

ENVIRONMENTAL  
PROTECTION  
97 FEB 19 PM 1:16



**Chevron**

February 17, 1997

*Scott Leary*

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

**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

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

Dear Ms. Leech:

Enclosed is the Third Quarter 1996 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. Groundwater samples were collected from wells MW-2 and MW-7, while MW-1 was measured for groundwater elevation only. 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 dissolved BTEX constituents detected in wells MW-2 and MW-7, appear to be consistent with previous sampling events. The MtBE constituent for monitoring wells MW-2 and MW-7, has been increasing the last three sampling events and I do not have an immediate answer for this increase. However, I will analyze well MW-7 in the next sampling event, using EPA Method 8260 to verify that the constituent is MtBE. The results of the sampling will be analyzed and the next appropriate action will be determined.

Depth to groundwater was measured at 11.02 feet to 11.92 feet below grade, with a direction of flow to the southeast.

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*

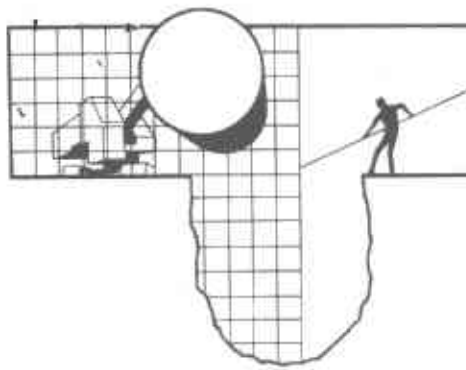
Philip R. Briggs  
Site Assessment and Remediation Project Manager

Enclosure

February 17, 1997  
Ms. Amy Leech  
Chevron Service Station # 9-6991  
Page 2

cc: Bill Scudder, Chevron

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



# BLAINE TECH SERVICES INC.

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

October 15, 1996

Phil Briggs  
Chevron U.S.A. Products Company  
P.O. Box 5004  
San Ramon, CA 94583-0804

## **3rd Quarter 1996 Monitoring at 9-6991**

Third Quarter 1996 Groundwater Monitoring at  
Chevron Service Station Number 9-6991  
2920 Castro Valley Blvd.  
Castro Valley, CA

Monitoring Performed on September 13, 1996

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### **Groundwater Sampling Report 960913-D-3**

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.

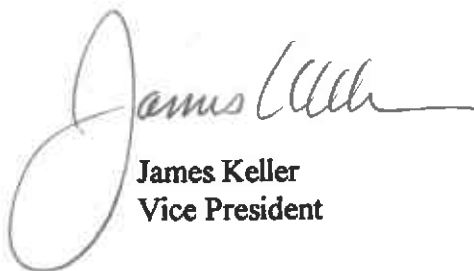
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**. The table also contains new groundwater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

