Chevron

March 31, 1997

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

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

Re: Former Signal Service Station #S0800
800 Center Street
Oakland, California

Dear Ms. Eberle:

Enclosed is a copy of the First Quarter Groundwater Monitoring report for 1997, that was prepared by our consultant Blaine Tech Services, Inc. for the above noted facility. Groundwater samples were analyzed for TPH-g, BTEX and MtBE constituents.

The results from sampling monitoring wells MW-2 and MW-7 were below method detection limits for all constituents, while monitoring well MW-4 was below method detection limits for benzene, toluene and ethyl benzene constituents. The TPH-g and BTEX constituents for monitoring wells MW-1 and MW-3 dropped dramatically from the previous sampling event, which occurred in October 1996, with wells MW-1 and MW-3 detecting a concentration of benzene at 870 ppb and 56 ppb from a previous concentration of 19,000 ppb and 11,000 ppb respectively. Conversely, monitoring well MW-6 detected the presence of TPH-g and BTEX constituents in this sampling event, while the previous sampling event in January 1997 had these same constituents at below method detection limits. Well MW-5 was inaccessible for sampling as a vehicle was parked over it.

The depth to ground water varied from 6.28 feet to 7.50 feet below grade with a direction of flow to the south southwest.

Chevron has no explanation for the dramatic drop in the TPH-g and BTEX constituents as noted above, these results could be an anomaly either way; however, additional sampling should resolve this question. Chevron has set this site up to monitor and sample on a quarterly basis at this time.

I have asked our consultant Pacific Environmental Group Inc. to analyze different approaches/methods to remediate this site and expect to receive this information this week. After review of the data, I would like to set up a meeting with you to discuss the approach/methods that Chevron would propose, prior to submittal of a work plan, so that we are in tentative agreement in remediating the site.

If you have any questions or comments, call me at (510) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY

Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

cc: Ms. B. C. Owen, Chevron

Mr. J. N. Robbins, Chevron

Mr. Terrell A. Sadler
618 Brooklyn Avenue
Oakland, CA. 94606

Mr. James Scott
BPH, Inc.
580 Market Street, Suite 400
San Francisco, CA. 94104

Ms. Sandi Nichols
Washburn, Briscoe & McCarthy
55 Francisco Street, Suite 600
San Francisco, CA. 94133

Mr. Hollis Rodgers
c/o Victor E. Brown, Esq.
580 Grand Avenue
Oakland, CA 94610

BLAINE
TECH SERVICES inc.

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

March 28, 1997

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

1st Quarter 1997 Monitoring at S-800

First Quarter 1997 Groundwater Monitoring at
Chevron Service Station Number S-800
800 Center St.
Oakland, CA

Monitoring Performed on February 20, 1997

Groundwater Sampling Report 970220-C-1

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

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

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

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

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

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

Please call if you have any questions.

