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

April 24, 1997

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

Re: Chevron Service Station #9-6991
2920 Castro Valley Blvd., Castro Valley, California

Dear Ms. Leech:

Enclosed is the First Quarter 1997 Groundwater Monitoring Report that was prepared by our consultant Blaine Tech Services Inc., for the above noted site. The groundwater samples collected were analyzed for TPH-g, TPH-d, BTEX and MtBE in monitoring wells MW-1, MW-2 and MW-7. Samples are collected from monitoring wells MW-1 annually (1st quarter), MW-2 semi-annually (1st and 3rd quarters) and MW-7 quarterly with the reports submitted semi-annually (1st and 3rd quarters).

The benzene constituent detected in wells MW-1 and MW-2 declined from the previous sampling event but increased slightly in well MW-7 in the Fourth Quarter, but than declined in the First Quarter. The MtBE constituent for monitoring well MW-2 declined from the previous sampling event, while continuing to below the method detection limit in well MW-1. EPA Method 8260 was used in well MW-7 to verify the presence of the MtBE constituent. The results of the sampling was 2000 ppb by 8260 vs. 2100 ppb by 8020 ppb in First Quarter sampling event. The MtBE constituent in well MW-7 has declined steadily since the Third Quarter sampling event.

Depth to groundwater was measured at 10.90 feet to 11.40 feet below grade, with a direction of flow to the south.

Chevron will continue the monitoring program as noted above. If you have any questions, I can be contacted at (510) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY

Philip R. Briggs

Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

cc. Bill Scudder, Chevron

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

BLAINE
TECH SERVICES, INC.

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

April 16, 1997

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

1st Quarter 1997 Monitoring at 9-6991

First Quarter 1997 Groundwater Monitoring at
Chevron Service Station Number 9-6991
2920 Castro Valley Blvd.
Castro Valley, CA