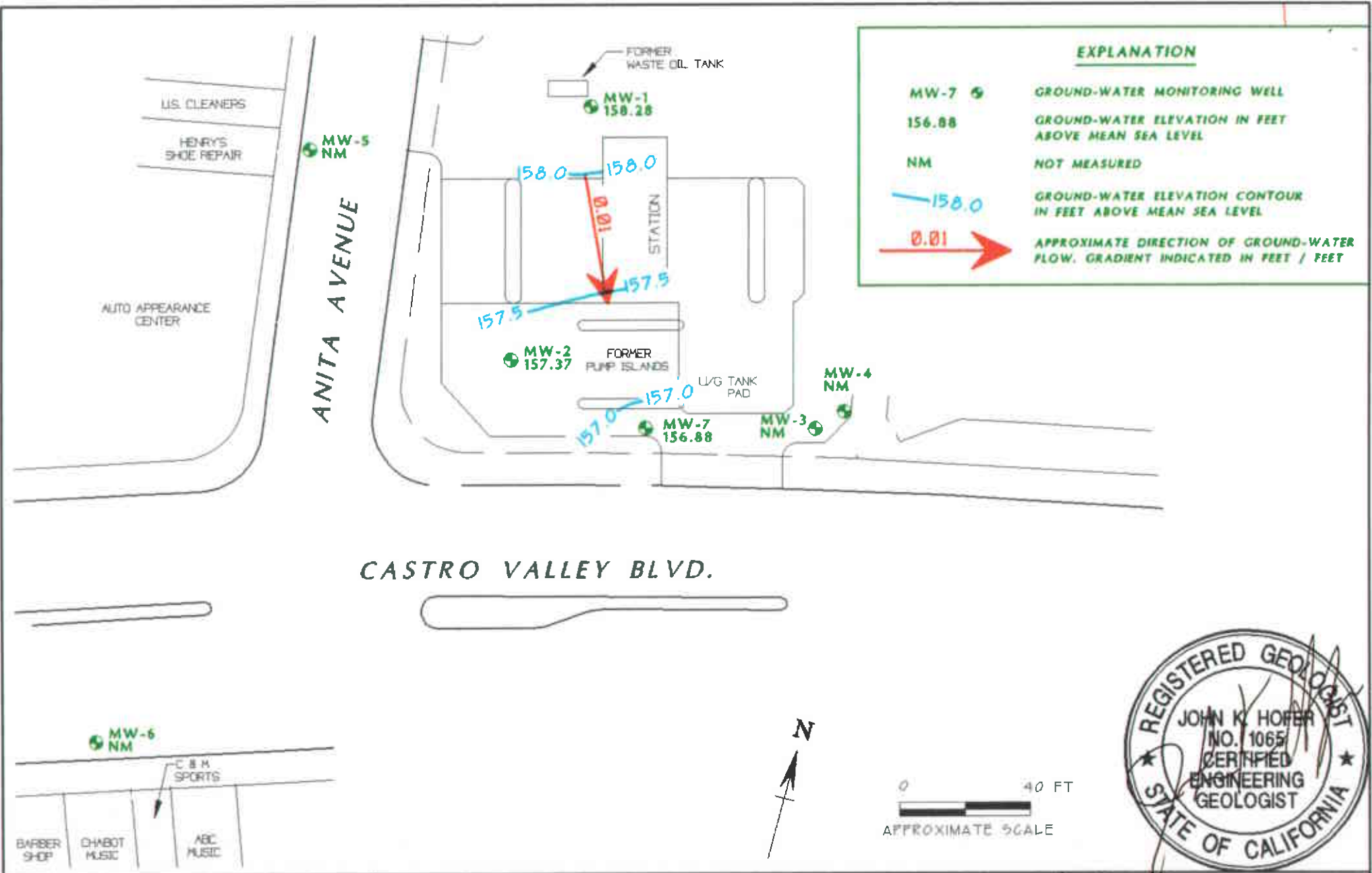


James Keller  
Vice President

JPK/dk

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

# **Professional Engineering Appendix**



CASTRO VALLEY BLVD.



NOTES:

TITLE : GROUND-WATER ELEVATION CONTOUR MAP - SEPTEMBER 13, 1996  
 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: W891396 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
<b>MW-1</b>												
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	--	--	--	--	--	--	--	--	--

\* 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
<b>MW-2</b>												
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	<10	<10	<10	<10	20,000	1300	--

\* 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
<b>MW-3</b>												
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	1485	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
<b>MW-4</b>												
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
<b>MW-5</b>												
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	0.58	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
<b>MW-7</b>												
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	28	<10	24	<10	20,000	1400	--

\* 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
<b>TRIP BLANK</b>												
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	--	--	--

### 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**



Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-6991/960627-A3 Sample Descript: MW7 Matrix: LIQUID Analysis Method: EPA 8015 Mod Lab Number: 9606H40-01	Sampled: 06/27/96 Received: 06/28/96 Extracted: 07/08/96 Analyzed: 07/09/96 Reported: 07/13/96
Attention: Jim Keller		

QC Batch Number: GC0708960HBPEXA  
Instrument ID: GCHP4A

**Total Extractable Petroleum Hydrocarbons (TEPH)**

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Chromatogram Pattern:	50 C9-C24	630 Unidentified HC
Surrogates n-Pentacosane (C25)	Control Limits % 50                      150	% Recovery 122

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







Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-6991/960627-A3 Sample Descript: MW7 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9606H40-01	Sampled: 06/27/96 Received: 06/28/96  Analyzed: 07/05/96 Reported: 07/13/96
Attention: Jim Keller		

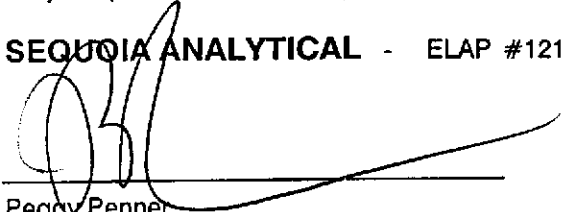
QC Batch Number: GC070296BTEX02A  
Instrument ID: GCHP2

