	58	86	1500	<0.05	<0.05
01/30/92	124.20	107.49	16.71	--	11,000	210	29	110	1900	--	--
04/23/92	124.20	108.97	15.23	--	17,000	180	25	100	1900	--	--
07/27/92	124.20	107.48	16.72	--	2800	59	1.6	18	280	--	--
10/26/92	124.20	106.98	17.22	--	3200	38	<0.5	19	200	--	--
01/29/93	124.20	110.81	13.39	--	1300	23	6.0	8.0	100	--	--
04/30/93	124.20	110.20	14.00	--	<1300	<13	<13	<13	58	--	--
07/14/93	124.20	109.12	15.08	--	1300	25	4.0	15	120	--	--
10/27/93	124.20	108.58	15.62	--	1100	21	10	19	73	--	--
01/13/94	124.20	108.61	15.59	--	80	0.7	3.0	0.6	3.0	--	--
04/22/94	124.20	108.77	15.43	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/29/94	124.20	109.00	15.20	--	1400	19	11	11	69	--	--
10/25/94	124.20	108.50	15.70	--	1200	11	2.0	7.6	28	--	--
01/19/95	124.20	111.62	12.58	--	380	1.6	4.3	1.5	11	--	--
05/01/95	124.20	112.24	11.96	--	350	1.1	<0.5	1.8	2.3	--	--
10/12/95	124.20	110.35	13.85	--	1700	3.8	<2.5	5.3	7.8	18	--
04/11/96	124.20	112.33	11.87	--	140	<0.5	<0.5	<0.5	<0.5	2.8	--
10/03/96	124.20	110.13	14.07	--	53	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/03/97	124.20	111.82	12.38	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/07/97	124.20	110.06	14.14	--	66	1.3	<0.5	<0.5	<0.5	<2.5	--

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	EDB
MW-10											
07/27/92	125.03	107.51	17.52	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/27/92	125.03	106.97	18.06	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/29/93	125.03	110.88	14.15	--	<50	<0.5	<0.5	<0.5	0.7	--	--
04/30/93	125.03	110.35	14.68	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/14/93	125.03	109.23	15.80	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/27/93	125.03	108.70	16.33	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/13/94	125.03	108.74	16.29	--	<50	<0.5	0.5	<0.5	<0.5	--	--
04/22/94	125.03	108.88	16.15	--	<50	<0.5	<0.5	<0.5	1.1	--	--
07/29/94	125.03	109.18	15.85	--	<50	0.8	2.1	0.5	1.3	--	--
10/25/94	125.03	108.62	16.41	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/19/95	125.03	111.74	13.29	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/01/95	125.03	112.43	12.60	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/11/95	125.03	110.49	14.54	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/11/96	125.03	112.56	12.47	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/03/96	125.03	110.29	14.74	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/03/97	125.03	112.04	12.99	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/07/97	125.03	110.17	14.86	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	EDB
MW-11											
07/27/92	122.92	107.54	15.38	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/26/92	122.92	106.95	15.97	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/29/93	122.92	110.68	12.24	--	<50	8.0	16	2.0	10	--	--
04/30/93	122.92	110.15	12.77	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/14/93	122.92	109.08	13.84	--	<50	<0.5	0.7	<0.5	1.0	--	--
10/27/93	122.92	108.69	14.23	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/13/94	122.92	108.68	14.24	--	<50	<0.5	1.0	<0.5	<0.5	--	--
04/22/94	122.92	108.84	14.08	--	<50	<0.5	0.5	<0.5	1.4	--	--
07/29/94	122.92	109.02	13.90	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/25/94	122.92	108.54	14.38	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/19/95	122.92	111.47	11.45	--	<50	<0.5	1.8	<0.5	<0.5	--	--
05/01/95	122.92	111.82	11.10	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/11/95	122.92	110.35	12.57	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/11/96	122.92	111.87	11.05	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/03/96	122.92	110.00	12.92	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/03/97	122.92	111.70	11.22	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/07/97	122.92	109.87	13.05	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
EW-1											
05/25/90	124.95	--	--	--	3900	260	430	64	340	0.03	0.03
08/01/91	124.95	107.41	17.54	--	--	--	--	--	--	--	--
10/27/93	124.95	--	--	--	350	<0.5	<0.5	<0.5	<0.5	--	--
01/13/94	124.95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/22/94	124.95	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/29/94	124.95	--	--	--	97	0.6	0.5	0.6	5.1	--	--
01/19/95	124.95	112.32	12.63	--	3000	1600	100	350	760	--	--

NO LONGER MONITORED OR SAMPLED

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	EDB
TRIP BLANK											
02/20/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/22/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/22/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/13/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/30/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/23/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/27/92	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
10/26/92	--	--	--	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	--
01/29/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/30/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/14/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/27/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/13/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/22/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/29/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/25/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/19/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/01/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/12/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/11/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/03/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/03/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/07/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on May 1, 1995. Earlier field data and analytical results provided by Sierra Environmental.

