Chevron

April 3,1998

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

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

#541

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

Dear Mr. Chan:

Enclosed is the First Quarter Groundwater Monitoring Report for 1998 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 in the remaining three wells.

The TPH-g and BTEX constituents for monitoring well MW-1 were below the method detection limits, while the concentration of the benzene constituent decreased in well MW-3, but increased in well MW-4. The benzene concentration remained the same in well MW-2 as in the previous sampling event. Results from testing for TPH-d in well MW-2, indicated a chromatogram pattern of an unidentified hydrocarbon. ?

The depth to ground water varied from 1.83 feet to 3.35 feet below grade with a direction of flow southwesterly.

Encroachment permits have finally been received from the City of Oakland and our consultant Pacific Environmental can now proceed with the groundwater investigation on preferential pathways. It is expected that their report will be submitted in four to six weeks.

It appears that there has been minimal or no impact from VOC constituents, as the last three sampling events have been below method detection limits in well MW-2. **Therefore, Chevron requests that this analysis be deleted for future events.**

Chevron will continue to sample quarterly for the present and until the results of the groundwater investigation is completed. If you have any questions call me at (510) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY

Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

Cc. 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 2, 1998

Phil Briggs
Chevron U.S.A. Products Company
P. 0. Box 6004
San Ramon, CA 94583-0904

1st Quarter 1998 Monitoring at 9-1851

First Quarter 1998 Groundwater Monitoring at
Chevron Service Station Number 9-1851
451 Hegenberger Rd.
Oakland, CA

Monitoring Performed on February 19, 1998

Groundwater Sampling Report **980219-S-2**

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

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

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

map which is located in the **Professional Engineering Appendix.**

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

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

Please call if you have any questions.

