Chevron

December 9, 1998

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

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

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 1998 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. Monitoring wells EW-3, MW-8, MW-9, MW-10, and MW-11 are currently being sampled semi-annually, in the 2nd and 4th quarters. **Well EW-2 was inaccessible due to an extraction pump installed in the well casing.** An effort will be made in the next sampling event to take a sample from this well.

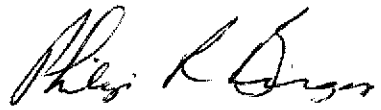
Monitoring wells MW-10 and MW-11 were below method detection limits for all the constituents, while wells MW-8 and MW-9 were below method detection limits for the BTEX constituents. The benzene constituent declined in monitoring well EW-3 from the previous sampling event. **The MtBE constituent increased significantly in wells EW-3, MW-8 and MW-9 from the previous sampling event,** which could be an anomaly. Additional sampling will be needed to confirm this. In the next sampling event, EPA **Method 8260 will confirm the presence of the MtBE constituent in these three well.**

Depth to groundwater varied from 12.34 feet to 13.06 feet below grade with the direction of flow southwesterly.

Note that wells EW-1, MW-1, MW-2, MW-3, MW-6 and MW-7 have been abandoned.

Chevron will continue to monitor the site as outlined above. If you have any questions call me at (925) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY



Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

Cc. Mr. Chuck Headlee
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, CA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE

December 7, 1998

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

4th Quarter 1998 Monitoring at 9-8139

Fourth Quarter 1998 Groundwater Monitoring at
Chevron Service Station Number 9-8139
16304 Foothill Blvd.
San Leandro, CA

Monitoring Performed on October 13 & 23, 1998

Groundwater Sampling Report **981013-Y-2**

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,

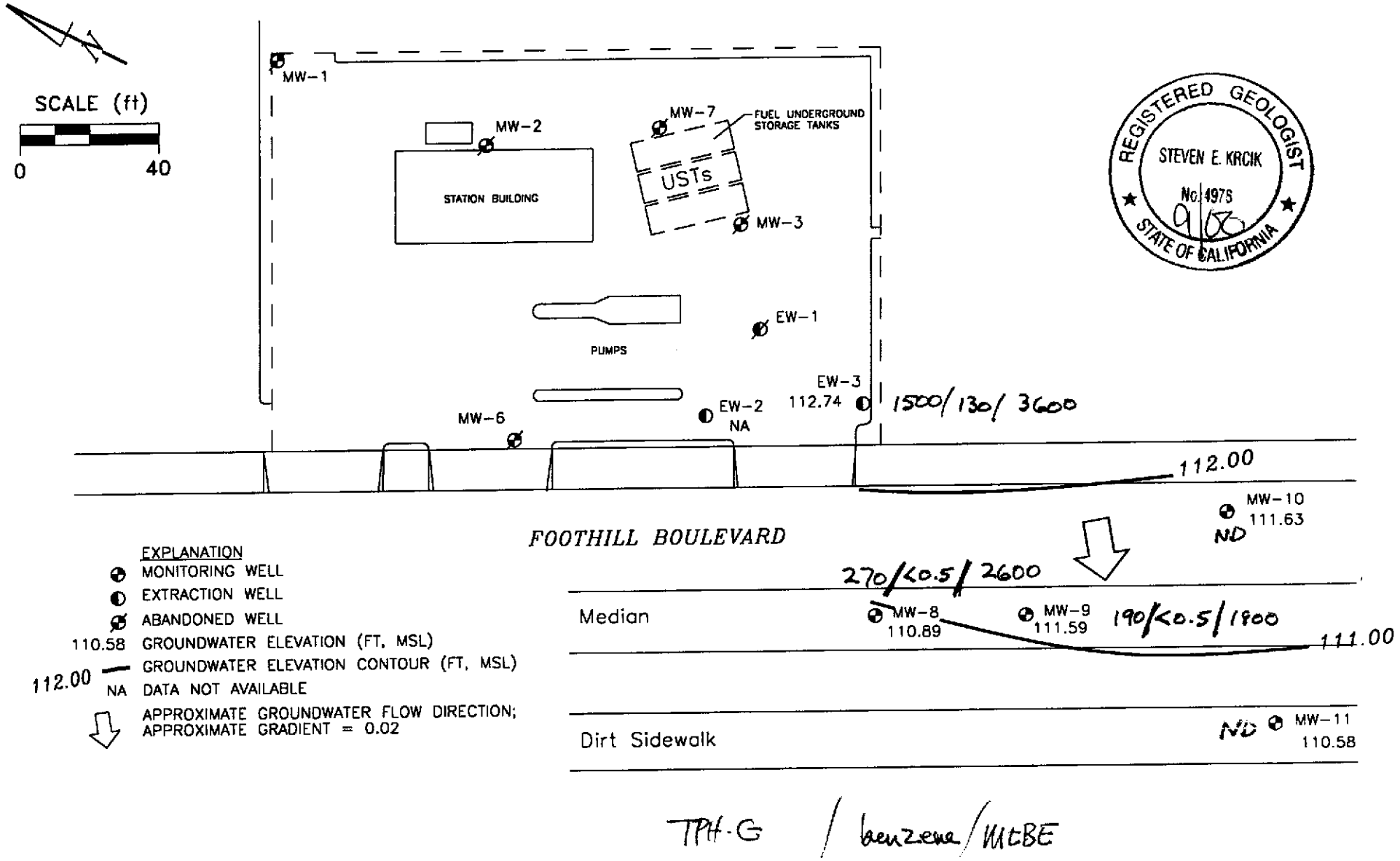
Christine Little For :