ABBREVIATIONS:
TPH = Total Petroleum Hydrocarbons
MTBE = Methyl t-Butyl Ether
EDB = Ethylene Dibromide

Analytical Appendix

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Tech Services	Client Proj. ID: Chevron 9-8139/971007-G1	Sampled: 10/07/97
1680 Rogers Avenue	Sample Descript: MW8	Received: 10/08/97
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 10/14/97
Attention: Fran Thie	Lab Number: 9710630-01	Reported: 10/17/97

QC Batch Number: GC101497BTEX06A
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	**6.2**	**500**
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	88

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Renner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Tech Services	Client Proj. ID: Chevron 9-8139/971007-G1	Sampled: 10/07/97
1680 Rogers Avenue	Sample Descript: MW9	Received: 10/08/97
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 10/14/97
Attention: Fran Thie	Lab Number: 9710630-02	Reported: 10/17/97

QC Batch Number: GC101497BTEX06A
Instrument ID: GCHP06

Total Purgeable Petroleum 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**	**1.3**
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Weathered Gas		**C6-C12**

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

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Tech Services	Client Proj. ID: Chevron 9-8139/971007-G1	Sampled: 10/07/97
1680 Rogers Avenue	Sample Descript: MW10	Received: 10/08/97
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 10/14/97
Attention: Fran Thie	Lab Number: 9710630-03	Reported: 10/17/97

QC Batch Number: GC101497BTEX06A
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	85

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Tech Services	Client Proj. ID: Chevron 9-8139/971007-G1	Sampled: 10/07/97
1680 Rogers Avenue	Sample Descript: MW11	Received: 10/08/97
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 10/14/97
Attention: Fran Thie	Lab Number: 9710630-04	Reported: 10/17/97

QC Batch Number: GC101497BTEX06A
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	85

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Tech Services	Client Proj. ID: Chevron 9-8139/971007-G1	Sampled: 10/07/97
1680 Rogers Avenue	Sample Descript: EW-3	Received: 10/08/97
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 10/15/97
Attention: Fran Thie	Lab Number: 9710630-05	Reported: 10/17/97

QC Batch Number: GC101597BTEX07A
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**500**	**1900**
Methyl t-Butyl Ether	**5.0**	**12**
Benzene	**5.0**	**510**
Toluene	5.0	N.D.
Ethyl Benzene	**5.0**	**26**
Xylenes (Total)	**5.0**	**8.7**
Chromatogram Pattern:		**Gas**

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

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Tech Services	Client Proj. ID: Chevron 9-8139/971007-G1	Sampled: 10/07/97
1680 Rogers Avenue	Sample Descript: TB	Received: 10/08/97
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 10/14/97
Attention: Fran Thie	Lab Number: 9710630-06	Reported: 10/17/97

QC Batch Number: GC101497BTEX06A
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	84

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

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

Client Project ID: Chevron 9-8139 / 971007-G1
Matrix: Liquid
Work Order #: 9710630 -01-04, 06
Reported: Oct 22, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC101497BTEX06A	GC101497BTEX06A	GC101497BTEX06A	GC101497BTEX06A	GC101497BTEX06A
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:	A. Porter	A. Porter	A. Porter	A. Porter	A. Porter
MS/MSD #:	971026504	971026504	971026504	971026504	971026504
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	10/14/97	10/14/97	10/14/97	10/14/97	10/14/97
Analyzed Date:	10/14/97	10/14/97	10/14/97	10/14/97	10/14/97
Instrument I.D.#:	GCHP6	GCHP6	GCHP6	GCHP6	GCHP6
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	8.6	8.4	8.9	27	58
MS % Recovery:	86	84	89	90	97
Dup. Result:	8.9	8.5	9.1	28	59
MSD % Recov.:	89	85	91	93	98
RPD:	3.4	1.2	2.2	3.6	1.7
RPD Limit:	0-25	0-25	0-25	0-25	0-25
LCS #:	BLK101497	BLK101497	BLK101497	BLK101497	BLK101497
Prepared Date:	10/14/97	10/14/97	10/14/97	10/14/97	10/14/97
Analyzed Date:	10/14/97	10/14/97	10/14/97	10/14/97	10/14/97
Instrument I.D.#:	GCHP6	GCHP6	GCHP6	GCHP6	GCHP6
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	8.5	8.8	9.2	28	58
LCS % Recov.:	85	88	92	93	97
MS/MSD Control Limits	60-140	60-140	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

