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

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

#541

MTBE is high

Re: Chevron Service Station #9-1851
451 Hegenberger Road , Alameda, California

Dear Mr. Chan:

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, BTEX, MtBE, TPH-d and VOC constituents, in monitoring well M-2 and analyzed for TPH-g, BTEX, and MtBE constituents for the remaining three wells. Well MW-4 had a confirmatory sample taken and analyzed for the MtBE constituent by using EPA method 8260.

Low concentrations of TPH-g, BTEX, MtBE, TPH-d and VOC constituents continue to be detected in monitoring well MW-2, while the other wells detected low concentrations of the TPH-g, BTEX, and MtBE constituents. The additional sampling for monitoring well MW-4, confirmed the presence of the MtBE constituent.

The ground water depth varied from 3.30 feet to 4.83 feet below grade with a direction of flow northwesterly.

Chevron will continue to monitor the wells quarterly. If you have any questions, I can be contacted at (510) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY

Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

cc. Mr. Bill Scudder, Chevron

Mr. Ben Shimek
451 Hegenberger Road
Oakland, CA 94621

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. 0. Box 6004
San Ramon, CA 94583-0904

1st Quarter 1997 Monitoring at 9-1851

First Quarter 1997 Groundwater Monitoring at
Chevron Service Station Number 9-1851
451 Hegenberger Rd.
Oakland, CA

Monitoring Performed on March 20, 1997

Groundwater Sampling Report **970320-W-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 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.