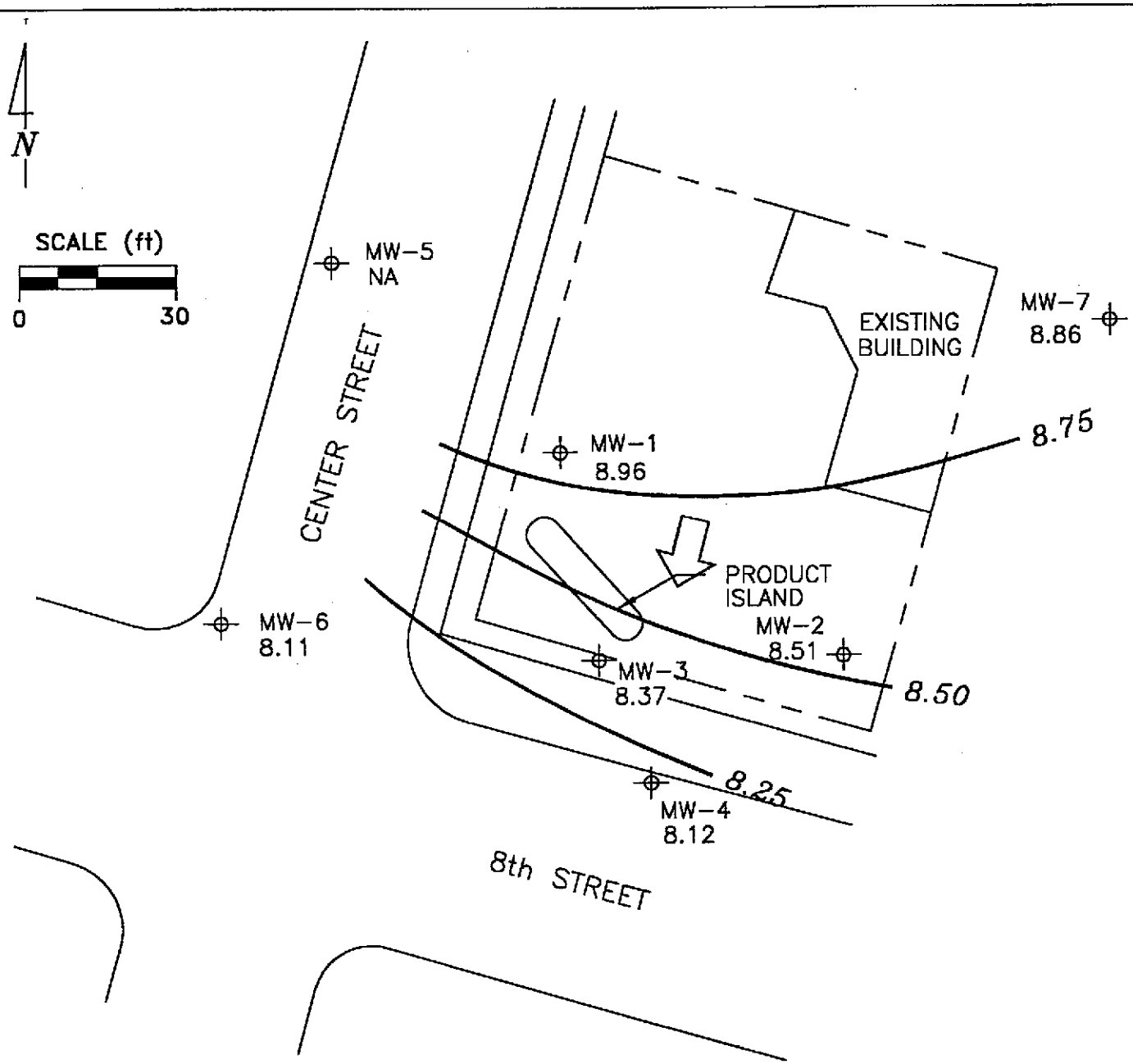
Yours truly,

Francis Thie
Vice President

FPT/cg

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

Professional Engineering Appendix



EXPLANATON

- MONITORING WELL
- 8.25 GROUNDWATER ELEVATION (FT, MSL)
- 8.75 — GROUNDWATER ELEVATION CONTOUR (FT, MSL)
- NA DATA NOT AVAILABLE
- APPROXIMATE GROUNDWATER FLOW DIRECTION; APPROXIMATE GRADIENT = 0.01

REGISTERED GEOLOGIST
STEVEN C. KHUK
No 1976
9/98
STATE OF CALIFORNIA

Basemap from Ron Archer Engineer Inc.

PREPARED BY RRM engineering contracting firm	**Former Signal Service Station S-0800** 800 Center Street Oakland, California **GROUNDWATER ELEVATION CONTOUR MAP, FEBRUARY 20, 1997**	FIGURE: 1 PROJECT: DAC04