Monitoring Performed on March 20, 1997

Groundwater Sampling Report **970320-W-4**

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

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

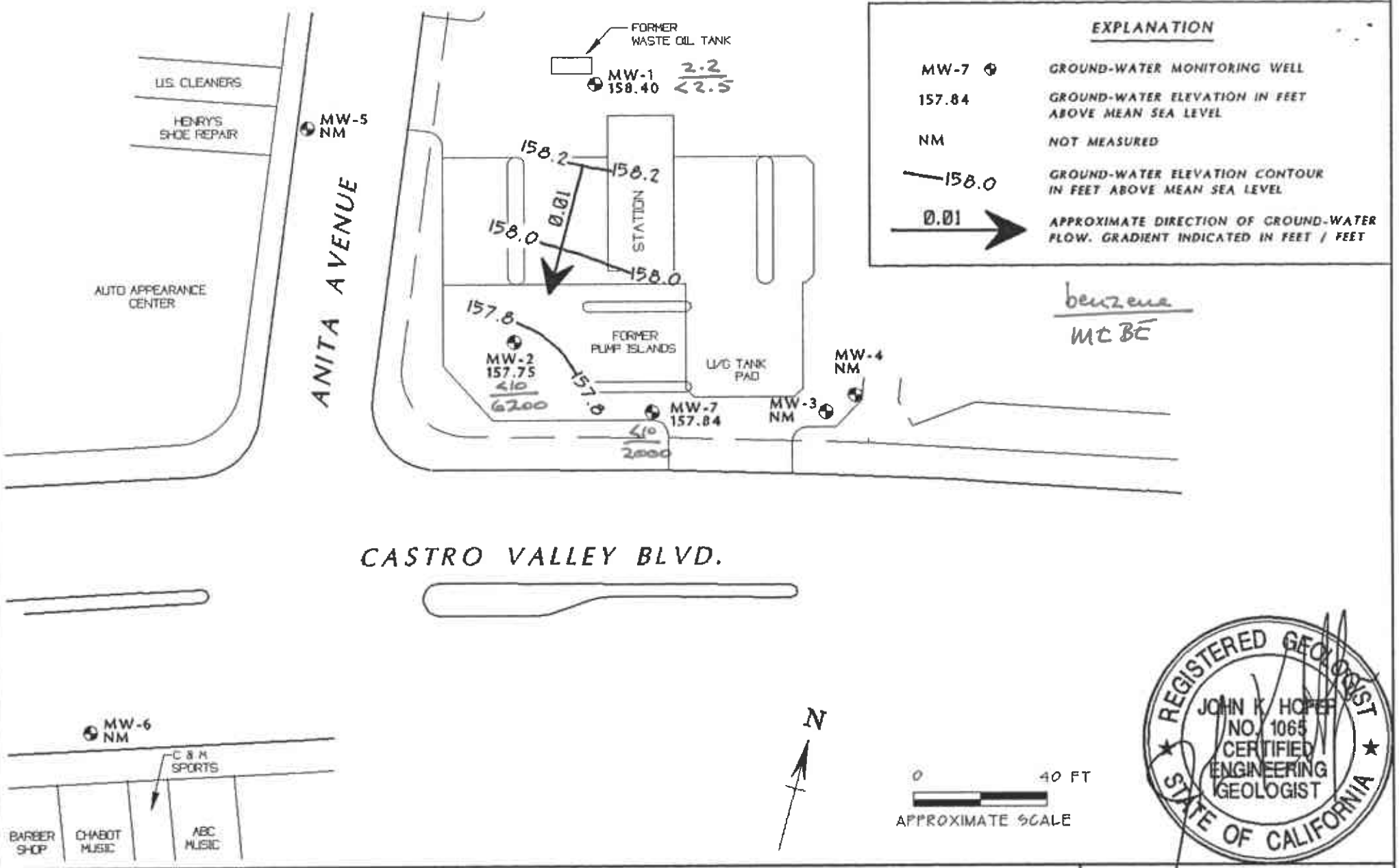
Yours truly,

Francis Thie
Vice President

FPT/cg

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

Professional Engineering Appendix



NOTES:

TITLE : GROUND-WATER ELEVATION CONTOUR MAP - MARCH 20, 1997

LOCATION : CHEVRON SERVICE STATION #9-6991
2920 CASTRO VALLEY BOULEVARD, CASTRO VALLEY, CALIFORNIA

SOURCE : CAMBRIA ENVIRONMENTAL TECHNOLOGY, INC

GEOCONSULTANTS, INC
SAN JOSE, CALIFORNIA
Project No. G758-09
DRWG NO:W032097 REV:

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	TPH-Diesel	TOG
MW-1												
10/08/91	169.30	158.20	11.10	--	230	45	<0.5	0.9	9.1	--	--	<5000
11/04/91	169.30	158.27	11.03	--	340	120	<0.5	<0.5	6.1	--	--	--
12/04/91	169.30	158.25	11.05	--	<50	3.9	<0.5	<0.5	<0.5	--	170	<5000
06/05/92	169.30	158.26	11.04	--	100	26	0.6	0.5	1.0	--	<50	--
10/27/92	169.30	158.20	11.10	--	<50	11	<0.5	<0.5	<0.5	--	54	--
12/30/92	169.30	--	--	--	<50	24	<0.5	<0.5	<0.5	--	170	--
01/27/93	169.30	158.67	10.63	--	--	--	--	--	--	--	--	--
03/05/93	169.30	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50	--
03/17/93	169.30	158.59	10.71	--	--	--	--	--	--	--	--	--
06/18/93	169.30	158.29	11.01	--	<50	0.6	<0.5	<0.5	<1.5	--	<50	--
09/28/93	169.30	157.35	11.95	--	<50	0.8	<0.5	<0.5	<1.5	--	<50	--
12/30/93	169.30	158.34	10.96	--	<50	8.5	<0.5	<0.5	<0.5	--	<50	--
04/07/94	169.30	158.49	10.81	--	<50	<0.5	<0.5	<0.5	<0.5	--	<10	--
05/31/94	169.30	158.38	10.92	--	<50	1.0	<0.5	<0.5	<0.5	--	<50	--
09/23/94	169.30	158.40	10.90	--	<50	1.3	<0.5	<0.5	<0.5	--	<50	--
11/30/94	169.30	158.76	10.54	--	<50	8.9	<0.5	<0.5	<0.5	--	570*	--
03/30/95	169.30	158.60	10.70	--	<50	<0.5	<0.5	<0.5	<0.5	--	110**	--
06/06/95	169.30	158.38	10.92	--	61	15	<0.5	<0.5	<0.5	--	570**	--
09/25/95	169.30	158.30	11.00	--	<50	4.7	<0.5	<0.5	<0.5	--	550**	--
12/28/95	169.30	158.50	10.80	--	72	9.1	0.65	<0.5	<0.5	6.0	330**	--
03/05/96	169.30	159.20	10.10	Sampled annually	<50	7.8	<0.5	<0.5	<0.5	<2.5	780**	--
09/13/96	169.30	158.28	11.02	--	--	--	--	--	--	--	--	--
12/19/96	169.30	158.08	11.22	--	--	--	--	--	--	--	--	--
03/20/97	169.30	158.40	10.90	--	<50	2.2	<0.5	<0.5	<0.5	<2.5	350**	--

* Chromatogram pattern indicates a non-diesel mix.
** Chromatogram pattern indicates an unidentified hydrocarbon.