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

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

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

Client Project ID: Chevron 9-8139 / 971007-G1
Matrix: Liquid
Work Order #: 9710630-05

Reported: Oct 22, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC101597BTEX07A	GC101597BTEX07A	GC101597BTEX07A	GC101597BTEX07A	GC101597BTEX07A
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:	A. Porter	A. Porter	A. Porter	A. Porter	A. Porter
MS/MSD #:	971063004	971063004	971063004	971063004	971063004
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	10/15/97	10/15/97	10/15/97	10/15/97	10/15/97
Analyzed Date:	10/15/97	10/15/97	10/15/97	10/15/97	10/15/97
Instrument I.D.#:	GCHP7	GCHP7	GCHP7	GCHP7	GCHP7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	7.8	8.5	7.9	24	55
MS % Recovery:	78	85	79	80	92
Dup. Result:	7.1	7.0	7.2	22	49
MSD % Recov.:	71	70	72	73	82
RPD:	9.4	19	9.3	8.7	12
RPD Limit:	0-25	0-25	0-25	0-25	0-25
LCS #:	BLK101597	BLK101597	BLK101597	BLK101597	BLK101597
Prepared Date:	10/15/97	10/15/97	10/15/97	10/15/97	10/15/97
Analyzed Date:	10/15/97	10/15/97	10/15/97	10/15/97	10/15/97
Instrument I.D.#:	GCHP7	GCHP7	GCHP7	GCHP7	GCHP7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	7.9	7.8	8.0	24	55
LCS % Recov.:	79	78	80	80	92
MS/MSD Control Limits	60-140	60-140	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

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

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

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Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112 Attention: Fran Thie	Client Proj. ID: Chevron 9-8139/971007-G1 Lab Proj. ID: 9710630	Received: 10/08/97 Reported: 10/17/97

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 9 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

TPPH Note: Sample 9710630-01 was diluted 1-fold and 2.5-fold.
Sample 9710630-05 was diluted 10-fold.

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

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: 9-8139
Facility Address: 16304 Foothill Blvd., San Leandro, CA
Consultant Project Number: 971007-61
Consultant Name: Blaine Tech Services, Inc.
Address: 1680 Rogers Ave., San Jose, CA 95112
Project Contact (Name): Fran Thie
(Phone) (408) 573-0555 (Fax Number) (408) 573-7771

Chevron Contact (Name): Tammy Hodge
(Phone) (510) 842-9449
Laboratory Name: Sequoia
Laboratory Release Number: 9029546
Samples Collected by (Name): Morgan Gillies
Collection Date: 10/7/97
Signature:

Analyses To Be Performed: 9710630

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	MTBE				
MW-8	1	3	W		934	HCL	Yes	X								X				
MW-9	2				910			X								X				
MW-10	3				1001			X								X				
MW-11	4				851			X								X				
EW-3	5				1024			X								X				
TB	6	2	W					X								X				

DO NOT BILL FOR TB-LB.

Remarks: 8 4 47

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BTS	10/8 2:55		Seq. Air	10/9/97 2:55
By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	Seq. Air				
(Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

Field
Data
Sheets

WELL GAUGING DATA

Project # 971007-G1 Date 10/7/97 Client Chevron 9-8139

Site 16304 Foothill Blvd, San Leandro, CA

Well I.D.	Well Size (in.)	Sheen/ Odor	Depth to Immiscible Liquid (feet)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to Water (feet)	Depth to Well Bottom (feet)	Survey Point: TOB or TOC
EW-3	4	Odor				14.58	29.94	TOC
MW-8	2					13.60	30.82	↓
MW-9	2					14.14	26.67	
MW-10	2					14.86	29.51	
MW-11	2					13.05	29.40	↓

CHEVRON WELL MONITORING DATA SHEET

Project #: 971007-G1	Station #: 9-8139
Sampler: MG	Date: 10/7/97
Well I.D.: MW-~~2~~8	Well Diameter: ② 3 4 6 8 ___
Total Well Depth: 30.82	Depth to Water: 13.60
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	radius² * 0.163