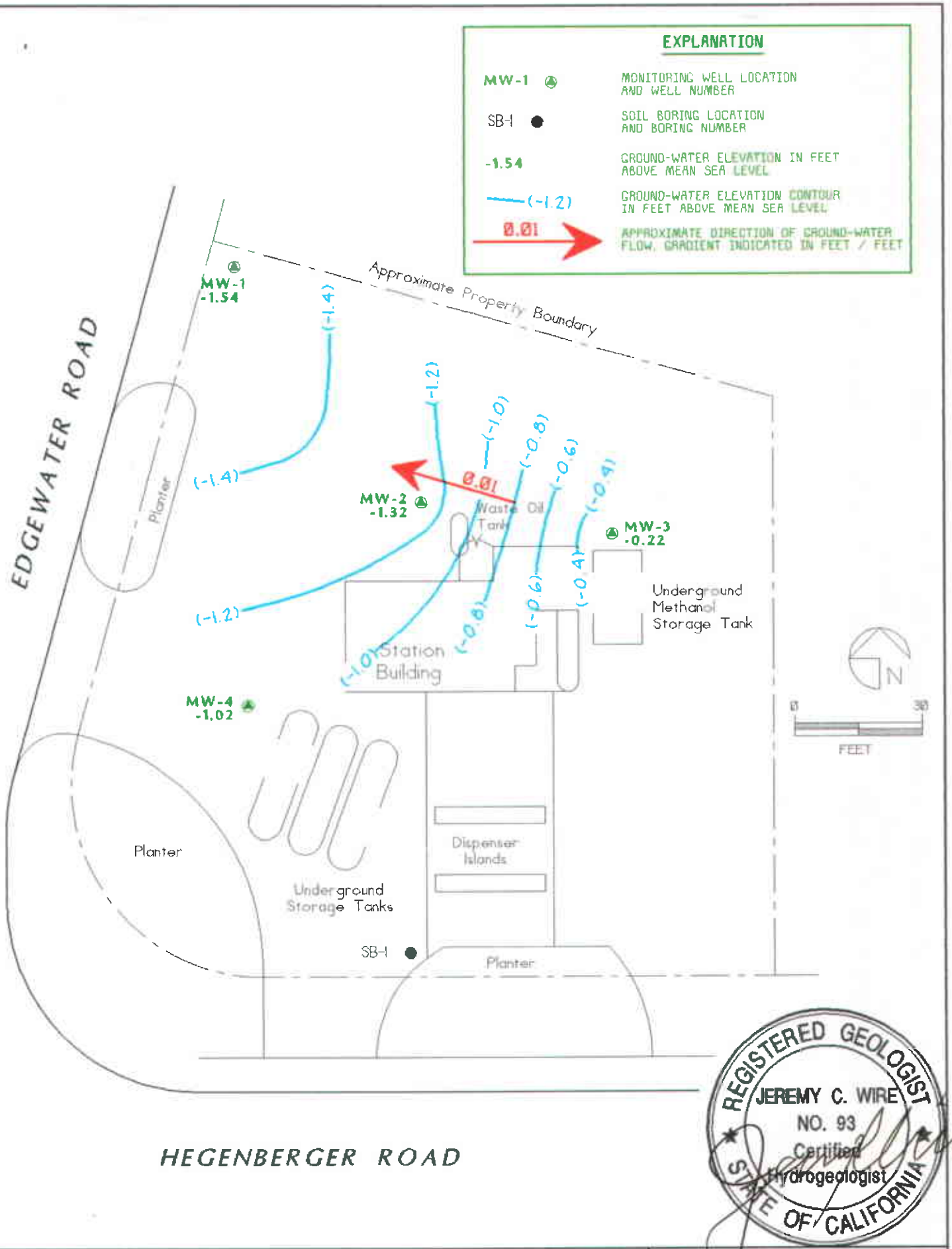
Yours truly,

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



REGISTERED GEOLOGIST
JEREMY C. WIRE
NO. 93
Certified Hydrogeologist
STATE OF CALIFORNIA

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

LOCATION : CHEVRON SERVICE STATION No.: 9-1851
451 HEGENBERGER ROAD, OAKLAND, CALIFORNIA

SOURCE : GETTLER-RYAN INC.

GEOCONSULTANTS, INC
SAN JOSE, CALIFORNIA
Project No. G758-09

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	TOG	TPH-Diesel	Benzene by (EPA 8240)	Xylene by (EPA 8240)	C-1, 2-DCE	Vinyl Chloride	MTBE
MW-1																
10/17/95	2.61	-1.51	4.12	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
03/29/96	2.61	-0.72	3.33	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	9.5
06/26/96	2.61	-1.23	3.84	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	46
09/25/96	2.61	-1.41	4.02	--	<250	<2.5	<2.5	<2.5	<2.5	--	--	--	--	--	--	940
12/17/96	2.61	-0.96	3.57	--	<50	0.86	<0.5	<0.5	<0.5	--	--	--	--	--	--	260
03/20/97	2.61	-1.54	4.15	--	<50	<2.0	<2.0	<2.0	<2.0	--	--	--	--	--	--	76
MW-2																
10/17/95	3.51	-1.82	5.33	*	170	3.5	<0.5	1.0	6.1	<5000	1600**	--	--	11	--	--
03/29/96	3.51	-0.44	3.95	--	89	4.7	<0.5	0.64	0.74	--	3000**	11	2.5	17	5.4	21
06/26/96	3.51	-1.09	4.60	--	80	8.7	<0.5	1.2	1.3	--	2000**	11	<2.0	15	12	31
09/25/96	3.51	--	--	Inaccessible	--	--	--	--	--	--	--	--	--	--	--	--
12/17/96	3.51	-0.41	3.92	--	110	<0.5	<0.5	0.75	2.1	--	2400**	10	<2.0	2.3	5.5	27
03/20/97	3.51	-1.32	4.83	--	140	8.2	<2.0	<2.0	<2.0	--	3400**	--	--	<2.0	3.2	58
MW-3																
10/17/95	3.08	-1.34	4.42	***	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
03/29/96	3.08	0.08	3.00	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	26
06/26/96	3.08	-0.52	3.60	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	47
09/25/96	3.08	-1.06	4.14	--	<125	<1.2	<1.2	<1.2	<1.2	--	--	--	--	--	--	570
12/17/96	3.08	-0.12	3.20	--	<500	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--	680
03/20/97	3.08	-0.22	3.30	--	<50	<5.7	<5.7	<5.7	<5.7	--	--	--	--	--	--	430
MW-4																
10/17/95	3.48	-1.60	5.08	--	<125	<1.2	<1.2	<1.2	<1.2	--	--	--	--	--	--	--
03/29/96	3.48	-1.13	4.61	--	<1000	<10	<10	<10	<10	--	--	--	--	--	--	6700
06/26/96	3.48	-0.82	4.30	--	<2000	<20	<20	<20	<20	--	--	--	--	--	--	7200
09/25/96	3.48	-1.85	5.33	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	<2.5
12/17/96	3.48	0.67	2.81	--	<2000	120	<20	<20	<20	--	--	--	--	--	--	11,000
03/20/97	3.48	-1.02	4.50	--	250**	<2.0	<2.0	<2.0	<2.0	--	--	--	--	--	--	10,000
03/20/97	3.48	-1.02	4.50	Conf. run	--	--	--	--	--	--	--	--	--	--	--	8600