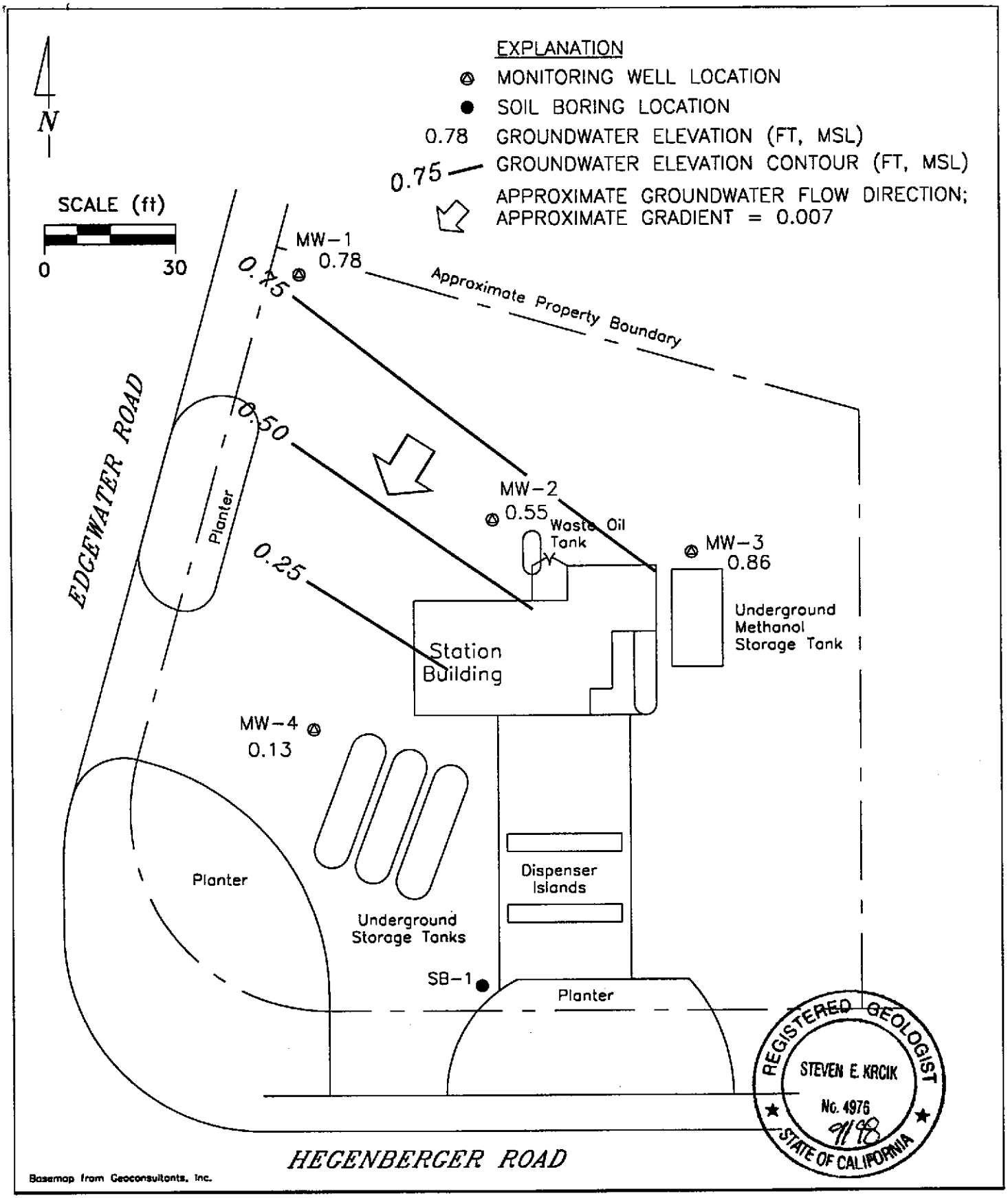
Yours truly,

Francis Thie
Vice President

FPT/ck

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

Professional Engineering Appendix



PREPARED BY RRM engineering contracting firm	**Chevron Station 9-1851** 451 Hegenberger Road Oakland, California **GROUNDWATER ELEVATION CONTOUR MAP, FEBRUARY 19, 1998**	FIGURE: 1 PROJECT: DAC04

Table of
Well Data and
Analytical Results

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	TOG	TPH-Diesel	Benzene by (EPA 8240)	Xylene by (EPA 8240)	C-1, 2-DCE	Carbon Disulfide	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
06/20/97	2.61	-1.72	4.33	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	64
09/09/97	2.61	-1.74	4.35	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	110
12/12/97	2.61	-0.39	3.00	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	27
02/19/98	2.61	0.78	1.83	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	14
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
06/20/97	3.51	-1.53	5.04	--	62	7.7	<0.5	<0.5	<0.5	--	1600**	7.2	<2.0	4.6	2.2	5.2	38
09/09/97	3.51	-1.47	4.98	--	190	9.4	<0.5	<0.5	0.86	--	82**	11	<2.0	<2.0	<2.0	<2.0	48
12/12/97	3.51	-0.40	3.91	--	180	1.8	<0.5	<0.5	3.2	--	8500**	<2.0	<2.0	<2.0	<2.0	<2.0	34
02/19/98	3.51	0.55	2.96	--	<100	1.8	<1.0	<1.0	<1.0	--	3800**	<3.3	<3.3	<3.3	<3.3	<3.3	230

* Results of EPA 8010 test indicates that the detection of 1,1-Dichloroethane is 1.7 ppb.
** Chromatagram 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	TOG	TPH-Diesel	Benzene (EPA 8240)	Xylene (EPA 8240)	1, 2-DCE	Carbon Disulfide	Vinyl Chloride	MTBE
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
06/20/97	3.08	-0.78	3.86	--	<500	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	1400
09/09/97	3.08	-1.11	4.19	--	76**	22	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	920
12/12/97	3.08	0.12	2.96	--	52	15	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	710
02/19/98	3.08	0.86	2.22	--	<50	6.6	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	380
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
06/20/97	3.48	-2.20	5.68	--	<2500	<25	<25	<25	<25	--	--	--	--	--	--	--	9300
09/09/97	3.48	-2.02	5.50	--	460**	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	6600
12/12/97	3.48	-1.55	5.03	--	430**	120	<2.5	<2.5	<2.5	--	--	--	--	--	--	--	7800
02/19/98	3.48	0.13	3.35	--	510**	130	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	6600