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	TPH-Diesel	TOG
MW-2												
10/08/91	169.15	157.20	11.95	--	110	5.1	1.1	0.8	26	--	--	--
11/19/91	169.15	157.40	11.75	--	120	11	1.1	<0.5	17	--	--	--
12/04/91	169.15	157.35	11.80	--	440	30	2.5	<0.5	52	--	130	--
06/05/92	169.15	157.35	11.80	--	80	13	<0.5	<0.5	1.0	--	130	--
10/27/92	169.15	157.15	12.00	--	54	13	<0.5	<0.5	<0.5	--	110	--
12/30/92	169.15	--	--	--	180	30	<0.5	<0.5	1.0	--	92	--
01/27/93	169.15	158.24	10.91	--	--	--	--	--	--	--	--	--
03/05/93	169.15	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50	--
03/17/93	169.15	158.26	10.89	--	--	--	--	--	--	--	--	--
06/18/93	169.15	157.41	11.74	--	<50	1.4	<0.5	<0.5	<1.5	--	<50	--
09/28/93	169.15	157.97	11.18	--	<50	0.6	<0.5	<0.5	<1.5	--	<50	--
12/30/93	169.15	158.34	21.00	--	<50	0.9	<0.5	<0.5	<0.5	--	<50	--
04/07/94	169.15	158.40	10.75	--	<50	<0.5	<0.5	<0.5	<0.5	--	<10	--
05/31/94	169.15	158.35	10.80	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50	--
09/23/94	169.15	157.50	11.65	--	<50	0.7	<0.5	<0.5	<0.5	--	120	--
11/30/94	169.15	158.41	10.74	--	55	2.9	<0.5	1.4	0.94	--	570*	--
03/30/95	169.15	158.25	10.90	--	91	4.5	<0.5	3.8	<0.5	--	430**	--
06/06/95	169.15	157.73	11.42	--	<50	<0.5	<0.5	<0.5	<0.5	--	410**	--
09/25/95	169.15	157.52	11.63	--	<50	<0.5	<0.5	<0.5	<0.5	--	220**	--
12/28/95	169.15	157.98	11.17	--	<2000	<20	<20	<20	<20	5000	120**	--
03/05/96	169.15	159.09	10.06	Sampled biannually	<2000	<20	<20	<20	<20	10,000	860**	--
09/13/96	169.15	157.37	11.78	--	1100	25	<10	<10	<10	20,000	1300	--
12/19/96	169.15	158.30	10.85	--	--	--	--	--	--	--	--	--
03/20/97	169.15	157.75	11.40	--	2400	<10	<10	46	<10	6200	190**	--

* Chromatogram pattern indicates a non-diesel mix + discrete peaks.
** Chromatogram pattern indicates an unidentified hydrocarbon.

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	TPH-Diesel	TOG
MW-3												
10/08/91	169.11	160.84	8.27	--	81	1.9	0.7	0.8	2.4	--	--	--
11/04/91	169.11	158.26	10.85	--	60	<0.5	<0.5	<0.5	<0.5	--	--	--
12/04/91	169.11	158.06	11.05	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50	--
06/05/92	169.11	157.96	11.15	--	<50	<0.5	<0.5	<0.5	<0.5	--	170	--
10/27/92	169.11	157.51	11.60	--	<50	<0.5	<0.5	<0.5	<0.5	--	120	--
12/30/92	169.11	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	170	--
01/27/93	169.11	160.00	9.11	--	--	--	--	--	--	--	--	--
03/05/93	169.11	--	--	--	--	--	--	--	--	--	--	--
03/17/93	169.11	159.16	9.95	--	--	--	--	--	--	--	--	--
06/18/93	169.11	158.22	10.89	--	<50	<0.5	<0.5	<0.5	<1.5	--	<50	--
09/28/93	169.11	159.49	9.62	--	<50	<0.5	<0.5	<0.5	<1.5	--	<50	--
12/30/93	169.11	159.80	9.31	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50	--
04/07/94	169.11	160.30	8.81	--	<50	<0.5	<0.5	<0.5	<0.5	--	<10	--
05/31/94	169.11	160.21	8.90	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50	--
09/23/94	169.11	158.48	10.63	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50	--
11/30/94	169.11	160.19	8.92	Inaccessible	--	--	--	--	--	--	--	--
03/30/95	169.11	160.01	9.10	--	<50	<0.5	<0.5	<0.5	<0.5	--	290*	--
06/06/95	169.11	158.79	10.32	--	<50	<0.5	<0.5	<0.5	<0.5	--	150*	--
09/25/95	169.11	158.11	11.00	--	<50	<0.5	<0.5	<0.5	<0.5	--	260*	--
12/28/95	169.11	158.96	10.15	--	<250	<2.5	<2.5	<2.5	<2.5	1400	200*	--

NO LONGER MONITORED OR SAMPLED

* Chromatogram pattern indicates an unidentified hydrocarbon.