* Results of EPA 8010 test indicates that the detection of 1,1-Dichloroethane is 1.7 ppb.
** Chromatagram pattern indicates an unidentified hydrocarbon.
*** Results of EPA 8015 test indicates that levels of Methanol and Methyl ethyl ketone are respetively <1000 and <200 ppb.

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	TOG	TPH-Diesel	Benzene (EPA 8240)	Xylene (EPA 8240)	1, 2-DCE	Vinyl Chloride	MTBE
TRIP BLANK																
10/17/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--
03/29/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	<2.5
06/26/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	<2.5
09/25/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	<2.5
12/17/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	<2.5
03/20/97	--	--	--	--	<50	<2.0	<2.0	<2.0	<2.0	--	--	--	--	--	--	--

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on March 29, 1996. Earlier field data and analytical results are drawn from the December 29, 1995 Gettler-Ryan, Inc. report.

ABBREVIATIONS:
TPH = Total Petroleum Hydrocarbons
ND = Not detected at or above the minimum quantitation limit. See laboratory reports for minimum quantitation limits.
TOG = Total Oil Grease
MTBE = Methyl t-butyl ether
C-1,2 DCE = Cis-1,2-Dichloroethylene
Conf. run = Confirmation run

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 9-1851/970320-W3	Sampled: 03/20/97
1680 Rogers Avenue	Sample Descript: MW-1	Received: 03/21/97
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: EPA 8260	Analyzed: 03/27/97
Attention: Fran Thie	Lab Number: 9703B93-01	Reported: 04/03/97

QC Batch Number: MS032797826OH6A
Instrument ID: H6

Volatile Organics (EPA 8260)

Analyte	Detection Limit ug/L	Sample Results ug/L
Benzene	2.0	N.D.
Ethylbenzene	2.0	N.D.
Toluene	2.0	N.D.
Total Xylenes	2.0	N.D.

Surrogates	Control Limits %		% Recovery
1,2-Dichloroethane-d4	76	114	94
Toluene-d8	88	110	103
4-Bromofluorobenzene	86	115	98

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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Blaine Tech Services	Client Proj. ID: Chevron 9-1851/970320-W3	Sampled: 03/20/97
1680 Rogers Avenue	Sample Descript: MW-1	Received: 03/21/97
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: EPA 8015 Mod	Analyzed: 03/26/97
Attention: Fran Thie	Lab Number: 9703B93-01	Reported: 04/03/97

QC Batch Number: GC032697BTEX03A
Instrument ID: GCHP3

Total Purgeable Petroleum Hydrocarbons (TPPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	87

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Renner
Project Manager

Sequoia Analytical

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Blaine Tech Services	Client Proj. ID: Chevron 9-1851/970320-W3	Sampled: 03/20/97
1680 Rogers Avenue	Sample Descript: MW-2	Received: 03/21/97
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: EPA 8260	Analyzed: 03/27/97
Attention: Fran Thie	Lab Number: 9703B93-02	Reported: 04/03/97

QC Batch Number: MS0327978260H6A
Instrument ID: H6

Volatile Organics (EPA 8260)