Francis Thie
Vice President

FPT/mt

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

Professional Engineering Appendix



REGISTERED GEOLOGIST
STEVEN E. KRCIK
No. 4975
9/98
STATE OF CALIFORNIA

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 13, 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. 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	Well Abandoned	<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	Well Abandoned	<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	Well Abandoned	--	--	--	--	--	--	--

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	--
04/14/98	125.22	--	--	Inaccessible	--	--	--	--	--	--	--
10/13/98	125.22	112.74	12.48	--	1500	130	<2.5	9.0	4.7	3600	--

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	Well Abandoned	--	--	--	--	--	--	--

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	Well Abandoned	<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	--
04/14/98	123.61	114.86	8.75	--	<50	<0.5	<0.5	<0.5	<0.5	120	--
10/13/98	123.61	110.89	12.72	--	270	<0.5	<0.5	<0.5	<0.5	2600	--

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	--
04/14/98	124.20	114.65	9.55	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/13/98	124.20	111.59	12.61	--	190	<0.5	<0.5	<0.5	<0.5	1900	--

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	--
04/14/98	125.03	114.79	10.24	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/13/98	124.69*	111.63	13.06	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--

* Wellhead elevation altered due to wellhead maintenence.

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	--
04/14/98	122.92	113.87	9.05	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/13/98	122.92	110.58	12.34	--	<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	Well Abandoned	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	--
04/14/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/13/98	--	--	--	--	<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, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Chevron 9-8139/981013-Y2	Sampled: 10/13/98
1680 Rogers Avenue	Sample Descript: MW8	Received: 10/13/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 10/19/98
Attention: Fran Thie	Lab Number: 9810A08-01	Reported: 10/23/98

QC Batch Number: GC101998802005A
Instrument ID: HP5

Total Purgeable Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**50**	**270**
Methyl t-Butyl Ether	**50**	**2600**
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Unidentified HC		**C6-C12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	93

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

SEQUOIA ANALYTICAL - ELAP #1271

Mike Gregory
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, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Chevron 9-8139/981013-Y2	Sampled: 10/13/98
1680 Rogers Avenue	Sample Descript: MW9	Received: 10/13/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 10/19/98
Attention: Fran Thie	Lab Number: 9810A08-02	Reported: 10/23/98

QC Batch Number: GC101998802005A
Instrument ID: HP5

Total Purgeable Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**50**	**190**
Methyl t-Butyl Ether	**50**	**1900**
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Unidentified HC		**C6-C12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	93

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	Client Proj. ID: Chevron 9-8139/981013-Y2	Sampled: 10/13/98
1680 Rogers Avenue	Sample Descript: MW10	Received: 10/13/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 10/20/98
Attention: Fran Thie	Lab Number: 9810A08-03	Reported: 10/23/98

QC Batch Number: GC102098802002A
Instrument ID: HP2

Total Purgeable 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	100

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

SEQUOIA ANALYTICAL - ELAP #1271

Mike Gregory
Project Manager

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Chevron 9-8139/981013-Y2	Sampled: 10/13/98
1680 Rogers Avenue	Sample Descript: MW11	Received: 10/13/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 10/19/98
Attention: Fran Thie	Lab Number: 9810A08-04	Reported: 10/23/98

QC Batch Number: GC101998802005A
Instrument ID: HP5

Total Purgeable 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	99

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	Client Proj. ID: Chevron 9-8139/981013-Y2	Sampled: 10/13/98
1680 Rogers Avenue	Sample Descript: EW3	Received: 10/13/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 10/19/98
Attention: Fran Thie	Lab Number: 9810A08-05	Reported: 10/23/98