** Chromatagram pattern indicates an unidentified hydrocarbon. —— what is it? could it be MTBE?

*** 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	Carbon Disulfide	Vinyl Chloride	MTBE
TRIP BLANK																	
10/17/95																	
03/29/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
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	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<2.5
06/20/97	--	--	--	--	<50	<2.0	<2.0	<2.0	<2.0	--	--	--	--	--	--	--	--
09/09/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<2.5
12/12/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<2.5
02/19/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<2.5

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on 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, (650) 364-9600, FAX (650) 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 9-1851/980219-S2	Sampled: 02/19/98
1680 Rogers Avenue	Sample Descript: MW-1	Received: 02/20/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/28/98
Attention: Fran Thie	Lab Number: 9802E23-01	Reported: 03/05/98

QC Batch Number: GC022898BTEX06A
Instrument ID: GCHP6

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**	14
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	90

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 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 9-1851/980219-S2	Sampled: 02/19/98
1680 Rogers Avenue	Sample Descript: MW-2	Received: 02/20/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 03/03/98
Attention: Fran Thie	Lab Number: 9802E23-02	Reported: 03/05/98

QC Batch Number: GC030398BTEX21A
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	100	N.D.
Methyl t-Butyl Ether	**5.0**	**230**
Benzene	**1.0**	**1.8**
Toluene	1.0	N.D.
Ethyl Benzene	1.0	N.D.
Xylenes (Total)	1.0	N.D.
Chromatogram Pattern:		

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, (650) 364-9600, FAX (650) 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 9-1851/980219-S2	Sampled: 02/19/98
1680 Rogers Avenue	Sample Descript: MW-2	Received: 02/20/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: EPA 8240	Analyzed: 02/27/98
Attention: Fran Thie	Lab Number: 9802E23-02	Reported: 03/05/98

QC Batch Number: MS0227988240F3A
Instrument ID: F3

Volatile Organics (EPA 8240)

Analyte	Detection Limit ug/L	Sample Results ug/L
Acetone	17	N.D.
Benzene	3.3	N.D.
Bromodichloromethane	3.3	N.D.
Bromoform	3.3	N.D.
Bromomethane	3.3	N.D.
2-Butanone	17	N.D.
Carbon disulfide	3.3	N.D.
Carbon tetrachloride	3.3	N.D.
Chlorobenzene	3.3	N.D.
Chloroethane	3.3	N.D.
2-Chloroethyl vinyl ether	17	N.D.
Chloroform	3.3	N.D.
Chloromethane	3.3	N.D.
Dibromochloromethane	3.3	N.D.
1,1-Dichloroethane	3.3	N.D.
1,2-Dichloroethane	3.3	N.D.
1,1-Dichloroethene	3.3	N.D.
cis-1,2-Dichloroethene	3.3	N.D.
trans-1,2-Dichloroethene	3.3	N.D.
1,2-Dichloropropane	3.3	N.D.
cis-1,3-Dichloropropene	3.3	N.D.
trans-1,3-Dichloropropene	3.3	N.D.
Ethylbenzene	3.3	N.D.
2-Hexanone	17	N.D.
Methylene chloride	8.4	N.D.
4-Methyl-2-pentanone	17	N.D.
Styrene	3.3	N.D.
1,1,2,2-Tetrachloroethane	3.3	N.D.
Tetrachloroethene	3.3	N.D.
Toluene	3.3	N.D.
1,1,1-Trichloroethane	3.3	N.D.
1,1,2-Trichloroethane	3.3	N.D.
Trichloroethene	3.3	N.D.
Trichlorofluoromethane	3.3	N.D.
Vinyl acetate	8.4	N.D.
Vinyl chloride	3.3	N.D.
Total Xylenes	3.3	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	Client Proj. ID: Chevron 9-1851/980219-S2	Sampled: 02/19/98
1680 Rogers Avenue	Sample Descript: MW-2	Received: 02/20/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: EPA 8240	Analyzed: 02/27/98
Attention: Fran Thie	Lab Number: 9802E23-02	Reported: 03/05/98