Analyte	Detection Limit ug/L	Sample Results ug/L
Benzene	**2.0**	**8.2**
Bromobenzene	2.0	N.D.
Bromochloromethane	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	2.0	N.D.
n-Butylbenzene	2.0	N.D.
sec-Butylbenzene	2.0	N.D.
tert-Butylbenzene	2.0	N.D.
Carbon tetrachloride	2.0	N.D.
Chloroethane	2.0	N.D.
Chloroform	2.0	N.D.
Chloromethane	2.0	N.D.
2-Chlorotoluene	2.0	N.D.
4-Chlorotoluene	2.0	N.D.
Dibromochloromethane	2.0	N.D.
1,2-Dibromoethane	2.0	N.D.
Dibromomethane	2.0	N.D.
1,2-Dibromo-3-chloropropane	5.0	N.D.
1,2-Dichlorobenzene	2.0	N.D.
1,3-Dichlorobenzene	2.0	N.D.
1,4-Dichlorobenzene	2.0	N.D.
Dichlorodifluoromethane	2.0	N.D.
1,1-Dichloroethane	2.0	N.D.
1,2-Dichloroethane	2.0	N.D.
1,1-Dichloroethylene	2.0	N.D.
cis-1,2-Dichloroethylene	2.0	N.D.
trans-1,2-Dichloroethylene	2.0	N.D.
Monochlorobenzene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
1,3-Dichloropropane	2.0	N.D.
2,2-Dichloropropane	2.0	N.D.
1,1-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
Hexachlorobutadiene	2.0	N.D.
Isopropylbenzene	2.0	N.D.
p-Isopropyltoluene	2.0	N.D.
Methylene chloride	5.0	N.D.
Naphthalene	2.0	N.D.
n-Propylbenzene	2.0	N.D.
Styrene	2.0	N.D.
1,1,1,2-Tetrachloroethane	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethylene	2.0	N.D.

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 9-1851/970320-W3
Sample Descript: MW-2
Matrix: LIQUID
Analysis Method: EPA 8260
Lab Number: 9703B93-02

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

Analyzed: 03/27/97
Reported: 04/03/97

QC Batch Number: MS0327978260H6A
Instrument ID: H6

Analyte	Detection Limit ug/L	Sample Results ug/L
Toluene	2.0	N.D.
1,2,3-Trichlorobenzene	2.0	N.D.
1,2,4-Trichlorobenzene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethylene	2.0	N.D.
Trichlorofluoromethane	2.0	N.D.
1,2,3-Trichloropropane	2.0	N.D.
1,2,4-Trimethylbenzene	2.0	N.D.
1,3,5-Trimethylbenzene	2.0	N.D.
Vinyl chloride	**2.0**	**3.2**
Total Xylenes	2.0	N.D.

Surrogates	Control Limits %		% Recovery
1,2-Dichloroethane-d4	76	114	96
Toluene-d8	88	110	98
4-Bromofluorobenzene	86	115	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

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Chevron 9-1851/970320-W3
Sample Descript: MW-2
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9703B93-02

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

Analyzed: 03/27/97
Reported: 04/03/97

QC Batch Number: GC032797BTEX02A
Instrument ID: GCHP2

Total Purgeable Petroleum Hydrocarbons (TPPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**50**	**140**
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 9-1851/970320-W3	Sampled: 03/20/97
1680 Rogers Avenue	Sample Descript: MW-2	Received: 03/21/97
San Jose, CA 95112	Matrix: LIQUID	Extracted: 03/25/97
	Analysis Method: EPA 8015 Mod	Analyzed: 03/29/97
Attention: Fran Thie	Lab Number: 9703B93-02	Reported: 04/03/97

QC Batch Number: GC0325970HBPEXZ
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	**100**	**3400**
Chromatogram Pattern:	**C9-C24**	**Unidentif**

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	218 Q

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 9-1851/970320-W3	Sampled: 03/20/97
1680 Rogers Avenue	Sample Descript: MW-3	Received: 03/21/97
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: EPA 8260	Analyzed: 03/27/97
Attention: Fran Thie	Lab Number: 9703B93-03	Reported: 04/03/97

QC Batch Number: MS0327978260H6A
Instrument ID: H6

Volatile Organics (EPA 8260)

Analyte	Detection Limit ug/L	Sample Results ug/L
Benzene	5.7	N.D.
Ethylbenzene	5.7	N.D.
Toluene	5.7	N.D.
Total Xylenes	5.7	N.D.

Surrogates	Control Limits %		% Recovery
1,2-Dichloroethane-d4	76	114	97
Toluene-d8	88	110	101
4-Bromofluorobenzene	86	115	98

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Renner
Project Manager

Sequoia Analytical

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Chevron 9-1851/970320-W3
Sample Descript: MW-3
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9703B93-03

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

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

QC Batch Number: GC032697BTEX03A
Instrument ID: GCHP3

Total Purgeable Petroleum Hydrocarbons (TPPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas Chromatogram Pattern:	50	N.D.