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	TPH-Diesel	TOG
MW-4												
10/27/92	169.18	157.79	11.39	--	<50	<0.5	0.6	0.5	4.3	--	<50	--
12/30/92	169.18	159.05	10.13	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50	--
01/27/93	169.18	160.09	9.09	--	--	--	--	--	--	--	--	--
03/05/93	169.18	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50	--
03/17/93	169.18	159.28	9.90	--	--	--	--	--	--	--	--	--
06/18/93	169.18	158.50	10.68	--	<50	<0.5	<0.5	<0.5	<1.5	--	<50	--
09/28/93	169.18	159.82	9.36	--	<50	<0.5	<0.5	<0.5	<1.5	--	<50	--
12/30/93	169.18	159.91	9.27	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50	--
04/07/94	169.18	160.37	8.81	--	<50	<0.5	<0.5	<0.5	<0.5	--	<10	--
05/31/94	169.18	160.27	8.91	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50	--
09/23/94	169.18	158.79	10.39	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50	--
11/30/94	169.18	160.08	9.10	--	<50	<0.5	<0.5	<0.5	<0.5	--	58*	--
03/30/95	169.18	160.66	8.52	--	<50	<0.5	<0.5	<0.5	<0.5	--	61**	--
06/06/95	169.18	158.70	10.48	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50	--
09/25/95	169.18	158.38	10.80	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50	--
12/28/95	169.18	159.23	9.95	--	<50	<0.5	<0.5	<0.5	<0.5	9.9	<50	--

NO LONGER MONITORED OR SAMPLED

* Chromatogram pattern indicates a non-diesel mix.
** Chromatogram pattern indicates an unidentified hydrocarbon.

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	TPH-Diesel	TOG
MW-5												
10/27/92	167.41	157.46	9.95	--	74	<0.5	<0.5	0.6	7.1	--	<50	--
12/30/92	167.41	158.21	9.20	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50	--
01/27/93	167.41	157.80	9.61	--	--	--	--	--	--	--	--	--
03/05/93	167.41	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50	--
03/17/93	167.41	157.90	9.51	--	--	--	--	--	--	--	--	--
06/18/93	167.41	157.56	9.85	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50	--
09/28/93	167.41	157.55	9.86	--	<50	<0.5	<0.5	<0.5	<1.5	--	<50	--
12/30/93	167.41	157.08	10.33	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50	--
04/07/94	167.41	157.69	9.72	--	<50	<0.5	<0.5	<0.5	<0.5	--	<10	--
05/31/94	167.41	157.68	9.73	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50	--
09/23/94	167.41	157.56	9.85	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50	--
11/30/94	167.41	157.73	9.68	--	<50	<0.5	<0.5	<0.5	<0.5	--	79*	--
03/30/95	167.41	157.79	9.62	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50	--
06/06/95	167.41	157.55	9.86	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50	--
09/25/95	167.41	157.56	9.85	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50	--
12/28/95	167.41	157.67	9.74	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	<50	--
NO LONGER MONITORED OR SAMPLED												
MW-6												
10/27/92	166.46	153.92	12.54	--	600	22	22	24	130	--	<50	--
12/30/92	166.46	156.26	10.20	--	1700	170	16	46	160	--	470	--
01/27/93	166.46	156.44	10.02	--	--	--	--	--	--	--	--	--
03/05/93	166.46	--	--	--	480	76	0.9	3.1	7.1	--	150	--
03/17/93	166.46	155.79	10.67	--	--	--	--	--	--	--	--	--
06/18/93	166.46	154.63	11.83	--	240	37	3.4	2.9	18	--	51	--
09/28/93	166.46	154.90	11.56	--	150	11	1.2	1.3	4.3	--	120	--
12/30/93	166.46	154.81	11.65	--	680	77	5.1	5.5	13	--	290	--
04/07/94	166.46	155.34	11.12	--	190	24	2.9	1.9	8.0	--	<10	--
05/31/94	166.46	--	--	--	--	--	--	--	--	--	--	--
09/23/94	166.46	155.05	11.41	--	--	--	--	--	--	--	--	--
11/30/94	166.46	156.58	9.88	--	320	49	0.58	1.4	1.2	--	150*	--

NO LONGER MONITORED OR SAMPLED.

* Chromatogram pattern indicates a non-diesel mix.

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	TPH-Diesel	TOG
MW-7												
09/25/95	168.80	157.20	11.60	--	220	0.79	<0.5	0.67	<0.5	--	1400*	--
12/28/95	168.80	158.14	10.66	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	590*	--
03/05/96	168.80	159.74	9.06	--	1400	<10	<10	47	<10	5300	320*	--
06/27/96	168.80	157.27	11.53	--	<2500	<25	<25	<25	<25	14,000	630*	--
09/13/96	168.80	156.88	11.92	--	1100	26	<10	24	<10	20,000	1400	--
12/19/96	168.80	158.29	10.51	--	<5000	<50	<50	<50	<50	12,000	1100**	--
03/20/97	168.80	157.84	10.96	--	<1000	<10	<10	<10	<10	2100	1600**	--
03/20/97	168.80	157.84	10.96	Confirmation run	--	--	--	--	--	2000		--

* Chromatogram pattern indicates an unidentified hydrocarbon.
** Chromatogram pattern indicates an unidentified hydrocarbon and weathered diesel.