QC Batch Number: MS0227988240F3A
Instrument ID: F3

Analyte	Detection Limit ug/L		Sample Results ug/L
Surrogates	**Control Limits %**		**% Recovery**
1,2-Dichloroethane-d4	76	114	106
Toluene-d8	88	110	98
4-Bromofluorobenzene	86	115	100

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 9-1851/980219-S2	Sampled: 02/19/98
1680 Rogers Avenue	Sample Descript: MW-2	Received: 02/20/98
San Jose, CA 95112	Matrix: LIQUID	Extracted: 02/25/98
	Analysis Method: EPA 8015 Mod	Analyzed: 02/27/98
Attention: Fran Thie	Lab Number: 9802E23-02	Reported: 03/05/98

QC Batch Number: GC0225980HBPEXZ
Instrument ID: GCHP4A

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	**200**	**3800**
Chromatogram Pattern:	**C9-C24**	**Unid.-HC**

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	276 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

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 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 9-1851/980219-S2	Sampled: 02/19/98
1680 Rogers Avenue	Sample Descript: MW-3	Received: 02/20/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 03/03/98
Attention: Fran Thie	Lab Number: 9802E23-03	Reported: 03/05/98

QC Batch Number: GC030398BTEX02A
Instrument ID: GCHP2

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	**5.0**	**380**
Benzene	**0.50**	**6.6**
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	80

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 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 9-1851/980219-S2	Sampled: 02/19/98
1680 Rogers Avenue	Sample Descript: MW-4	Received: 02/20/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 03/03/98
Attention: Fran Thie	Lab Number: 9802E23-04	Reported: 03/05/98

QC Batch Number: GC030398BTEX02A
Instrument ID: GCHP2

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**50**	**510**
Methyl t-Butyl Ether	**125**	**6600**
Benzene	**0.50**	**130**
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Unidentified HC		**C6-C8**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	80

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

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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 9-1851/980219-S2	Sampled: 02/19/98
1680 Rogers Avenue	Sample Descript: TB	Received: 02/20/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/28/98
Attention: Fran Thie	Lab Number: 9802E23-05	Reported: 03/05/98

QC Batch Number: GC022898BTEX06A
Instrument ID: GCHP06

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	100

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

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

Client Project ID: Chevron 9-1851 / 980219-S2
Matrix: Liquid
Work Order #: 9802E23 -01, 05

Reported: Mar 13, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC022898BTEX06A	GC022898BTEX06A	GC022898BTEX06A	GC022898BTEX06A	GC022898BTEX06A
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:	J. Minkel	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	9802D6005	9802D6005	9802D6005	9802D6005	9802D6005
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/28/98	2/28/98	2/28/98	2/28/98	2/28/98
Analyzed Date:	2/28/98	2/28/98	2/28/98	2/28/98	2/28/98
Instrument I.D.#:	GCHP6	GCHP6	GCHP6	GCHP6	GCHP6
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	11	11	11	33	53
MS % Recovery:	110	110	110	110	88
Dup. Result:	11	11	11	33	55
MSD % Recov.:	110	110	110	110	92
RPD:	0.0	0.0	0.0	0.0	3.7
RPD Limit:	0-25	0-25	0-25	0-25	0-25
LCS #:	BLK022898	BLK022898	BLK022898	BLK022898	BLK022898
Prepared Date:	2/28/98	2/28/98	2/28/98	2/28/98	2/28/98
Analyzed Date:	2/28/98	2/28/98	2/28/98	2/28/98	2/28/98
Instrument I.D.#:	GCHP6	GCHP6	GCHP6	GCHP6	GCHP6
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	11	11	11	34	56
LCS % Recov.:	110	110	110	113	93
MS/MSD Control Limits	60-140	60-140	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL