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

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Chevron 9-1851/970320-W3
Sample Descript: MW-4
Matrix: LIQUID
Analysis Method: EPA 8260
Lab Number: 9703B93-04

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

Analyzed: 03/27/97
Reported: 04/03/97

QC Batch Number: MS032797826OH6A
Instrument ID: H6

Volatile Organics (EPA 8260)

Analyte	Detection Limit ug/L	Sample Results ug/L
Benzene	2.0	N.D.
Ethylbenzene	2.0	N.D.
Toluene	2.0	N.D.
Total Xylenes	2.0	N.D.

Surrogates	Control Limits %		% Recovery
1,2-Dichloroethane-d4	76	114	95
Toluene-d8	88	110	100
4-Bromofluorobenzene	86	115	98

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 9-1851/970320-W3
Sample Descript: MW-4
Matrix: LIQUID
Analysis Method: EPA 8020
Lab Number: 9703B93-04

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

Analyzed: 04/03/97
Reported: 04/03/97

QC Batch Number: GC040397BTEX02A
Instrument ID: GCHP2

Methyl t-Butyl Ether (MTBE)

Analyte	Detection Limit ug/L	Sample Results ug/L
Methyl t-Butyl Ether	100	**8600**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	81

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

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Project Manager

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Chevron 9-1851/970320-W3
Sample Descript: MW-4
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9703B93-04

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

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

QC Batch Number: GC032697BTEX03A
Instrument ID: GCHP3

Total Purgeable Petroleum Hydrocarbons (TPPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	250
Chromatogram Pattern: **Unidentified HC**		C6-C8

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	78

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

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Chevron 9-1851/970320-W3
Sample Descript: TB
Matrix: LIQUID
Analysis Method: EPA 8260
Lab Number: 9703B93-05

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

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

QC Batch Number: MS0320978260F2A
Instrument ID: F2

Volatile Organics (EPA 8260)

Analyte	Detection Limit ug/L	Sample Results ug/L
Benzene	2.0	N.D.
Ethylbenzene	2.0	N.D.
Toluene	2.0	N.D.
Total Xylenes	2.0	N.D.

Surrogates	Control Limits %		% Recovery
1,2-Dichloroethane-d4	76	114	88
Toluene-d8	88	110	103
4-Bromofluorobenzene	86	115	87

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

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Project Manager

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Blaine Tech Services
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San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Chevron 9-1851/970320-W3
Sample Descript: TB
Matrix: LIQUID
Analysis Method: EPA 8015 Mod
Lab Number: 9703B93-05

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

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

QC Batch Number: GC032697BTEX03A
Instrument ID: GCHP3

Total Purgeable Petroleum Hydrocarbons (TPPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas Chromatogram Pattern:	50	N.D.

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 Perner
Project Manager

Sequoia Analytical

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

Client Proj. ID: Chevron 9-1851/970320-W3

Lab Proj. ID: 9703B93

Received: 03/21/97

Reported: 04/03/97

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 22 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

8260 MTBE Results

Sample #	Sample ID	Detection Limit (ug/L)	Result (ug/L)
9703B93-01	MW-1	2.0	76
9703B93-02	MW-2	2.0	58
9703B93-03	MW-3	5.7	430
9703B93-04	MW-4	140	10000

TEPH Note: Sample 9703B93-02 was diluted 2-fold.

SEQUOIA ANALYTICAL

Reggy Renner
Project Manager

Sequoia Analytical

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Blaine Tech Services, Inc.	Client Project ID:	Chevron 9-1851 / 970320-W3	
1680 Rogers Avenue	Matrix:	Water	
San Jose, CA 95112			
Attention: Fran Thie	Work Order #:	9703B93 -01, 03 -05	Reported: Apr 10, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Gas
QC Batch#:	GC032697BTEX03A
Analy. Method:	EPA 8015M
Prep. Method:	EPA 5030
Analyst:	D. Jirsa
MS/MSD #:	970388504B
Sample Conc.:	N.D.
Prepared Date:	3/26/97
Analyzed Date:	3/26/97
Instrument I.D.#:	GCHP3
Conc. Spiked:	60 µg/L
Result:	65
MS % Recovery:	108
Dup. Result:	66
MSD % Recov.:	110
RPD:	1.5
RPD Limit:	0-25

LCS #:	BLK032697A
Prepared Date:	3/26/97
Analyzed Date:	3/26/97
Instrument I.D.#:	GCHP2
Conc. Spiked:	60 µg/L
LCS Result:	64
LCS % Recov.:	102