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	2500	N.D.
<b>Methyl t-Butyl Ether</b>	<b>125</b>	<b>14000</b>
Benzene	25	N.D.
Toluene	25	N.D.
Ethyl Benzene	25	N.D.
Xylenes (Total)	25	N.D.
Chromatogram Pattern:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70                      130	100

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

**SEQUOIA ANALYTICAL - ELAP #1210**



Peggy Penner  
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-6991/960627-A3 Sample Descript: TB Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9606H40-02	Sampled: 06/27/96 Received: 06/28/96  Analyzed: 07/05/96 Reported: 07/13/96
--	---	---

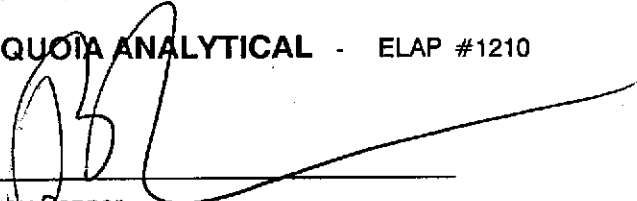
QC Batch Number: GC070596BTEX21A  
Instrument ID: GCHP21

**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:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	82

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

**SEQUOIA ANALYTICAL - ELAP #1210**

  
Peggy Fenner  
Project Manager





Sequoia  
Analytical

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(510) 988-9600  
(916) 921-9600

FAX (415) 364-9233  
FAX (510) 988-9673  
FAX (916) 921-0100

Blaine Technical Services  
985 Timothy Drive  
San Jose, CA 95133  
Attention: Jim Keller

Client Proj. ID: Chevron 9-6991/960627-A3

Lab Proj. ID: 9606H40

Received: 06/28/96

Reported: 07/13/96

## LABORATORY NARRATIVE

TPPH Note: Sample 9606H40-01 was diluted 50-fold.

SEQUOIA ANALYTICAL

Peggy Penner  
Project Manager





Blaine Tech Services, Inc.  
985 Timothy Drive  
San Jose, CA 95133  
Attention: Jim Keller

Client Project ID: **Chevron 9-6991 / 960627-A3**  
Matrix: **Liquid**

Work Order #: **9606H40 -01**

Reported: **Jul 13, 1996**

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC070596BTEX02A	GC070596BTEX02A	GC070596BTEX02A	GC070596BTEX02A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J. Woo	J. Woo	J. Woo	J. Woo
MS/MSD #:	9606E7103	9606E7103	9606E7103	9606E7103
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	7/5/96	7/5/96	7/5/96	7/5/96
Analyzed Date:	7/5/96	7/5/96	7/5/96	7/5/96
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	8.8	9.2	9.4	28
MS % Recovery:	88	92	94	93
Dup. Result:	9.9	10	10	32
MSD % Recov.:	99	100	100	107
RPD:	12	8.3	6.2	13
RPD Limit:	0-25	0-25	0-25	0-25

LCS #:	BLK070596	BLK070596	BLK070596	BLK070596
Prepared Date:	7/5/96	7/5/96	7/5/96	7/5/96
Analyzed Date:	7/5/96	7/5/96	7/5/96	7/5/96
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	8.6	9.1	9.7	27
LCS % Recov.:	86	91	97	90

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

**SEQUOIA ANALYTICAL**  
  
Peggy Fenner  
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.





Blaine Tech Services, Inc.  
985 Timothy Drive  
San Jose, CA 95133  
Attention: Jim Keller

Client Project ID: Chevron 9-6991 / 960627-A3  
Matrix: Liquid

Work Order #: 9606H40-02

Reported: Jul 13, 1996

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
GC Batch#:	GC070596BTEX21A	GC070596BTEX21A	GC070596BTEX21A	GC070596BTEX21A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J. Woo	J. Woo	J. Woo	J. Woo
MS/MSD #:	9606E7103	9606E7103	9606E7103	9606E7103
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	7/5/96	7/5/96	7/5/96	7/5/96
Analyzed Date:	7/5/96	7/5/96	7/5/96	7/5/96
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.7	10	10	30
MS % Recovery:	97	100	100	100
Dup. Result:	9.7	10	10	32
MSD % Recov.:	97	100	100	107
RPD:	0.0	0.0	0.0	6.5
RPD Limit:	0-25	0-25	0-25	0-25