Reggy Penner
Project Manager

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

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

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

Client Project ID: Chevron 9-1851 / 980219-S2
Matrix: Liquid
Work Order #: 9802E23-02

Reported: Mar 13, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC030398BTEX21A	GC030398BTEX21A	GC030398BTEX21A	GC030398BTEX21A	GC030398BTEX21A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	C. DeMartini	C. DeMartini	C. DeMartini	C. DeMartini	C. DeMartini
MS/MSD #:	9802E2505	9802E2505	9802E2505	9802E2505	9802E2505
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	3/3/98	3/3/98	3/3/98	3/3/98	3/3/98
Analyzed Date:	3/3/98	3/3/98	3/3/98	3/3/98	3/3/98
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	11	10	10	29	53
MS % Recovery:	110	100	100	97	88
Dup. Result:	11	10	10	31	54
MSD % Recov.:	110	100	100	103	90
RPD:	0.0	0.0	0.0	6.7	1.9
RPD Limit:	0-25	0-25	0-25	0-25	0-25
LCS #:	BLK030398	BLK030398	BLK030398	BLK030398	BLK030398
Prepared Date:	3/3/98	3/3/98	3/3/98	3/3/98	3/3/98
Analyzed Date:	3/3/98	3/3/98	3/3/98	3/3/98	3/3/98
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	11	10	10	30	54
LCS % Recov.:	110	100	100	100	90
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

Reggy 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 / 980219-S2	
1680 Rogers Ave.	Matrix:	Liquid	
San Jose, CA 95112			
Attention: Fran Thie	Work Order #:	9802E23-03, 04	Reported: Mar 13, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC030398BTEX02A	GC030398BTEX02A	GC030398BTEX02A	GC030398BTEX02A	GC030398BTEX02A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	C. DeMartini	C. DeMartini	C. DeMartini	C. DeMartini	C. DeMartini
MS/MSD #:	9802E2505	9802E2505	9802E2505	9802E2505	9802E2505
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	3/3/98	3/3/98	3/3/98	3/3/98	3/3/98
Analyzed Date:	3/3/98	3/3/98	3/3/98	3/3/98	3/3/98
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:	9.5	9.1	9.1	27	66
MS % Recovery:	95	91	91	90	110
Dup. Result:	9.4	9.0	9.1	27	66
MSD % Recov.:	94	90	91	90	110
RPD:	1.1	1.1	0.0	0.0	0.0
RPD Limit:	0-25	0-25	0-25	0-25	0-25
LCS #:	BLK030398	BLK030398	BLK030398	BLK030398	BLK030398
Prepared Date:	3/3/98	3/3/98	3/3/98	3/3/98	3/3/98
Analyzed Date:	3/3/98	3/3/98	3/3/98	3/3/98	3/3/98
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	9.6	9.2	9.3	28	66
LCS % Recov.:	96	92	93	93	110
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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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 / 980219-S2	
1680 Rogers Ave.	Matrix:	Liquid	
San Jose, CA 95112			
Attention: Fran Thie	Work Order #:	9802E23-03, 04 - MTBE	Reported: Mar 13, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC030298BTEX03A	GC030298BTEX03A	GC030298BTEX03A	GC030298BTEX03A	GC030298BTEX03A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	C. DeMartini	C. DeMartini	C. DeMartini	C. DeMartini	C. DeMartini
MS/MSD #:	9802H7004	9802H7004	9802H7004	9802H7004	9802H7004
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	3/2/98	3/2/98	3/2/98	3/2/98	3/2/98
Analyzed Date:	3/2/98	3/2/98	3/2/98	3/2/98	3/2/98
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	9.7	9.6	9.8	30	64
MS % Recovery:	97	96	98	100	107
Dup. Result:	9.6	9.5	9.7	30	64
MSD % Recov.:	96	95	97	100	107
RPD:	1.0	1.0	1.0	0.0	0.0
RPD Limit:	0-25	0-25	0-25	0-25	0-25
LCS #:	BLK030298	BLK030298	BLK030298	BLK030298	BLK030298
Prepared Date:	3/2/98	3/2/98	3/2/98	3/2/98	3/2/98
Analyzed Date:	3/2/98	3/2/98	3/2/98	3/2/98	3/2/98
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	9.9	9.7	9.8	30	65
LCS % Recov.:	99	97	98	100	108
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