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

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

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

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Blaine Tech Services, Inc.	Client Project ID:	Chevron 9-1851 / 970320-W3	
1680 Rogers Avenue	Matrix:	Water	
San Jose, CA 95112			
Attention: Fran Thie	Work Order #:	9703B93 -02	Reported: Apr 10, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Gas
QC Batch#:	GC032797BTEX03B
Analy. Method:	EPA 8015M
Prep. Method:	EPA 5030
Analyst:	A. Miraftab
MS/MSD #:	9703B1603B
Sample Conc.:	N.D.
Prepared Date:	3/27/97
Analyzed Date:	3/27/97
Instrument I.D.#:	GCHP2
Conc. Spiked:	60 µg/L
Result:	66
MS % Recovery:	110
Dup. Result:	73
MSD % Recov.:	122
RPD:	10
RPD Limit:	0-25

LCS #:	BLK032797
Prepared Date:	3/27/97
Analyzed Date:	3/27/97
Instrument I.D.#:	GCHP2
Conc. Spiked:	60 µg/L
LCS Result:	70
LCS % Recov.:	117

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

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

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

Client Project ID: Chevron 9-1851 / 970320-W3
Matrix: Water
Work Order #: 9703B93 -04
Reported: Apr 10, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC040397BTEX02A	GC040397BTEX02A	GC040397BTEX02A	GC040397BTEX02A	GC040397BTEX02A
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 #:	9703F1401C	9703F1401C	9703F1401C	9703F1401C	9703F1401C
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/3/97	4/3/97	4/3/97	4/3/97	4/3/97
Analyzed Date:	4/3/97	4/3/97	4/3/97	4/3/97	4/3/97
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:	9.2	9.0	9.1	29	61
MS % Recovery:	92	90	91	97	102
Dup. Result:	9.0	8.8	9.1	28	59
MSD % Recov.:	90	88	91	93	98
RPD:	2.2	2.2	0.0	3.5	3.3
RPD Limit:	0-25	0-25	0-25	0-25	0-25
LCS #:	BLK040397	BLK040397	BLK040397	BLK040397	BLK040397
Prepared Date:	4/3/97	4/3/97	4/3/97	4/3/97	4/3/97
Analyzed Date:	4/3/97	4/3/97	4/3/97	4/3/97	4/3/97
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:	8.1	8.0	8.1	26	53
LCS % Recov.:	81	80	81	87	88
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

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

Client Project ID: Chevron 9-1851 / 970320-W3
Matrix: Liquid
Work Order #: 9703B93 -02
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

Peggy Penner
Project Manager

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Blaine Tech Services, Inc.	Client Project ID:	Chevron 9-1851 / 970320-W3	
1680 Rogers Avenue	Matrix:	Liquid	
San Jose, CA 95112			
Attention: Fran Thie	Work Order #:	9703B93 -01 -04	Reported: Apr 10, 1997

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-Benzene
QC Batch#:	MS0327978260H6A	MS0327978260H6A	MS0327978260H6A
Analy. Method:	EPA 8260	EPA 8260	EPA 8260
Prep. Method:	N.A.	N.A.	N.A.
Analyst:	L. Duong	L. Duong	L. Duong
MS/MSD #:	9703B9301	9703B9301	9703B9301
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	3/27/97	3/27/97	3/27/97
Analyzed Date:	3/27/97	3/27/97	3/27/97
Instrument I.D.#:	H6	H6	H6
Conc. Spiked:	50 µg/L	50 µg/L	50 µg/L
Result:	45	46	47
MS % Recovery:	90	92	94
Dup. Result:	47	49	51
MSD % Recov.:	94	98	102
RPD:	4.3	6.3	8.2
RPD Limit:	0-25	0-25	0-25

LCS #:	VDB0327S	VDB0327S	VDB0327S
Prepared Date:	3/27/97	3/27/97	3/27/97
Analyzed Date:	3/27/97	3/27/97	3/27/97
Instrument I.D.#:	H6	H6	H6
Conc. Spiked:	50 µg/L	50 µg/L	50 µg/L
LCS Result:	46	48	49
LCS % Recov.:	92	96	98