Purge Method: Bailer / ~~Disposable Bailer~~ / Middleburg / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: Bailer / ~~Disposable Bailer~~ / Extraction Port / Other: ___

2.8 (1 Case Volume (Gals.)) × 3 (Specified Volumes) = 8.4 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
923	69.0	7.4	860	3	
926	68.4	7.3	840	6	
929	67.8	7.3	840	9	

Did well dewater? Yes (No)		Gallons actually evacuated: 9	
Sampling Time: 934		Sampling Date: 10/7/97	
Sample I.D.: MW-~~2~~8		Laboratory: (Sequoia) GTEL N. Creek Assoc. Labs	
Analyzed for: (TPH-G) BTEX ~~MTBE~~ TPH-D Other:			
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D Other:		
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 971007-61	Station #: 9-8139
Sampler: MG	Date: 10/7/97
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 26.67	Depth to Water: 14.14
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	radius² * 0.163

Purge Method:
- Bailer
- (X) Disposable Bailer
- Middleburg
- Electric Submersible
- Extraction Pump
- Other: ___

Sampling Method:
- Bailer
- (X) Disposable Bailer
- Extraction Port
- Other: ___

2.0 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 6.0 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
901	68.2	7.2	800	2.2	
903	67.8	7.1	790	4.4	
905	67.2	7.1	760	6.5	

Did well dewater? Yes (No)		Gallons actually evacuated: 6.5	
Sampling Time: 910		Sampling Date: 10/7/97	
Sample I.D.: MW-9		Laboratory: (Sequoia) GTEL N. Creek Assoc. Labs	
Analyzed for: (TPH-G BTEX MTBE) TPH-D Other:			
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D Other:		
D.O. (if req'd):	Pre-purge: ___ mg/L	Post-purge: ___	mg/L
O.R.P. (if req'd):	Pre-purge: ___ mV	Post-purge: ___	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 971007-61	Station #: 9-8139
Sampler: MG	Date: 10/7/97
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 29.51	Depth to Water: 14.86
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	radius² * 0.163

Purge Method:
- Bailer
- ~~Disposable Bailer~~
- Middleburg
- Electric Submersible
- Extraction Pump
- Other: ____

Sampling Method:
- Bailer
- ~~Disposable Bailer~~
- Extraction Port
- Other: ____

2.3 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 6.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
952	69.2	7.3	920	2.5	
954	68.8	7.2	900	5	
956	68.6	7.2	840	7.5	

Did well dewater? Yes (No)		Gallons actually evacuated: 7.5	
Sampling Time: 1001		Sampling Date: 10/7/97	
Sample I.D.: MW-10		Laboratory: (Sequoia) GTEL	
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 #: 971007-61	Station #: 9-8139
Sampler: MG	Date: 10/7/97
Well I.D.: MW-11	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 29.40	Depth to Water: 13.05
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	radius² * 0.163

Purge Method: Bailer / ~~Disposable Bailer~~ / Middleburg / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: Bailer / ~~Disposable Bailer~~ / Extraction Port / Other: ___

2.6 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 7.8 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
840	67.8	7.4	880	2.7	
843	67.4	7.3	840	5.4	
846	67.0	7.3	800	8	

Did well dewater? Yes (No) Gallons actually evacuated: 8

Sampling Time: 851 Sampling Date: 10/7/97

Sample I.D.: MW-11 Laboratory: (Sequoia) GTEL N. Creek Assoc. Labs

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

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

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

CHEVRON WELL MONITORING DATA SHEET

Project #: 971007-61	Station #: 9-8139
Sampler: MG	Date: 10/7/97
Well I.D.: EW-3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 29.94	Depth to Water: 14.58
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	radius² * 0.163

Purge Method:
- Bailer
- Disposable Bailer
- Middleburg
- X Electric Submersible
- Extraction Pump
- Other: ___

Sampling Method:
- Bailer
- X Disposable Bailer
- Extraction Port
- Other: ___

10.0 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 30 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1017	69.8	7.3	840	10	Odor
1018	69.2	7.2	840	20	
1019	68.6	7.2	820	30	
		* Removed Extraction Pump			

Did well dewater? Yes (No)		Gallons actually evacuated: 30	
Sampling Time: 1024		Sampling Date: 10/7/97	
Sample I.D.: EW-3		Laboratory: (Sequoia) GTEL	
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	