Table of
Well Data and
Analytical Results

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE
MW-1										
10/27/95	15.69	5.15	10.54	--	170,000	19,000	34,000	4800	26,000	--
02/20/97	15.64	8.96	6.68	--	18,000	870	3500	470	2100	<250
MW-2										
10/27/95	15.77	10.60	5.17	--	<50	<0.5	<0.5	<0.5	<0.5	--
02/20/97	15.72	8.51	7.21	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-3										
10/27/95	15.46	10.37	5.09	--	33,000	11,000	1700	2300	4200	--
02/20/97	15.42	8.37	7.05	--	260	56	<1.0	7.6	5.9	<5.0
MW-4										
10/27/95	14.45	9.37	5.08	--	66	6.8	<0.5	<0.5	<0.5	--
02/20/97	14.40	8.12	6.28	--	54	<0.5	<0.5	<0.5	7.4	39
MW-5										
01/03/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
02/20/97	15.03	--	--	Inaccessible	--	--	--	--	--	--
MW-6										
01/03/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
02/20/97	14.73	8.11	6.62	--	800	310	23	11	28	<12
MW-7										
01/03/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
02/20/97	16.36	8.86	7.50	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE
TRIP BLANK										
02/20/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on February 20, 1997.
Earlier field data and analytical results are drawn from the January 24, 1997 Groundwater Technology, Inc. report.

ABBREVIATIONS:
TPH = Total Petroleum Hydrocarbons
MTBE = Methyl t-Butyl Ether
ND = Not detected at or above the minimum quantitation limit. See laboratory reports for minimum quantitation limits.

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 Tech Services	Client Proj. ID: Chevron S-800/970220-C1	Sampled: 02/20/97
1680 Rogers Avenue	Sample Descript: MW-1	Received: 02/21/97
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/26/97
Attention: Fran Thie	Lab Number: 9702B57-01	Reported: 02/27/97

QC Batch Number: GC022697BTEX06A
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**5000**	**18000**
Methyl t-Butyl Ether	250	N.D.
Benzene	**50**	**870**
Toluene	**50**	**3500**
Ethyl Benzene	**50**	**470**
Xylenes (Total)	**50**	**2100**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	86

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 S-800/970220-C1	Sampled: 02/20/97
1680 Rogers Avenue	Sample Descript: MW-2	Received: 02/21/97
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/25/97
Attention: Fran Thie	Lab Number: 9702B57-02	Reported: 02/27/97

QC Batch Number: GC022597BTEX22A
Instrument ID: GCHP22

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	112

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 S-800/970220-C1	Sampled: 02/20/97
1680 Rogers Avenue	Sample Descript: MW-3	Received: 02/21/97
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/26/97
Attention: Fran Thie	Lab Number: 9702B57-03	Reported: 02/27/97

QC Batch Number: GC022697BTEX06A
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**100**	**260**
Methyl t-Butyl Ether	5.0	N.D.
Benzene	**1.0**	**56**
Toluene	1.0	N.D.
Ethyl Benzene	**1.0**	**7.6**
Xylenes (Total)	**1.0**	**5.9**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	88

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy 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 S-800/970220-C1
Sample Descript: MW-4
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9702B57-04

Sampled: 02/20/97
Received: 02/21/97

Analyzed: 02/26/97
Reported: 02/27/97

QC Batch Number: GC022697BTEX07A
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**	**54**
Methyl t-Butyl Ether	**2.5**	**39**
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	**0.50**	**7.4**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	108

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 S-800/970220-C1	Sampled: 02/20/97
1680 Rogers Avenue	Sample Descript: MW-6	Received: 02/21/97
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/27/97
Attention: Fran Thie	Lab Number: 9702B57-05	Reported: 02/27/97

QC Batch Number: GC022797BTEX06A
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**250**	**800**
Methyl t-Butyl Ether	12	N.D.
Benzene	**2.5**	**310**
Toluene	**2.5**	**23**
Ethyl Benzene	**2.5**	**11**
Xylenes (Total)	**2.5**	**28**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	97

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 S-800/970220-C1
Sample Descript: MW-7
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9702B57-06

Sampled: 02/20/97
Received: 02/21/97

Analyzed: 02/25/97
Reported: 02/27/97

QC Batch Number: GC022597BTEX22A
Instrument ID: GCHP22

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	115

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	Client Proj. ID: Chevron S-800/970220-C1	Sampled: 02/20/97
1680 Rogers Avenue	Sample Descript: TB	Received: 02/21/97
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/25/97
Attention: Fran Thie	Lab Number: 9702B57-07	Reported: 02/27/97

QC Batch Number: GC022597BTEX22A
Instrument ID: GCHP22

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	108

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 S-800/970220-C1

Lab Proj. ID: 9702B57

Received: 02/21/97

Reported: 02/27/97

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 12 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

TPPH Note: Sample 9702B57-01 was diluted 100-fold.
Sample 9702B57-03 was diluted 2-fold.
Sample 9702B57-05 was diluted 5-fold.