LCS #:	BLK070596	BLK070596	BLK070596	BLK070596
Prepared Date:	7/5/96	7/5/96	7/5/96	7/5/96
Analyzed Date:	7/5/96	7/5/96	7/5/96	7/5/96
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	10	10	11	32
LCS % Recov.:	100	100	110	107

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

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

9606H40.BLA <2>





Blaine Tech Services, Inc.  
985 Timothy Drive  
San Jose, CA 95133  
Attention: Jim Keller

Client Project ID: Chevron 9-6991 / 960627-A3  
Matrix: Liquid

Work Order #: 9606H40-01

Reported: Jul 13, 1996

**QUALITY CONTROL DATA REPORT**

**Analyte:** Diesel

**QC Batch#:** GC0708960HBPEXA  
**Analy. Method:** EPA 8015M  
**Prep. Method:** EPA 3510

**Analyst:** J. Minkel  
**MS/MSD #:** 9606E7201  
**Sample Conc.:** 110  
**Prepared Date:** 7/8/96  
**Analyzed Date:** 7/8/96  
**Instrument I.D.#:** GCHP4  
**Conc. Spiked:** 1000 µg/L

**Result:** 1000  
**MS % Recovery:** 89

**Dup. Result:** 1000  
**MSD % Recov.:** 89

**RPD:** 0.0  
**RPD Limit:** 0-50

**LCS #:** BLK070896

**Prepared Date:** 7/8/96  
**Analyzed Date:** 7/8/96  
**Instrument I.D.#:** GCHP4  
**Conc. Spiked:** 1000 µg/L

**LCS Result:** 790  
**LCS % Recov.:** 79

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

**SEQUOIA ANALYTICAL**

Peggy Penner  
Project Manager

**Please Note:**

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

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

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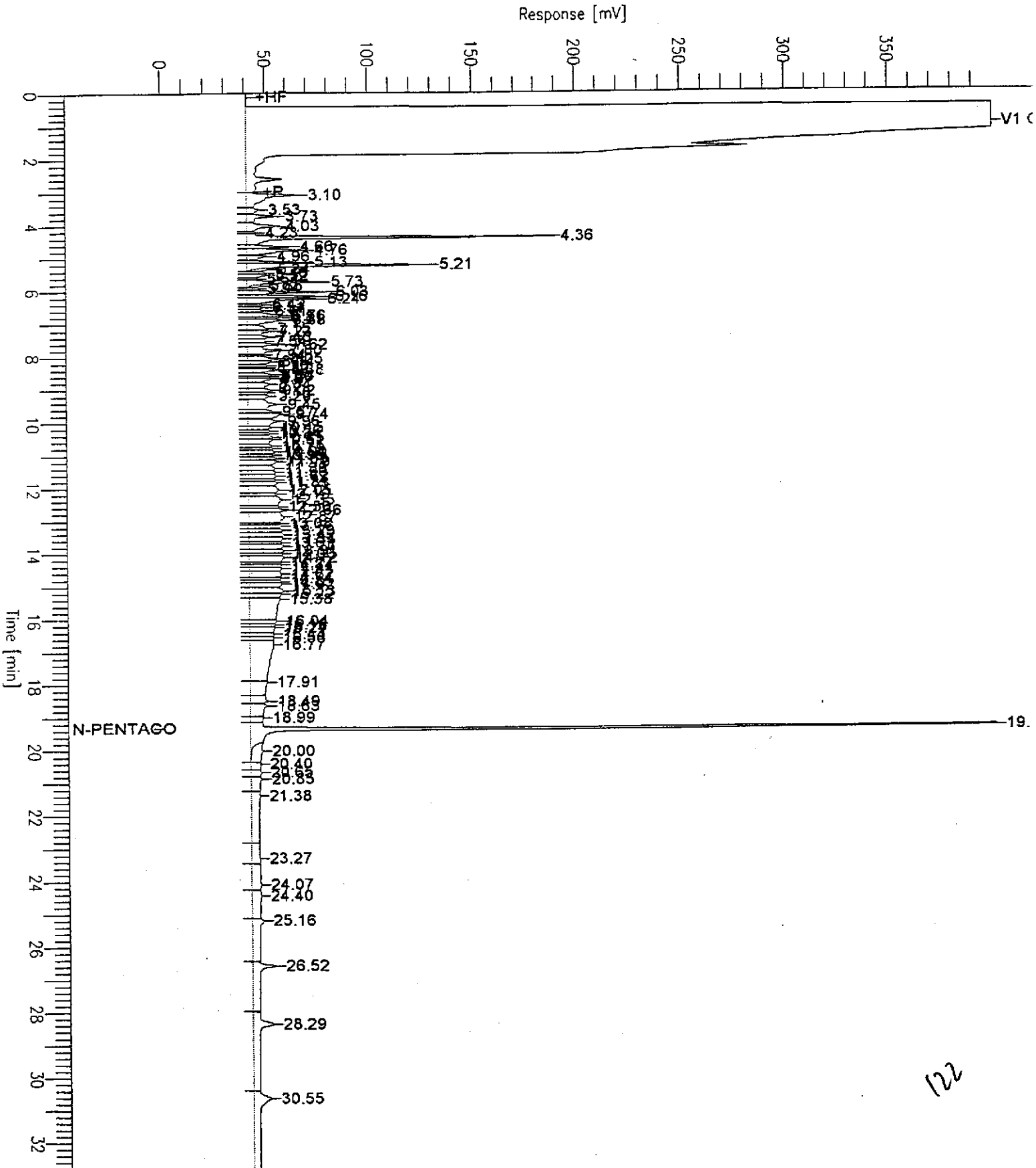
# Chromatogram