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	TPH-Diesel	TOG
TRIP BLANK												
10/08/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
11/04/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/04/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50	--
06/05/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/30/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
01/27/93	--	--	--	--	--	--	--	--	--	--	<50	--
03/05/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
03/17/93	--	--	--	--	--	--	--	--	--	--	--	--
06/18/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
09/28/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/30/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
04/07/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
05/31/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
09/23/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
11/30/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
03/30/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
06/06/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
09/25/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/28/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
03/05/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
06/27/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
09/13/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
12/19/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--
03/20/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--

ABBREVIATIONS
TPH = Total Petroleum Hydrocarbons
MTBE = Methyl t-butyl ether
TOG = Total Oil and Grease

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on November 1, 1994. Earlier field data and analytical results are drawn from the September 27, 1994 Groundwater Technology, Inc. report.

Analytical Appendix

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 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 Technical Services	Client Proj. ID: Chevron 9-6991/ 961219-J3	Sampled: 12/19/96
1680 Rogers Avenue	Sample Descript: MW-7	Received: 12/20/96
San Jose, CA 95112	Matrix: LIQUID	Extracted: 12/30/96
	Analysis Method: EPA 8015 Mod	Analyzed: 01/02/97
Attention: Jim Keller	Lab Number: 9612C46-01	Reported: 01/03/97

QC Batch Number: GC1230960HBPEXZ
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	**50**	**1100**
Chromatogram Pattern:	**Unid. HC**	**& W-Diesel**

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	115

Results quantitated against a diesel standard.
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, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Technical Services	Client Proj. ID: Chevron 9-6991/ 961219-J3	Sampled: 12/19/96
1680 Rogers Avenue	Sample Descript: MW-7	Received: 12/20/96
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 12/30/96
Attention: Jim Keller	Lab Number: 9612C46-01	Reported: 01/03/97

QC Batch Number: GC123096BTEX07A
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	5000	N.D.
Methyl t-Butyl Ether	**250**	**12000**
Benzene	50	N.D.
Toluene	50	N.D.
Ethyl Benzene	50	N.D.
Xylenes (Total)	50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	119

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 Technical Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Jim Keller

Client Proj. ID: Chevron 9-6991/ 961219-J3
Sample Descript: TB
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9612C46-02

Sampled: 12/19/96
Received: 12/20/96

Analyzed: 12/23/96
Reported: 01/03/97

QC Batch Number: GC122396BTEX07A
Instrument ID: GCHP07

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	89

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, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Technical Services	Client Proj. ID: Chevron 9-6991/ 961219-J3	Received: 12/20/96
1680 Rogers Avenue San Jose, CA 95112 Attention: Jim Keller	Lab Proj. ID: 9612C46	Reported: 01/03/97

LABORATORY NARRATIVE

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

TPPH Note: Sample 962C46-01 was diluted 100-fold.

SEQUOIA ANALYTICAL

Peggy Renner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 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, Inc.	Client Project ID:	Chevron 9-6991/961219-J3	
1680 Roges Avenue	Matrix:	Liquid	
San Jose, CA 95112			
Attention: Jim Keller	Work Order #:	9612C46 -01	Reported: Jan 7, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Diesel
QC Batch#:	GC123096BTEX07A	GC123096BTEX07A	GC123096BTEX07A	GC123096BTEX07A	GC1230960HBPEXZ
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 3520
Analyst:	A. Porter	A. Porter	A. Porter	A. Porter	J. Minkel
MS/MSD #:	9612C1902	9612C1902	9612C1902	9612C1902	9612B4707
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	53
Prepared Date:	12/30/96	12/30/96	12/30/96	12/30/96	12/30/96
Analyzed Date:	12/30/96	12/30/96	12/30/96	12/30/96	12/31/96
Instrument I.D.#:	GCHP07	GCHP07	GCHP07	GCHP07	GCHP4B
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	1000 µg/L
Result:	12	12	13	39	710
MS % Recovery:	120	120	130	130	66
Dup. Result:	11	11	11	34	780
MSD % Recov.:	110	110	110	113	73
RPD:	8.7	8.7	17	14	9.4
RPD Limit:	0-25	0-25	0-25	0-25	0-50
LCS #:	BLK123096	BLK123096	BLK123096	BLK123096	BLK123096
Prepared Date:	12/30/96	12/30/96	12/30/96	12/30/96	12/30/96
Analyzed Date:	12/30/96	12/30/96	12/30/96	12/30/96	12/31/96
Instrument I.D.#:	GCHP07	GCHP07	GCHP07	GCHP07	GCHP4B
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	1000 µg/L
LCS Result:	12	12	13	38	970
LCS % Recov.:	120	120	130	127	97
MS/MSD	60-140	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130	70-130
Control Limits					

SEQUOIA ANALYTICAL

Reggy 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

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Tech Services, Inc.
1680 Roges Avenue
San Jose, CA 95112
Attention: Jim Keller