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

Sequoia Analytical

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

Client Project ID: Chevron S-800/970220-C1
Matrix: Liquid
Work Order #: 9702B57 01,03
Reported: Mar 4, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC022697BTEX06A	GC022697BTEX06A	GC022697BTEX06A	GC022697BTEX06A
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 #:	GW9702871004	GW9702871004	W9702871004	GW9702871004
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/26/97	2/26/97	2/26/97	2/26/97
Analyzed Date:	2/26/97	2/26/97	2/26/97	2/26/97
Instrument I.D.#:	GCHP-06	GCHP-06	GCHP-06	GCHP-06
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	10	10	30
MS % Recovery:	100	100	100	100
Dup. Result:	9.8	9.7	9.9	29
MSD % Recov.:	98	97	99	97
RPD:	2.0	3.0	1.0	3.4
RPD Limit:	0-25	0-25	0-25	0-25
LCS #:	BLK022697	BLK022697	BLK022697	BLK022697
Prepared Date:	2/26/97	2/26/97	2/26/97	2/26/97
Analyzed Date:	2/26/97	2/26/97	2/26/97	2/26/97
Instrument I.D.#:	GCHP-06	GCHP-06	GCHP-06	GCHP-06
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	9.9	9.9	10	30
LCS % Recov.:	99	99	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

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

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

Client Project ID: Chevron S-800/970220-C1
Matrix: Liquid
Work Order #: 9702B57 02,06,07
Reported: Mar 4, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC022597BTEX22A	GC022597BTEX22A	GC022597BTEX22A	GC022597BTEX22A
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 #:	GW9702871003	GW9702871003	W9702871003	GW9702871003
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/25/97	2/25/97	2/25/97	2/25/97
Analyzed Date:	2/25/97	2/25/97	2/25/97	2/25/97
Instrument I.D.#:	GCHP-22	GCHP-22	GCHP-22	GCHP-22
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.3	9.0	9.0	26
MS % Recovery:	93	90	90	87
Dup. Result:	9.4	9.1	9.2	27
MSD % Recov.:	94	91	92	90
RPD:	1.1	1.1	2.2	3.8
RPD Limit:	0-25	0-25	0-25	0-25
LCS #:	BLK022597	BLK022597	BLK022597	BLK022597
Prepared Date:	2/25/97	2/25/97	2/25/97	2/25/97
Analyzed Date:	2/25/97	2/25/97	2/25/97	2/25/97
Instrument I.D.#:	GCHP-22	GCHP-22	GCHP-22	GCHP-22
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	9.0	8.8	8.8	26
LCS % Recov.:	90	88	88	87
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

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.
1680 Rogers Avenue
San Jose, CA 95112
Attention: Fran Thie

Client Project ID: Chevron S-800/970220-C1
Matrix: Liquid
Work Order #: 9702B57 05
Reported: Mar 4, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC022797BTEX06A	GC022797BTEX06A	GC022797BTEX06A	GC022797BTEX06A
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 #:	GW970287105	GW970287105	GW970287105	GW970287105
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/27/97	2/27/97	2/27/97	2/27/97
Analyzed Date:	2/27/97	2/27/97	2/27/97	2/27/97
Instrument I.D.#:	GCHP-06	GCHP-06	GCHP-06	GCHP-06
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.8	9.3	10	30
MS % Recovery:	93	93	100	100
Dup. Result:	13	13	13	37
MSD % Recov.:	130	130	130	123
RPD:	28	33	26	21
RPD Limit:	0-25	0-25	0-25	0-25