MS/MSD	60-140	60-140	60-140
LCS	65-135	70-130	70-130
Control Limits			

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

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

Client Project ID: Chevron 9-1851 / 970320-W3
Matrix: Liquid
Work Order #: 9703B93 -01 -04
Reported: Apr 10, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	MTBE
QC Batch#:	MS0327978260H6A	MS0327978260H6A	MS0327978260H6A
Analy. Method:	EPA 8260	EPA 8260	EPA 8260
Prep. Method:	N.A.	N.A.	N.A.
Analyst:	L. Duong	L. Duong	L. Duong
MS/MSD #:	9703B9301	9703B9301	9703B9301
Sample Conc.:	N.D.	N.D.	76
Prepared Date:	3/27/97	3/27/97	3/27/97
Analyzed Date:	3/27/97	3/27/97	3/27/97
Instrument I.D.#:	H6	H6	H6
Conc. Spiked:	50 µg/L	50 µg/L	50 µg/L
Result:	47	45	130
MS % Recovery:	94	90	108
Dup. Result:	49	49	120
MSD % Recov.:	98	98	88
RPD:	4.2	8.5	20
RPD Limit:	0-25	0-25	0-25
LCS #:	VDB0327S	VDB0327S	VDB0327S
Prepared Date:	3/27/97	3/27/97	3/27/97
Analyzed Date:	3/27/97	3/27/97	3/27/97
Instrument I.D.#:	H6	H6	H6
Conc. Spiked:	50 µg/L	50 µg/L	50 µg/L
LCS Result:	49	48	48
LCS % Recov.:	98	96	96
MS/MSD Control Limits	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

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

Client Project ID: Chevron 9-1851 / 970320-W3
Matrix: Water
Work Order #: 9703B93 -05

Reported: Apr 10, 1997

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloro-ethene	Trichloro-ethene	Chloro-Benzene
QC Batch#:	MS0320978260F2A	MS0320978260F2A	MS0320978260F2A
Analy. Method:	EPA 8260	EPA 8260	EPA 8260
Prep. Method:	N.A.	N.A.	N.A.
Analyst:	Li Zhu	Li Zhu	Li Zhu
MS/MSD #:	970387705	970387705	970387705
Sample Conc.:	N.D.	N.D.	N.D.
Prepared Date:	3/20/97	3/20/97	3/20/97
Analyzed Date:	3/20/97	3/20/97	3/20/97
Instrument I.D.#:	MS-F2	MS-F2	MS-F2
Conc. Spiked:	50 µg/L	50 µg/L	50 µg/L
Result:	52	46	51
MS % Recovery:	104	92	102
Dup. Result:	51	45	50
MSD % Recov.:	102	90	100
RPD:	1.9	2.2	1.9
RPD Limit:	0-25	0-25	0-25

LCS #:	VDB0326S	VDB0326S	VDB0326S
Prepared Date:	3/26/97	3/26/97	3/26/97
Analyzed Date:	3/26/97	3/26/97	3/26/97
Instrument I.D.#:	F2	F2	F2
Conc. Spiked:	50 µg/L	50 µg/L	50 µg/L
LCS Result:	45	42	44
LCS % Recov.:	90	84	88

MS/MSD	60-140	60-140	60-140
LCS	65-135	70-130	70-130
Control Limits			

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

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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 9-1851 / 970320-W3	
1680 Rogers Avenue	Matrix:	Water	
San Jose, CA 95112			
Attention: Fran Thie	Work Order #:	9703B93 -05	Reported: Apr 10, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	MTBE
QC Batch#:	MS0320978260F2A	MS0320978260F2A	MS0320978260F2A
Analy. Method:	EPA 8260	EPA 8260	EPA 8260
Prep. Method:	N.A.	N.A.	N.A.
Analyst:	Li Zhu	Li Zhu	Li Zhu
MS/MSD #:	970387705	970387705	970387705
Sample Conc.:	N.D.	N.D.	76
Prepared Date:	3/20/97	3/20/97	3/20/97
Analyzed Date:	3/20/97	3/20/97	3/20/97
Instrument I.D.#:	MS-F2	MS-F2	MS-F2
Conc. Spiked:	50 µg/L	50 µg/L	50 µg/L
Result:	50	51	44
MS % Recovery:	100	102	88
Dup. Result:	50	50	43
MSD % Recov.:	100	100	86
RPD:	0.0	2.0	2.3
RPD Limit:	0-25	0-25	0-25
LCS #:	VDB0326S	VDB0326S	VDB0326S
Prepared Date:	3/26/97	3/26/97	3/26/97
Analyzed Date:	3/26/97	3/26/97	3/26/97
Instrument I.D.#:	F2	F2	F2
Conc. Spiked:	50 µg/L	50 µg/L	50 µg/L
LCS Result:	46	47	46
LCS % Recov.:	92	94	92
MS/MSD Control Limits	60-140	60-140	60-140
LCS Control Limits	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: 9-1851
Facility Address: 451 Hegenberger Rd., Oakland, CA
Consultant Project Number: 970320-W3
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:
Laboratory Release Number: 9034738
Samples Collected by (Name): MTOMEI
Collection Date: 3/20/97
Signature:

Analyses To Be Performed: 9703B93

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)	TPH-GAS BY 8015	BTEX + MTBE BY 8260	8260			Remarks
MW-1	1	3			1025											X	X				CONFIRM
MW-2	2	5			1125				X							X	X	X			HIGHEST MTBE
MW-3	3	3			1045											X	X				RESULT BY
MW-4	4	3			1105											X	X				8020
TB	5	2			—											X	X				
																					ER 21 11 42

DO NOT BILL FOR TB-LB

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[signature]	BTS	3/14/97	Stu Kent	SEQ	3/21/97 1630
Stu Kent	SEQ	3/21/97 1140	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
			Mara Gusels		3/21/97 1142

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

COC-3.DWG/03-97/MCH

Field
Data
Sheets

WELL GAUGING DATA

Project # 970320-W3 Date 3/20 Client 9-1851

Site 451 Hegenberger Rd Oakland

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	2					4.15	14.57	TOC
MW2	2					4.83	14.85	↓
MW3	2					3.80	14.62	↓
MW4	2					4.80	15.00	↓

CHEVRON WELL MONITORING DATA SHEET

Project #: 970320-W3	Station #: 9-1851
Sampler: WS	Date: 3/20
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 14.57	Depth to Water: 4.15
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	x	3	=	5.1 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1015	64.2	6.8	3000	2.0	
1019	64.8	6.8	2800	4.0	
1022	64.0	6.8	2800	5.5	

Did well dewater? Yes (No)		Gallons actually evacuated: 5.5	
Sampling Time: 1025		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 #: 970320-W3	Station #: 9-1851
Sampler: WS	Date: 3/20
Well I.D.: MW2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 1485	Depth to Water: 4.83
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: ____

1.6 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 4.8 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1114	66.2	6.9	5600	2.0	Sheen
1118	66.4	6.9	7200	4.0	
1121	67.2	6.9	7800	5.0	

Did well dewater? Yes (No)	Gallons actually evacuated: 5.0
Sampling Time: 1125	Sampling Date: 3/20
Sample I.D.: MW2	Laboratory: (Sequoia) GTEL
Analyzed for: TPH-G (BTEX) MTBE (TPH-D)	Other: TPH-G By 8015, BTEX & MTBE By 8260, 8260 *
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

* PER FAXED NOTE (2/26/97)

CHEVRON WELL MONITORING DATA SHEET

Project #: 970320-W3	Station #: 9-1851
Sampler: WJ	Date: 3/20
Well I.D.: MW3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 14.62	Depth to Water: 3.30
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: _____

1.8	x	3	=	5.4 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1035	65.6	7.0	2400	2.0	
1039	65.2	6.9	2500	4.0	
1041	65.4	7.0	2600	5.5	

Did well dewater? Yes (No)		Gallons actually evacuated: 5.5	
Sampling Time: ~~1045~~ 1045		Sampling Date: 3/20	
Sample I.D.: MW3		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-W3	Station #: 9-1851
Sampler: WS	Date: 3/20
Well I.D.: MW4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 15.00	Depth to Water: 4.80
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	x	3	=	5.1 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1054	63.8	7.1	7200	2.0	
1058	64.0	7.0	2800	4.0	
1101	64.8	7.0	3000	5.5	

Did well dewater? Yes (No)		Gallons actually evacuated: 5.5	
Sampling Time: 1105		Sampling Date: 3/20	
Sample I.D.: MW4		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	