Client Project ID: Chevron 9-6991/961219-J3
Matrix: Liquid
Work Order #: 9612C46-02
Reported: Jan 7, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC122396BTEX07A	GC122396BTEX07A	GC122396BTEX07A	GC122396BTEX07A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	A. Porter	A. Porter	A. Porter	A. Porter
MS/MSD #:	961298006	961298006	961298006	961298006
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	12/23/96	12/23/96	12/23/96	12/23/96
Analyzed Date:	12/23/96	12/23/96	12/23/96	12/23/96
Instrument I.D.#:	GCHP07	GCHP07	GCHP07	GCHP07
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	10	10	31
MS % Recovery:	100	100	100	103
Dup. Result:	9.7	9.6	10	29
MSD % Recov.:	97	96	100	97
RPD:	3.0	4.1	0.0	6.7
RPD Limit:	0-25	0-25	0-25	0-25
LCS #:	BLK122396	BLK122396	BLK122396	BLK122396
Prepared Date:	12/23/96	12/23/96	12/23/96	12/23/96
Analyzed Date:	12/23/96	12/23/96	12/23/96	12/23/96
Instrument I.D.#:	GCHP07	GCHP07	GCHP07	GCHP07
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	10	10	10	30
LCS % Recov.:	100	100	100	100
MS/MSD Control Limits	60-140	60-140	60-140	60-140
LCS Control Limits	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

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: 9-6991
Facility Address: 2920 Castro Valley Blvd., Castro Valley
Consultant Project Number: 96121.9-53
Consultant Name: Blaine Tech Services, Inc.
Address: 985 Timothy Dr., San Jose, CA 95133
Project Contact (Name): Jim Keller
(Phone) 408 995-5535 (Fax Number) 408 293-8773

Chevron Contact (Name): Phil Briggs
(Phone) (510) 842-9136
Laboratory Name: Sequoia
Laboratory Release Number: 2172780
Samples Collected by (Name): Matt James
Collection Date: 12/19/96
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)	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-7	1	5	W	D		HCl	Y	X	X							X				
TB	2	3	↓		—	↓	↓	X								X				

DO NOT BILL
FOR TB-LB
9612C46
Remarks
DEC 2 1139

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BTS	12/20/96 950		SEQ	12/20/96 950
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	SEQ	12/20/96 1131			
Relinquished By (Signature)	Organization	Date/Time	Received for Laboratory By (Signature)		Date/Time
				12/20/96	1156

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

S:\DWG\03 81\HCH

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 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 9-6991/970320-W4	Sampled: 03/20/97
1680 Rogers Avenue	Sample Descript: MW1	Received: 03/21/97
San Jose, CA 95112	Matrix: LIQUID	Extracted: 03/25/97
	Analysis Method: EPA 8015 Mod	Analyzed: 03/28/97
Attention: Fran Thie	Lab Number: 9703B92-01	Reported: 04/02/97

QC Batch Number: GC0325970HBPEXZ
Instrument ID: GCHP19A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	**50**	**350**
Chromatogram Pattern:	**C9-C24**	**Unidentified HC**

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	78

Results quantitated against a diesel standard.
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
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Chevron 9-6991/970320-W4
Sample Descript: MW1
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9703B92-01

Sampled: 03/20/97
Received: 03/21/97

Analyzed: 03/26/97
Reported: 04/02/97

QC Batch Number: GC032697BTEX03A
Instrument ID: GCHP3

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**	**2.2**
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	90

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	Client Proj. ID: Chevron 9-6991/970320-W4	Sampled: 03/20/97
1680 Rogers Avenue	Sample Descript: MW2	Received: 03/21/97
San Jose, CA 95112	Matrix: LIQUID	Extracted: 03/25/97
	Analysis Method: EPA 8015 Mod	Analyzed: 03/28/97
Attention: Fran Thie	Lab Number: 9703B92-02	Reported: 04/02/97

QC Batch Number: GC0325970HBPEXZ
Instrument ID: GCHP19A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	**50**	**190**
Chromatogram Pattern:	**C9-C24**	**Unidentified HC**

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	68

Results quantitated against a diesel standard.
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, (415) 364-9600, FAX (415) 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 9-6991/970320-W4	Sampled: 03/20/97
1680 Rogers Avenue	Sample Descript: MW2	Received: 03/21/97
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 03/27/97
Attention: Fran Thie	Lab Number: 9703B92-02	Reported: 04/02/97

QC Batch Number: GC032797BTEX02A
Instrument ID: GCHP2

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**1000**	**2400**
Methyl t-Butyl Ether	**50**	**6200**
Benzene	10	N.D.
Toluene	10	N.D.
Ethyl Benzene	**10**	**46**
Xylenes (Total)	10	N.D.
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	117

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
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Chevron 9-6991/970320-W4
Sample Descript: MW7
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9703B92-03

Sampled: 03/20/97
Received: 03/21/97
Extracted: 03/25/97
Analyzed: 03/28/97
Reported: 04/02/97

QC Batch Number: GC0325970HBPEXZ
Instrument ID: GCHP19A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	**50**	**1600**
Chromatogram Pattern:	**Unid. HC**	**W-Diesel**

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	99

Results quantitated against a diesel standard.
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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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
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Chevron 9-6991/970320-W4
Sample Descript: MW7
Matrix: LIQUID
Analysis Method: EPA 8260
Lab Number: 9703B92-03