LCS #:	BLK022797BSA	BLK022797BSA	LK022797BSA	BLK022797BSA
Prepared Date:	2/27/97	2/27/97	2/27/97	2/27/97
Analyzed Date:	2/27/97	2/27/97	2/27/97	2/27/97
Instrument I.D.#:	GCHP-06	GCHP-06	GCHP-06	GCHP-06
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	9.7	9.8	9.9	29
LCS % Recov.:	97	98	99	97
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

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404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
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Blaine Tech Services, Inc.
1680 Rogers Avenue
San Jose, CA 95112
Attention: Fran Thie

Client Project ID: Chevron S-800/970220-C1
Matrix: Liquid
Work Order #: 9702B57 04
Reported: Mar 4, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC022697BTEX07A	GC022697BTEX07A	GC022697BTEX07A	GC022697BTEX07A
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 #:	GW9702871004	GW9702871004	GW9702871004	GW9702871004
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/26/97	2/26/97	2/26/97	2/26/97
Analyzed Date:	2/26/97	2/26/97	2/26/97	2/26/97
Instrument I.D.#:	GCHP-07	GCHP-07	GCHP-07	GCHP-07
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.5	9.6	9.8	30
MS % Recovery:	95	96	98	100
Dup. Result:	9.2	9.2	9.5	28
MSD % Recov.:	95	92	95	93
RPD:	3.2	4.3	3.1	6.9
RPD Limit:	0-25	0-25	0-25	0-25
LCS #:	BLK022697	BLK022697	BLK022697	BLK022697
Prepared Date:	2/26/97	2/26/97	2/26/97	2/26/97
Analyzed Date:	2/26/97	2/26/97	2/26/97	2/26/97
Instrument I.D.#:	GCHP-07	GCHP-07	GCHP-07	GCHP-07
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	9.2	9.1	9.4	28
LCS % Recov.:	92	91	94	93
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:
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** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

Chain-of-Custody-Record

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

Chevron Facility Number S-800
Facility Address 800 Center St., Oakland, CA
Consultant Project Number 970220-C1
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 9013363
Samples Collected by (Name) Kevin Parker
Collection Date 02-20-97
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					DO NOT BILL FOR TB-LB
MW-1	1	3	W		12:30	HCl	Y	X								X					9702B57
MW-2	2	3	W		10:00	HCl	Y	X								X					
MW-3	3	3	W		12:07	HCl	Y	X								X					
MW-4	4	3	W		11:25	HCl	Y	X								X					
MW-6	5	3	W		11:00	HCl	Y	X								X					
MW-7	6	3	W		10:30	HCl	Y	X								X					
TB	7	2	W		10:10	HCl	Y	X								X					

Remarks

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BTS	2/21/97 1025		SEQ	2/21/97 1025
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	SEQ	2/21/97			
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
					2/21/97 1259

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

Field
Data
Sheets

WELL GAUGING DATA

Project # 970220-C1 Date 02-20-97 Client Chevron

Site 800 Center St Oakland Ca

Well I.D.	Well Size (in.)	Sheen/ Odor	Depth to Immiscible Liquid (feet)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to Water (feet)	Depth to Well Bottom (feet)	Survey Point: TOB or TOC
MW-1	2					6.68	13.75	TOC
MW-2	2					7.21	13.90	
MW-3	2					7.05	14.25	
MW-4	2					6.78	13.40	
MW-5		Inaccessible						
MW-6	2					6.62	19.71	
MW-7	2					7.50	18.58	

CHEVRON WELL MONITORING DATA SHEET

Project #: 970220-C1	Station #: 5-800
Sampler: K. C	Date: 02-20-97
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 13.75	Depth to Water: 6.68
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius² * 0.163

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

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

1.1	x	3	=	3.3 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
12:20	60.2	7.6	600	600 1	
12:21	61.0	7.4	440	2	
12:22				3.5	

Did well dewater? Yes (No)		Gallons actually evacuated: 3.5	
Sampling Time: 12:30		Sampling Date: 02-20-97	
Sample I.D.: MW-1		Laboratory: (Sequoia) GTEL	
Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D		Other:	
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 970220-C1	Station #: S-800
Sampler: K.C	Date: 02-20-97
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 13.90	Depth to Water: 7.21
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius² * 0.163