Sample Name : DW9606H40-1 (500:1)  
FileName : S:\GHP\_04\0714\708A046.raw  
Method : TPH04A  
Start Time : 0.00 min  
Scale Factor: 0.0

End Time : 33.65 min  
Plot Offset: 0 mV

Sample #: MW7  
Date : 7/9/96 18:44  
Time of Injection: 7/9/96 18:09  
Low Point : 0.00 mV  
High Point : 400.00 mV  
Plot Scale: 400.0 mV

Page 1 of 1



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

Chain-of-Custody-Record

Chevron Facility Number 9-6991

Facility Address 2920 Castro Valley Blvd., Castro Valley

Consultant Project Number 960627-A3

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) RANDY VALENTINE

Collection Date 6-27-96

Signature Randy Valentine

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analytes To Be Performed											DO NOT BILL FOR TB-LB	Remarks					
								BTEX + TPH GAS + (8020 + 8015) MIDE	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)										
MW7	01 A-E	5	W		1515	HCl	Y	X	X																
TB	02 A-D	2	W		-		Y	X																	9606H461

Relinquished By (Signature) <u>Randy Valentine</u>	Organization <u>PTB</u>	Date/Time <u>9/28/95</u>	Received By (Signature) <u>Michael Voss</u>	Organization <u>Seq.</u>	Date/Time <u>6-28-96</u>
Relinquished By (Signature) <u>Michael Voss</u>	Organization	Date/Time	Received By (Signature)	Organization	Date/Time <u>10/7</u>
Relinquished By (Signature)	Organization	Date/Time	Received for Laboratory (Signature) <u>[Signature]</u>	Organization	Date/Time <u>6-28-96 1400</u>

Turn Around Time (Circle Choice)

24 Hrs.  
48 Hrs.  
5 Days  
10 Days  
As Contracted

01/HCH

Jun 28 1996





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-6991/960913-D3 Sample Descript: MW-2 Matrix: LIQUID Analysis Method: EPA 8015 Mod Lab Number: 9609812-01	Sampled: 09/13/96 Received: 09/16/96 Extracted: 09/19/96 Analyzed: 09/21/96 Reported: 09/26/96
Attention: Jim Keller		

QC Batch Number: GC0919960HBPEXZ  
Instrument ID: GCHP5A

**Total Extractable Petroleum Hydrocarbons (TEPH)**

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Chromatogram Pattern:	50 Unid. HC	1300 W-Diesel
Surrogates n-Pentacosane (C25)	Control Limits % 50                      150	% Recovery 88

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





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-6991/960913-D3 Sample Descript: MW-2 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9609812-01	Sampled: 09/13/96 Received: 09/16/96  Analyzed: 09/20/96 Reported: 09/26/96
Attention: Jim Keller		

QC Batch Number: GC092096BTEX22A  
Instrument ID: GCHP22

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	1000	1100
Methyl t-Butyl Ether	50	20000
Benzene	10	25
Toluene	10	N.D.
Ethyl Benzene	10	N.D.
Xylenes (Total)	10	N.D.
Chromatogram Pattern:		Gas
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70                      130	102