Reggy Penner
Project Manager

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Blaine Tech Services, Inc.	Client Project ID:	Chevron 9-1851 / 980219-S2	
1680 Rogers Ave.	Matrix:	Liquid	
San Jose, CA 95112			
Attention: Fran Thie	Work Order #:	9802E23-02	Reported: Mar 13, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Diesel
QC Batch#:	GC0225980HBPEXZ
Analy. Method:	EPA 8015M
Prep. Method:	EPA 3520

Analyst:	A. Porter
MS/MSD #:	9802D3301
Sample Conc.:	210
Prepared Date:	2/25/98
Analyzed Date:	2/26/98
Instrument I.D.#:	GCHP5
Conc. Spiked:	1000 µg/L
Result:	980
MS % Recovery:	77
Dup. Result:	980
MSD % Recov.:	77
RPD:	0.0
RPD Limit:	0-50

LCS #:	BLK022598Zs
Prepared Date:	2/25/98
Analyzed Date:	2/26/98
Instrument I.D.#:	GCHP5
Conc. Spiked:	1000 µg/L
LCS Result:	750
LCS % Recov.:	75

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

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

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Blaine Tech Services, Inc.	Client Project ID:	Chevron 9-1851 / 980219-S2	
1680 Rogers Ave.	Matrix:	Liquid	
San Jose, CA 95112			
Attention: Fran Thie	Work Order #:	9802E23-02	Reported: Mar 13, 1998

QUALITY CONTROL DATA REPORT

Analyte:	1,1-Dichloroethene	Trichloroethene	Benzene	Toluene	Chloro-benzene
QC Batch#:	MS0227988240F3A	MS0227988240F3A	MS0227988240F3A	MS0227988240F3A	MS0227988240F3A
Analy. Method:	EPA 8240	EPA 8240	EPA 8240	EPA 8240	EPA 8240
Prep. Method:	N.A.	N.A.	N.A.	N.A.	N.A.
Analyst:	E. Manuel	E. Manuel	E. Manuel	E. Manuel	E. Manuel
MS/MSD #:	9802C7002	9802C7002	9802C7002	9802C7002	9802C7002
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/27/98	2/27/98	2/27/98	2/27/98	2/27/98
Analyzed Date:	2/27/98	2/27/98	2/27/98	2/27/98	2/27/98
Instrument I.D.#:	F3	F3	F3	F3	F3
Conc. Spiked:	50 µg/L	50 µg/L	50 µg/L	50 µg/L	50 µg/L
Result:	44	46	46	47	44
MS % Recovery:	88	92	92	94	88
Dup. Result:	49	50	50	51	48
MSD % Recov.:	98	100	100	102	96
RPD:	11	8.3	8.3	8.2	8.7
RPD Limit:	0-25	0-25	0-25	0-25	0-25
LCS #:	LCS022798	LCS022798	LCS022798	LCS022798	LCS022798
Prepared Date:	2/27/98	2/27/98	2/27/98	2/27/98	2/27/98
Analyzed Date:	2/27/98	2/27/98	2/27/98	2/27/98	2/27/98
Instrument I.D.#:	F3	F3	F3	F3	F3
Conc. Spiked:	50 µg/L	50 µg/L	50 µg/L	50 µg/L	50 µg/L
LCS Result:	44	43	46	46	44
LCS % Recov.:	88	86	92	92	88
MS/MSD Control Limits	60-140	60-140	60-140	60-140	60-140
LCS Control Limits	65-135	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