Sampled: 03/20/97
Received: 03/21/97

Analyzed: 03/26/97
Reported: 04/02/97

QC Batch Number: MS032497MTBEH6A
Instrument ID: H6

Methyl t-Butyl Ether (MTBE)

Analyte	Detection Limit ug/L	Sample Results ug/L
Methyl t-Butyl Ether	25	2000
Surrogates	**Control Limits %**	**% Recovery**
1,2-Dichloroethane-d4	76 114	99

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
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Chevron 9-6991/970320-W4
Sample Descript: MW7
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9703B92-03

Sampled: 03/20/97
Received: 03/21/97

Analyzed: 03/26/97
Reported: 04/02/97

QC Batch Number: GC032697BTEX03A
Instrument ID: GCHP3

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	1000	N.D.
Methyl t-Butyl Ether	**50**	**2100**
Benzene	10	N.D.
Toluene	10	N.D.
Ethyl Benzene	10	N.D.
Xylenes (Total)	10	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	77

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, (415) 364-9600, FAX (415) 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
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Chevron 9-6991/970320-W4
Sample Descript: TB
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9703B92-04

Sampled: 03/20/97
Received: 03/21/97

Analyzed: 03/26/97
Reported: 04/02/97

QC Batch Number: GC032697BTEX03A
Instrument ID: GCHP3

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	80

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, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112
Attention: Fran Thie

Client Proj. ID: Chevron 9-6991/970320-W4

Lab Proj. ID: 9703B92

Received: 03/21/97

Reported: 04/02/97

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 13 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

TPPH Note: Sample 9703B92-02 was diluted 20-fold.
Sample 9703B92-03 was diluted 20-fold.

SEQUOIA ANALYTICAL

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.	Client Project ID:	Chevron 9-6991/970320-W4	
1680 Rogers Avenue	Matrix:	Water	
San Jose, CA 95112			
Attention: Fran Thie	Work Order #:	9703B92 -01, 03 -04	Reported: Apr 10, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC032697BTEX03A	GC032697BTEX03A	GC032697BTEX03A	GC032697BTEX03A	GC032697BTEX03A
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. Jirsa	D. Jirsa	D. Jirsa	D. Jirsa	D. Jirsa
MS/MSD #:	970388504B	970388504B	970388504B	970388504B	970388504B
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	3/26/97	3/26/97	3/26/97	3/26/97	3/26/97
Analyzed Date:	3/26/97	3/26/97	3/26/97	3/26/97	3/26/97
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	10	10	10	28	65
MS % Recovery:	100	100	100	93	108
Dup. Result:	10	10	9.9	28	66
MSD % Recov.:	100	100	99	93	110
RPD:	0.0	0.0	1.0	0.0	1.5
RPD Limit:	0-25	0-25	0-25	0-25	0-25
LCS #:	BLK032697A	BLK032697A	BLK032697A	BLK032697A	BLK032697A
Prepared Date:	3/26/97	3/26/97	3/26/97	3/26/97	3/26/97
Analyzed Date:	3/26/97	3/26/97	3/26/97	3/26/97	3/26/97
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	9.8	9.8	9.6	27	61
LCS % Recov.:	98	98	96	90	102
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

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.	Client Project ID:	Chevron 9-6991/970320-W4	
1680 Rogers Avenue	Matrix:	Water	
San Jose, CA 95112			
Attention: Fran Thie	Work Order #:	9703B92 -02	Reported: Apr 10, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC032797BTEX02A	GC032797BTEX02A	GC032797BTEX02A	GC032797BTEX02A	GC032797BTEX02A
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. Miraftab	A. Miraftab	A. Miraftab	A. Miraftab	A. Miraftab
MS/MSD #:	9703B1603B	9703B1603B	9703B1603B	9703B1603B	9703B1603B
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	3/27/97	3/27/97	3/27/97	3/27/97	3/27/97
Analyzed Date:	3/27/97	3/27/97	3/27/97	3/27/97	3/27/97
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	9.8	9.6	9.6	30	66
MS % Recovery:	98	96	96	100	110
Dup. Result:	9.6	9.5	9.6	30	73
MSD % Recov.:	96	95	96	100	122
RPD:	2.1	1.0	0.0	0.0	10
RPD Limit:	0-25	0-25	0-25	0-25	0-25
LCS #:	BLK032797	BLK032797	BLK032797	BLK032797	BLK032797
Prepared Date:	3/27/97	3/27/97	3/27/97	3/27/97	3/27/97
Analyzed Date:	3/27/97	3/27/97	3/27/97	3/27/97	3/27/97
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	9.7	9.7	9.8	31	70
LCS % Recov.:	97	97	98	103	117
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

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 Avenue
San Jose, CA 95112
Attention: Fran Thie

Client Project ID: Chevron 9-6991/970320-W4
Matrix: Liquid
Work Order #: 9703B92 -01 -03