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

**SEQUOIA ANALYTICAL - ELAP #1210**

  
Peggy Fenner  
Project Manager





Blaine Technical Services  
985 Timothy Drive  
San Jose, CA 95133  
Attention: Jim Keller

Client Proj. ID: Chevron 9-6991/960913-D3  
Sample Descript: MW-7  
Matrix: LIQUID  
Analysis Method: EPA 8015 Mod  
Lab Number: 9609812-02

Sampled: 09/13/96  
Received: 09/16/96  
Extracted: 09/19/96  
Analyzed: 09/21/96  
Reported: 09/26/96

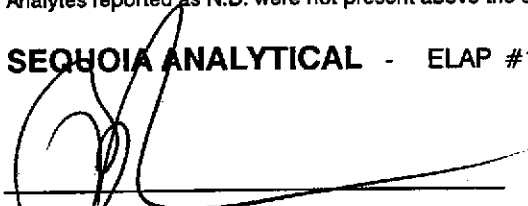
QC Batch Number: GC0919960HBPEXZ  
Instrument ID: GCHP5A

**Total Extractable Petroleum Hydrocarbons (TEPH)**

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel Chromatogram Pattern:	50 Unid. HC	1400 W-Diesel
Surrogates n-Pentacosane (C25)	Control Limits % 50                      150	% Recovery 81

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 Fenner  
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-6991/960913-D3 Sample Descript: MW-7 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9609812-02	Sampled: 09/13/96 Received: 09/16/96  Analyzed: 09/20/96 Reported: 09/26/96
Attention: Jim Keller		

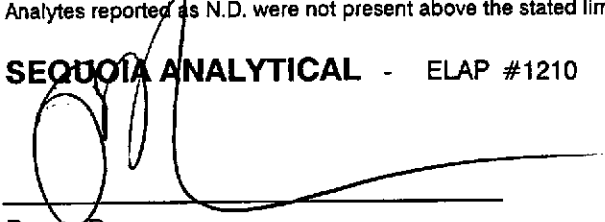
QC Batch Number: GC092096BTEX22A  
Instrument ID: GCHP22

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	1000	1100
Methyl t-Butyl Ether	50	20000
Benzene	10	26
Toluene	10	N.D.
Ethyl Benzene	10	24
Xylenes (Total)	10	N.D.
Chromatogram Pattern:		Gas
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	106

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

**SEQUOIA ANALYTICAL** - ELAP #1210



Peggy Penner  
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133 Attention: Jim Keller	Client Proj. ID: Chevron 9-6991/960913-D3 Sample Descript: TB Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9609812-03	Sampled: 09/13/96 Received: 09/16/96 Analyzed: 09/20/96 Reported: 09/26/96
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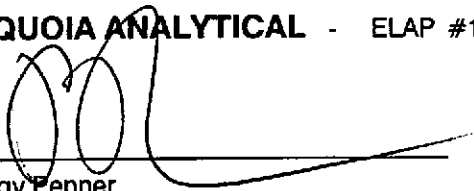
QC Batch Number: GC092096BTEX22A  
Instrument ID: GCHP22

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	88

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  
404 N. Wiget Lane  
819 Striker Avenue, Suite 8

Redwood City, CA 94063  
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(916) 921-9600

FAX (415) 364-9233  
FAX (510) 988-9673  
FAX (916) 921-0100

Blaine Technical Services  
985 Timothy Drive  
San Jose, CA 95133  
Attention: Jim Keller

Client Proj. ID: Chevron 9-6991/960913-D3  
Lab Proj. ID: 9609812

Received: 09/16/96  
Reported: 09/26/96

### LABORATORY NARRATIVE

TPPH Note: Sample 9609812-01 was diluted 20-fold.  
Sample 9609812-02 was diluted 20-fold.

**SEQUOIA ANALYTICAL**

  
Peggy Penner  
Project Manager





# Sequoia Analytical

680 Chesapeake Drive  
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Sacramento, CA 95834

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FAX (415) 364-9233  
FAX (510) 988-9673  
FAX (916) 921-0100

Blaine Tech Services, Inc.  
985 Timothy Drive  
San Jose, CA 95133  
Attention: Jim Keller