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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: 980219-S2
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: 9034738
Samples Collected by (Name): DOUG SANDERS
Collection Date: 2-19-98
Signature:

9802E23

Analyses To Be Performed

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)	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)	8240					DO NOT BILL FOR TB-LB / Remarks
MW-1	01	3	W	D	1410	HCl	Yes	X													
MW-2	02	8	W	D	1400	HCl/None		X	X							X					
MW-3	03	3	W	D	1420	HCl		X													
MW-4	04	3	W	D	1440	HCl		X													
TB	05	2	W	D	—	HCl	↓	X													

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BTS	2/20/98 12:00		SEQ.	2/20/98 1200
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	SEQ	2/20/98			
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
					2/20/98 14:34

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

Field
Data
Sheets

WELL GAUGING DATA

Project # 980219-SZ Date 2-19-98 Client Chev. 9-1851

Site 451 Hegenberger Rd, Oakland, CA.

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-1	2					1.83	14.62	TOC	
MW-2	2					2.96	14.79		
MW-3	2					2.22	14.70		
MW-4	2					3.35	14.95		

CHEVRON WELL MONITORING DATA SHEET

Project #: 980219-52	Station #: 9-1851
Sampler: DOUG & STEVE	Date: 2-19-98
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 14.62	Depth to Water: 1.83
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	radius^2 * 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	x	3	=	6.0 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1359	57.4	7.4	1370	2.0	
1402	57.8	7.3	1350	4.0	
1405	58.0	7.2	1350	6.0	

Did well dewater? Yes (No)		Gallons actually evacuated: 6.0	
Sampling Time: 1410		Sampling Date: 2-19-98	
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 #: 980219-SZ	Station #: 9-1351
Sampler: DOUG + STEVE	Date: 2-19-98
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 14.79	Depth to Water: 2.96
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

1 Case Volume (Gals.)		Specified Volumes		Calculated Volume
1.9	X	3	=	5.7 Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1351	59.1	7.0	6220	2.0	* Odor + Sheen
1353	59.6	7.0	6200	4.0	
1356	59.9	6.9	6180	6.0	

Did well dewater? Yes (No)		Gallons actually evacuated: 6.0	
Sampling Time: 1400		Sampling Date: 2-19-98	
Sample I.D.: MW-2		Laboratory: (Sequoia) GTEL N. Creek Assoc. Labs	
Analyzed for: (TPH-G) (BTEX) (MTBE) (TPH-D) (Other:) 8240			
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 #: 980219-SZ	Station #: 9-1851
Sampler: DOUG + STEVE	Date: 2-19-98
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 14.70	Depth to Water: 2.27
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
1411	58.3	6.6	4540	2.0	
1414	58.7	6.6	4530	4.0	
1417	59.0	6.5	4530	6.0	

Did well dewater? Yes (No)		Gallons actually evacuated: 6.0	
Sampling Time: 1420		Sampling Date: 2-19-98	
Sample I.D.: MW-3		Laboratory: (Sequoia) GTEL N. Creek Assoc. Labs	
Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D		Other:	
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D	Other:	
D.O. (if req'd):	Pre-purge: ____ mg/L	Post-purge: ____ mg/L	
O.R.P. (if req'd):	Pre-purge: ____ mV	Post-purge: ____ mV	

CHEVRON WELL MONITORING DATA SHEET

Project #: 980219-SZ	Station #: 9-1851
Sampler: DOUG + STEVE	Date: 2-19-98
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 14.95	Depth to Water: 3.35
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	radius^2 * 0.163

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

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

1.9	x	3	=	5.6 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1432	59.3	6.7	3740	2.0	
1434	59.7	6.8	3740	4.0	
1436	58.8	6.7	3720	6.0	

Did well dewater? Yes (No) Gallons actually evacuated: 6.0

Sampling Time: 1440 Sampling Date: 2/19/98

Sample I.D.: MW-4 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