Reported: Apr 10, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Diesel
QC Batch#:	GC0325970HBPEXZ
Analy. Method:	EPA 8015M
Prep. Method:	EPA 3520
Analyst:	N. Herrera
MS/MSD #:	9703C0201
Sample Conc.:	51
Prepared Date:	3/25/97
Analyzed Date:	3/28/97
Instrument I.D.#:	GCHP19A
Conc. Spiked:	1000 µg/L
Result:	990
MS % Recovery:	94
Dup. Result:	930
MSD % Recov.:	88
RPD:	6.3
RPD Limit:	0-50

LCS #:	BLK032597Xs
Prepared Date:	3/25/97
Analyzed Date:	3/28/97
Instrument I.D.#:	GCHP19A
Conc. Spiked:	1000 µg/L
LCS Result:	870
LCS % Recov.:	87

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

SEQUOIA ANALYTICAL

Reggy 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

Fax copy of Lab Report and COC to Chevron Contact: ☐ 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: 9-6991
Facility Address: 2920 Castro Valley Blvd., Castro Valley
Consultant Project Number: 970320-W4
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: 9034490
Samples Collected by (Name): W.R. JONES
Collection Date: 3/20/97
Signature:

Analyses To Be Performed: 9703B92

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				
MW1	1	5	W		1300		Y	X	X							X				
MW2	2	↓	↓		1350		↓	↓	↓							↓	→	→	→	→
MW7	3	↓	↓		1420		↓	↓	↓							↓				
TB	4	2	↓		—		↓	↓	↓							↓				

DO NOT BILL
FOR TB-LB

Remarks:
#Confirm MTBE By 8260 For MW-7

RE 21 11 42

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
W.R. Jones	BTS	3/21/97	Stan Kent	SEQ	3/21/97 1030
Stan Kent	SEQ	3/21/97 1140			
			Received For Laboratory By (Signature)		Date/Time
			Maia Gaulis		3/21/97 11:42

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

COC-3.DWG/03 91/HCH

Field
Data
Sheets

WELL GAUGING DATA

Project # 961219-J3 Date 12/19/96 Client Chev

Site 2920 Castro Valley Blvd., Castro Valley

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
MW-1	3/4					11.22	16.32	TOC
MW-2	3/4					10.85	18.62	↓
MW-3	2					10.51	19.79	↓

CHEVRON WELL MONITORING DATA SHEET

Project #: 961219-J3	Station #: 9-6991
Sampler: MJ	Date: 12/19/96
Well I.D.: MW-7	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 19.79	Depth to Water: 10.51
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: _____

1.0 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 4.7 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1449	64.2	7.3	1100	2	
1453	63.6	7.2	1000	3.5	
1458	63.2	7.2	1000	5	

Did well dewater? Yes (No)		Gallons actually evacuated: 5	
Sampling Time: 1505		Sampling Date: 12/19	
Sample I.D.: MW-7		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 # 970320-W4 Date 3/20/97 Client 9-6991

Site 7920 Castro Valley BLVD CASTRO VALLEY

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
MW1	3/4"					10.90	16.35	TOC
* MW2	3/4					11.40	*17.90	↓
MW7	2"					10.96	19.72	↓

* Double checked DTB

CHEVRON WELL MONITORING DATA SHEET

Project #: 970320-W4	Station #: 9-6991
Sampler: WJ	Date: 3/20
Well I.D.: MW1	Well Diameter: 2 3 4 6 8 (3/4")
Total Well Depth: 16.35	Depth to Water: 10.90
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

3/4" .023

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

Sampling Method: Bailer ✓ / Disposable Bailer / Extraction Port / Other: _____

0.13 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 0.39 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1255	67.8	6.8	1800	0.15	
1257	67.2	6.9	1800	0.30	
1259	66.8	6.9	1800	0.4	

Did well dewater? Yes (No)		Gallons actually evacuated:	
Sampling Time: 1300		Sampling Date: 3/20	
Sample I.D.: MW-1		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 #: 470320-W4	Station #: 9-6991
Sampler: WS	Date: 3/20
Well I.D.: MW2	Well Diameter: 2 3 4 6 8 (3/4")
Total Well Depth: 17.90	Depth to Water: 11.40
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

.023

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

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

0.15 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 0.45 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1340	67.8	7.4	1200	0.15	
1343	67.2	7.4	1200	0.30	
1346	67.4	7.3	1200	0.45	

Did well dewater? Yes (No)		Gallons actually evacuated: 0.45	
Sampling Time: 1350		Sampling Date: 3/20	
Sample I.D.: MW2		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 #: 970320-W4	Station #: 9-6991
Sampler: WS	Date: 3/20
Well I.D.: MW7	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 19.72	Depth to Water: 10.96
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: ____

1.4	x	3	=	4.2 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1409	66.0	7.4	1200	1.5	ODOR
1412	66.4	7.4	1200	3.0	
1415	66.8	7.4	1200	4.5	

Did well dewater? Yes (No) Gallons actually evacuated: 4.5

Sampling Time: 1420 Sampling Date: 3/20

Sample I.D.: MW7 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