Client Project ID: Chevron 9-6991 / 960913-D3  
Matrix: Liquid

Work Order #: 9609812 -01-03

Reported: Oct 1, 1996

## QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC092096BTEX22A	GC092096BTEX22A	GC092096BTEX22A	GC092096BTEX22A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	H. Porter	H. Porter	H. Porter	H. Porter
MS/MSD #:	960978708	960978708	960978708	960978708
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/20/96	9/20/96	9/20/96	9/20/96
Analyzed Date:	9/20/96	9/20/96	9/20/96	9/20/96
Instrument I.D.#:	GCHP22	GCHP22	GCHP22	GCHP22
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	11	9.6	9.2	29
MS % Recovery:	110	96	92	97
Dup. Result:	11	10	9.7	30
MSD % Recov.:	110	100	97	100
RPD:	0.0	4.1	5.3	3.4
RPD Limit:	0-25	0-25	0-25	0-25

LCS #:	BLK092096	BLK092096	BLK092096	BLK092096
Prepared Date:	9/20/96	9/20/96	9/20/96	9/20/96
Analyzed Date:	9/20/96	9/20/96	9/20/96	9/20/96
Instrument I.D.#:	GCHP22	GCHP22	GCHP22	GCHP22
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	11	9.6	9.2	29
LCS % Recov.:	110	96	92	97

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

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

9609812.BLA <1>





Blaine Tech Services, Inc.  
985 Timothy Drive  
San Jose, CA 95133  
Attention: Jim Keller

Client Project ID: Chevron 9-6991 / 960913-D3  
Matrix: Liquid

Work Order #: 9609812-01-02

Reported: Oct 1, 1996

**QUALITY CONTROL DATA REPORT**

**Analyte:** Diesel

**QC Batch#:** GC0919960HBPEXZ

**Analy. Method:** EPA 8015M

**Prep. Method:** EPA 3520

**Analyst:** J. Minkel

**MS/MSD #:** 960981202

**Sample Conc.:** 1400

**Prepared Date:** 9/19/96

**Analyzed Date:** 9/21/96

**Instrument I.D.#:** GCHP5

**Conc. Spiked:** 1000 µg/L

**Result:** 2300

**MS % Recovery:** 90

**Dup. Result:** 2700

**MSD % Recov.:** 130

**RPD:** 16

**RPD Limit:** 0-50

**LCS #:** BLK091996

**Prepared Date:** 9/19/96

**Analyzed Date:** 9/21/96

**Instrument I.D.#:** GCHP5

**Conc. Spiked:** 1000 µg/L

**LCS Result:** 1200

**LCS % Recov.:** 120

**MS/MSD** 50-150

**LCS** 60-140

**Control Limits**

**SEQUOIA ANALYTICAL**

Peggy Fenner  
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

9609812.BLA <2>





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

# Chain-of-Custody-Record

Chevron U.S.A. Inc.  
P.O. BOX 5004  
San Ramon, CA 94583  
FAX (415)842-9591

Chevron Facility Number 9-6991  
Facility Address 2920 Castro Valley Blvd., Castro Valley  
Consultant Project Number 960913-73  
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) Mike D  
Collection Date 9-13-96  
Signature [Signature]

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analytes To Be Performed											Remarks						
								BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8245)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,NI (ICAP or AA)										
MW-2	1	5	W	P	0255	HLL	Y	X	X																
MW-7	2	5	W	P	1325			X	X																
TB	3	2	W	P				X																	

960913-73

DO NOT BILL FOR TB-LB

Relinquished By (Signature) <u>[Signature]</u>	Organization <u>BTS</u>	Date/Time <u>9-16-96 0930</u>	Received By (Signature) <u>Michael [Signature]</u>	Organization <u>Sea.</u>	Date/Time <u>9-16-96 0930</u>	Turn-Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days <u>10 Days</u> As Contracted
Relinquished By (Signature) <u>[Signature]</u>	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) <u>[Signature]</u>		Date/Time <u>9/16/96 12:4</u>	

03 91/HCH

**Field  
Data  
Sheets**



# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>960627-A3</u>	Station #: <u>9-6791</u>
Sampler: <u>N</u>	Start Date: <u>6-27-76</u>
Well I.D.: <u>MW-7</u>	Well Diameter: (circle one) <u>6</u> 3 4 6
Total Well Depth: Before <u>19.79</u> After	Depth to Water: Before <u>11.53</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>PVC</u> Grade Other:	

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

<u>1.3</u>	<u>x</u>	<u>3</u>	<u>=</u>	<u>3.9</u>	gallons
1 Case Volume		Specified Volumes			