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

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

1.0 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 3.0 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
9:52	63.2	7.2	1000	1.0	Oiery Brown
9:53	60.6	7.3	590	2.0	" "
9:54	60.4	7.4	480@	3.0	" "

Did well dewater? Yes (No)		Gallons actually evacuated: 3.0	
Sampling Time: 10:02		Sampling Date: 02-20-97	
Sample I.D.: MW-2		Laboratory: (Sequoia) GTEL	
Analyzed for: (TPH-G) (BTEX) MTBE TPH-D Other:			
D.O. (if req'd): Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 970220-C1	Station #: 5-800
Sampler: K.C	Date: 2-20-97
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 14.25	Depth to Water: 7.05
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius² * 0.163

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

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

1.1 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 3.3 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
11:56	63.2	7.8	860	1.0	
11:57	64.0	7.0	840	2.0	
11:58	64.4	7.0	840	3.5	

Did well dewater? Yes (No) Gallons actually evacuated: 3.5

Sampling Time: 12:07 Sampling Date: 2-20-97

Sample I.D.: MW-3 Laboratory: (Sequoia) GTEL

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

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

CHEVRON WELL MONITORING DATA SHEET

Project #: 970220-C1	Station #: S-800
Sampler: K.C	Date: 2-20-97
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 13.40	Depth to Water: 6.28
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius² * 0.163

Purge Method: Bailer / Disposable Bailer X / Middleburg / Electric Submersible / Extraction Pump / Other: ____

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

1.1 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 3.3 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
11:13	61.8	7.4	600	1.0	
11:15	62.2	7.0	600	2.5	
11:16	62.2	6.9	590	3.5	

Did well dewater? Yes (No)		Gallons actually evacuated: 3.5	
Sampling Time: 11:25		Sampling Date: 02-20-97	
Sample I.D.: MW-4		Laboratory: (Sequoia) GTEL	
Analyzed for: ~~TPH-G~~ ~~BTEX~~ MTBE TPH-D		Other:	
D.O. (if req'd):	Pre-purge: ____ mg/L	Post-purge: ____	mg/L
O.R.P. (if req'd):	Pre-purge: ____ mV	Post-purge: ____	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 970220-C1	Station #: 5-800
Sampler: K.C	Date: 02-20-97
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius² * 0.163

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

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

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

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
	In accessible		car parked	over	well
	Rec'd @	9:30 am	02-20-97		
		12:30 pm	02-20-97		
		10:30 am 15:00	02-21-97 02-21-97		

Did well dewater? Yes No	Gallons actually evacuated:		
Sampling Time:	Sampling Date:		
Sample I.D.:	Laboratory: Sequoia GTEL		
Analyzed for: TPH-G BTEX MTBE TPH-D Other:			
D.O. (if req'd): Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 970220-C1	Station #: 5-800
Sampler: K.C.	Date: 2-20-97
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 19.71	Depth to Water: 6.62
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius² * 0.163

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

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

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

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
10:47	62.8	7.4	520	2.0	
10:49	63.0	7.3	540	4.0	
10:51	63.4	7.2	540	6.0	

Did well dewater? Yes (No)		Gallons actually evacuated: 6.0	
Sampling Time: 11:00		Sampling Date: 02-20-97	
Sample I.D.: MW-6		Laboratory: (Sequoia) GTEL	
Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D	Other:		
D.O.:(if req'd):	Pre-purge: ___ mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge: ___ mV	Post-purge:	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 970220-C1	Station #: S-800
Sampler: K.C	Date: 2-20-97
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 18.58	Depth to Water: 7.50
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: ___

1.7 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 5.1 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
10:24	58.0	7.4	560	1.5	
10:26	58.6	7.4	500	3.5	
10:28	59.0	7.3	490	5.5	

Did well dewater? Yes (No) Gallons actually evacuated: 5.5

Sampling Time: 10:35 Sampling Date: 2-20-97

Sample I.D.: MW-1 Laboratory: (Sequoia) GTEL

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

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