QC Batch Number: GC101998802005A
Instrument ID: HP5

Total Purgeable Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**250**	**1500**
Methyl t-Butyl Ether	**50**	**3600**
Benzene	**2.5**	**130**
Toluene	2.5	N.D.
Ethyl Benzene	**2.5**	**9.0**
Xylenes (Total)	**2.5**	**4.7**
Chromatogram Pattern:		**GAS**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	93

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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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Chevron 9-8139/981013-Y2	Sampled: 10/13/98
1680 Rogers Avenue	Sample Descript: TB	Received: 10/13/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 10/19/98
Attention: Fran Thie	Lab Number: 9810A08-06	Reported: 10/23/98

QC Batch Number: GC101998802005A
Instrument ID: HP5

Total Purgeable 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	105

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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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Chevron 9-8139/981013-Y2	Received: 10/13/98
1680 Rogers Avenue		
San Jose, CA 95112	Lab Proj. ID: 9810A08	Reported: 10/23/98
Attention: Fran Thie		

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 10 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

TPH-GAS/BTEX:
Sample 9810A08-05 was diluted 5-fold.

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

Sequoia Analytical

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

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

Client Project ID: Chevron 9-8139/ 981013-Y2
Matrix: Liquid
Work Order #: 9810A08 -01, 02, 04-06
Reported: Oct 27, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX as TPH
QC Batch#:	GC101998802005A	GC101998802005A	GC101998802005A	GC101998802005A	GC101998802005A
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:	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb
MS/MSD #:	8101100	8101100	8101100	8101100	8101100
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	10/19/98	10/19/98	10/19/98	10/19/98	10/19/98
Analyzed Date:	10/19/98	10/19/98	10/19/98	10/19/98	10/19/98
Instrument I.D.#:	HP5	HP5	HP5	HP5	HP5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	280 µg/L
Result:	17	18	18	56	280
MS % Recovery:	85	90	90	93	100
Dup. Result:	17	18	18	58	280
MSD % Recov.:	85	90	90	97	100
RPD:	0.0	0.0	0.0	3.5	0.0
RPD Limit:	0-20	0-20	0-20	0-20	0-50
LCS #:	LCS101998	LCS101998	LCS101998	LCS101998	LCS101998
Prepared Date:	10/19/98	10/19/98	10/19/98	10/19/98	10/19/98
Analyzed Date:	10/19/98	10/19/98	10/19/98	10/19/98	10/19/98
Instrument I.D.#:	HP5	HP5	HP5	HP5	HP5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	280 µg/L
LCS Result:	18	19	19	59	260
LCS % Recov.:	90	95	95	98	93
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
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

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

Client Project ID: Chevron 9-8139/ 981013-Y2
Matrix: Liquid
Work Order #: 9810A08-03

Reported: Oct 27, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX as TPH
QC Batch#:	GC102098802002A	GC102098802002A	GC102098802002A	GC102098802002A	GC102098802002A
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 #:	8101100	8101100	8101100	8101100	8101100
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	10/20/98	10/20/98	10/20/98	10/20/98	10/20/98
Analyzed Date:	10/20/98	10/20/98	10/20/98	10/20/98	10/20/98
Instrument I.D.#:	HP2	HP2	HP2	HP2	HP2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	450 µg/L
Result:	17	17	18	57	420
MS % Recovery:	85	85	90	95	93
Dup. Result:	17	17	18	59	420
MSD % Recov.:	85	85	90	98	93
RPD:	0.0	0.0	0.0	3.4	0.0
RPD Limit:	0-20	0-20	0-20	0-20	0-50
LCS #:	LCS102098	LCS102098	LCS102098	LCS102098	LCS102098
Prepared Date:	10/20/98	10/20/98	10/20/98	10/20/98	10/20/98
Analyzed Date:	10/20/98	10/20/98	10/20/98	10/20/98	10/20/98
Instrument I.D.#:	HP2	HP2	HP2	HP2	HP2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	450 µg/L
LCS Result:	17	18	19	60	430
LCS % Recov.:	85	90	95	100	96
MS/MSD Control Limits	60-140	60-140	60-140	60-140	
LCS Control Limits	70-130	70-130	70-130	70-130	60-140

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

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

Chain-of-Custody-Re

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: 981013 Y2
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): Phil ~~Briggs~~
(Phone): (510 842-9136
Laboratory Name: Sequoia
Laboratory Release Number: 9029546
Samples Collected by (Name): BROOKS TAYLOR
Collection Date: 10/13/98
Signature:

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)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015) MTBE	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)	Remarks
MW8X	01	3	W		1345	HCl	Y	X								
MW9X	02	3			1410			X								
MW10X	03	3			1508			X								
MW11X	04	3			1440			X								
EW3X	05	3			1525			X								
TB X	06	2			1347			X								DO NOT BILL FOR TB-LB.