Purging: Bailer Disposable Bailer <input checked="" type="checkbox"/> Middleburg Electric Submersible Extraction Pump Other _____	Sampling: Bailer Disposable Bailer <input checked="" type="checkbox"/> Extraction Port Other _____
--	---

TIME	TEMP. (F)	PH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1507</u>	<u>70.0</u>	<u>7.3</u>	<u>1000</u>	<u>—</u>	<u>1.5</u>	<u>ODOR</u>
<u>1509</u>	<u>70.2</u>	<u>7.3</u>	<u>1000</u>	<u>—</u>	<u>3.0</u>	
<u>1511</u>	<u>70.2</u>	<u>7.3</u>	<u>1000</u>	<u>—</u>	<u>4.0</u>	

Did Well Dewater? N If yes, gals. Gallons Actually Evacuated: 4.0

Sampling Time: 1515 Sampling Date: 6-27-76

Sample I.D.: MW7 Laboratory: SEQ

Analyzed for: (Circle) TPH-G BTEX TPH-D OTHER: MTBE

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

Analyzed for: (Circle) TPH-G BTEX TPH-D OTHER:

# **Field Data Sheets**



# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>960913-D3</u>		Station #: <u>9-6991</u>	
Sampler: <u>MD</u>		Start Date: <u>9-13-96</u>	
Well I.D.: <u>MW-2</u>		Well Diameter: (circle one) 2 3 4 6 <u>3/4</u>	
Total Well Depth: Before <u>18-62</u> After		Depth to Water: Before <u>11-78</u> After	
Depth to Free Product:		Thickness of Free Product (feet):	
Measurements referenced to:      PVC      Grade      Other:			

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

x 0.035

<u>0.2</u>	x	<u>3</u>	=	<u>0.7</u>	gallons
1 Case Volume                      Specified Volumes					

Purging: Bailer <u>X 1/2</u> Disposable Bailer Middleburg Electric Submersible Extraction Pump Other _____	Sampling: Bailer <u>X 1/2</u> Disposable Bailer Extraction Port Other _____
---	--

TIME	TEMP. (F)	PH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1240	68.2	7.4	1200	—	0.2	
1242	67.8	7.4	1300	—	0.4	
1244	68.0	7.4	1300	—	0.7	

Did Well Dewater? N If yes, gals.                      Gallons Actually Evacuated: 0.7

Sampling Time: 1255                      Sampling Date: 9-13

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

Analyzed for: TPH-G BTEX TPH-D      OTHER:

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

Analyzed for: TPH-G BTEX TPH-D OTHER:  
(Circle)

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>960913-D3</u>		Station #: <u>9-6991</u>	
Sampler: <u>ND</u>		Start Date: <u>9-13-96</u>	
Well I.D.: <u>MW-7</u>		Well Diameter: (circle one) <u>(2)</u> 3 4 6	
Total Well Depth: Before <u>19.80</u> After		Depth to Water: Before <u>11.92</u> After	
Depth to Free Product:		Thickness of Free Product (feet):	
Measurements referenced to: <u>(EVC)</u> Grade Other:			

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

<u>1.3</u>	$\times$	<u>3</u>	$=$	<u>3.8</u>	gallons
1 Case Volume		Specified Volumes			

Purging: Bailer Disposable Bailer <input checked="" type="checkbox"/> Middleburg Electric Submersible Extraction Pump Other _____	Sampling: Bailer Disposable Bailer <input checked="" type="checkbox"/> Extraction Port Other _____
--	---

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1310</u>	<u>68.6</u>	<u>7.6</u>	<u>1100</u>	<u>—</u>	<u>1.5</u>	
<u>1314</u>	<u>68.8</u>	<u>7.4</u>	<u>1000</u>	<u>—</u>	<u>2.5</u>	
<u>1316</u>	<u>69.0</u>	<u>7.2</u>	<u>1100</u>	<u>—</u>	<u>4.0</u>	

Did Well Dewater? <input checked="" type="checkbox"/> If yes, gals.	Gallons Actually Evacuated: <u>4.0</u>
Sampling Time: <u>1325</u>	Sampling Date: <u>9-13-96</u>
Sample I.D.: <u>MW-7</u>	Laboratory: <u>SEB</u>
Analyzed for: (Circle) <u>TPH-G</u> <u>BTEX</u> <u>TPH-D</u> OTHER: <u>MTBE</u>	
Duplicate I.D.:	Cleaning Blank I.D.:
Analyzed for: (Circle) TPH-G BTEX TPH-D OTHER:	