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Turn Around Time (Circle Choice)
	BTS	10/13/98 510		Sequoia	10/13/98 5:10	24 Hrs.
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	48 Hrs.
		10/13/98				5 Days
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	10 Days
					10/13/98 838	As Contracted

COC-3.DWG/03-01/MGH

Field
Data
Sheets

WELL GAUGING DATA

Project # 981023-22 Date 10/23/98 Client CHEVRON #9-8139
16304 Foothill Blvd.
San Leandro, CA

Site

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
EW-2	4	w/pump in well				12.75	22.30	TOC	
EW-3	4	w/pump removed				14.01	29.92	V	

CHEVRON WELL MONITORING DATA SHEET

Project #: 981023-Z2	Station #: 9-8139
Sampler: JR	Date: 10/23/98
Well I.D.: EW-2	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	radius² * 0.163

Purge Method: Bailer, Disposable Bailer, Middleburg, Electric Submersible, Extraction Pump, Other: _____

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Other: _____

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

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
	DID NOT SAMPLE WELL DUE TO				
	DEDICATED PUMP STUCK IN WELL				

Did well dewater? Yes No	Gallons actually evacuated:		
Sampling Time:	Sampling Date:		
Sample I.D.:	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

WELL GAUGING DATA

Project # 981013 Y2 Date 10/13/98 Client CHEV

Site 16304 FOOTHILL BLVD SAN LEANDRO

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW6	2					12.72	30.71	TOC	
MW7	2					12.61	26.64		
MW10	2					13.06	29.41		
MW11	2					12.34	29.32		
MW13	4					12.48	29.86		

CHEVRON WELL MONITORING DATA SHEET

Project #: 98103 Y2	Station #: 9-8139.
Sampler: B. TAYLOR	Date: 10/13/98
Well I.D.: MW8	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 30.71	Depth to Water: 12.72
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 X / Middleburg / Electric Submersible / Extraction Pump / Other: ___

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

3	x	3	=	9 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1337	72.2	6.9	815	3	
1337	69.8	6.7	613	6	
1340	69.7	6.5	604	9	

Did well dewater? Yes (No)		Gallons actually evacuated: 9	
Sampling Time: 1345		Sampling Date: 10/13/98	
Sample I.D.: MW8		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 #: 981013 Y2	Station #: 9-8135
Sampler: B TAYLOR	Date: 10/13/98
Well I.D.: MW9	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 12.61	Depth to Water: 26.64
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 X
- Middleburg
- Electric Submersible
- Extraction Pump
- Other: ___

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

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

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1401	69.5	7.3	865	2.5	
1404	68.9	7.1	769	6.0	
1406	69.1	7.0	768	7.0	

Did well dewater? Yes (No)		Gallons actually evacuated: 7.0	
Sampling Time: 1410		Sampling Date: 10/13/98	
Sample I.D.: MW9		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
R.P. (if req'd):	Pre-purge:	mV	Post-purge: mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 981013 Y2	Station #: 9-8137
Sampler: B. TAYLOR	Date: 10/13/98
Well I.D.: MW10	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 29.41	Depth to Water: 13.06
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 X
- Middleburg
- Electric Submersible
- Extraction Pump
- Other: _____

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

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

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1456	69.7	7.3	701	3	
1459	68.9	6.9	681	6	
1503	68.7	7.0	692	8	

Did well dewater? Yes (No)		Gallons actually evacuated: 8	
Sampling Time: 1508		Sampling Date: 10/13/98	
Sample I.D.: MW10		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 #: 981013 Y2	Station #: 9-8139
Sampler: B. TAYLOR	Date: 10/13/98
Well I.D.: MW 11	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 29.32	Depth to Water: 12.34
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 X / Middleburg / Electric Submersible / Extraction Pump / Other: ___

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

2.7 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 8.1 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1429	68.2	7.2	684	3	
1433	68.1	7.1	680	6	
1437	68.1	7.1	663	9	

Did well dewater? Yes (No)		Gallons actually evacuated: 9	
Sampling Time: 1440		Sampling Date: 10/13/98	
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 #: 9810132	Station #: 9-8139
Sampler: B. TAYLOR	Date: 10/13/98
Well I.D.: EW 3	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 29.86	Depth to Water: 12.48
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 X / Extraction Pump / Other: ___

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

11.3 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 33.9 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1512	69.7	7.3	780	12	
1519	68.7	7.1	653	24	
1520	67.6	7.0	672	34	
	* REMOVED EXTRACTION PUMP TO SAMPLE				

Did well dewater? Yes (No) Gallons actually evacuated: 34

Sampling Time: 1525 Sampling Date: 10/13/98

Sample I.D.: EW 3 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