Chevron

February 25, 1999

Chevron Products Company
6001 Bollinger Canyon Road
Building L, Room 1110
PO Box 6004
San Ramon, CA 94583-0904

Philip R. Briggs
Project Manager
Site Assessment & Remediation
Phone 925 842-9136
Fax 925 842-8370

Ms. Eva Chu
Alameda County Health Care Services
Division of Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Chevron Service Station #9-4800
1700 Castro Street
Oakland, California

Dear Ms. Chu:

Enclosed is the Fourth Quarter Groundwater Monitoring and Sampling Report for 1998 that was prepared by our consultant Blaine Tech Services Inc. for the above noted facility. This is a change in consultants (Gettler-Ryan Inc.) from the previous sampling event. The groundwater samples were analyzed for the presence of TPH-g, TPH-d, BTEX and MtBE. All wells are sampled quarterly.

Monitoring wells MW-1 and MW-2 showed a decrease in the benzene constituent while well MW-3 showed an increase from the previous sampling event. The TPH-d constituent detected in wells MW1, MW-2 and MW-3 indicated the presence of an unidentified hydrocarbon. To confirm the presence of MtBE, EPA Method 8260 was used to analyze for MtBE only in monitoring well MW-2, since this well has the highest concentration of the three wells onsite. MtBE was confirmed by this method.

Depth to ground water varied from 24.69 feet to 25.91 feet below grade with a direction of flow westerly.

A Work Plan and Work Plan Addendum was recently submitted for the installation of additional groundwater monitoring wells to further delineate the lateral extent of MtBE in the groundwater beneath the site. Chevron is awaiting your concurrence to the submitted Work Plan and Work Plan Addendum.

If you have any questions to the submitted Work Plan/Addendum or this report, call me at (925) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY

Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

Cc. Mr. Bill Scudder, Chevron

BLAINE
TECH SERVICES INC

1680 ROGERS AVENUE
SAN JOSE, CA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE

February 23, 1999

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

4th Quarter 1998 Monitoring at 9-4800

Fourth Quarter 1998 Groundwater Monitoring at
Chevron Service Station Number 9-4800
1700 Castro St.
Oakland, CA

Monitoring Performed on December 9, 1998

Groundwater Sampling Report **981209-Y-3**

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,

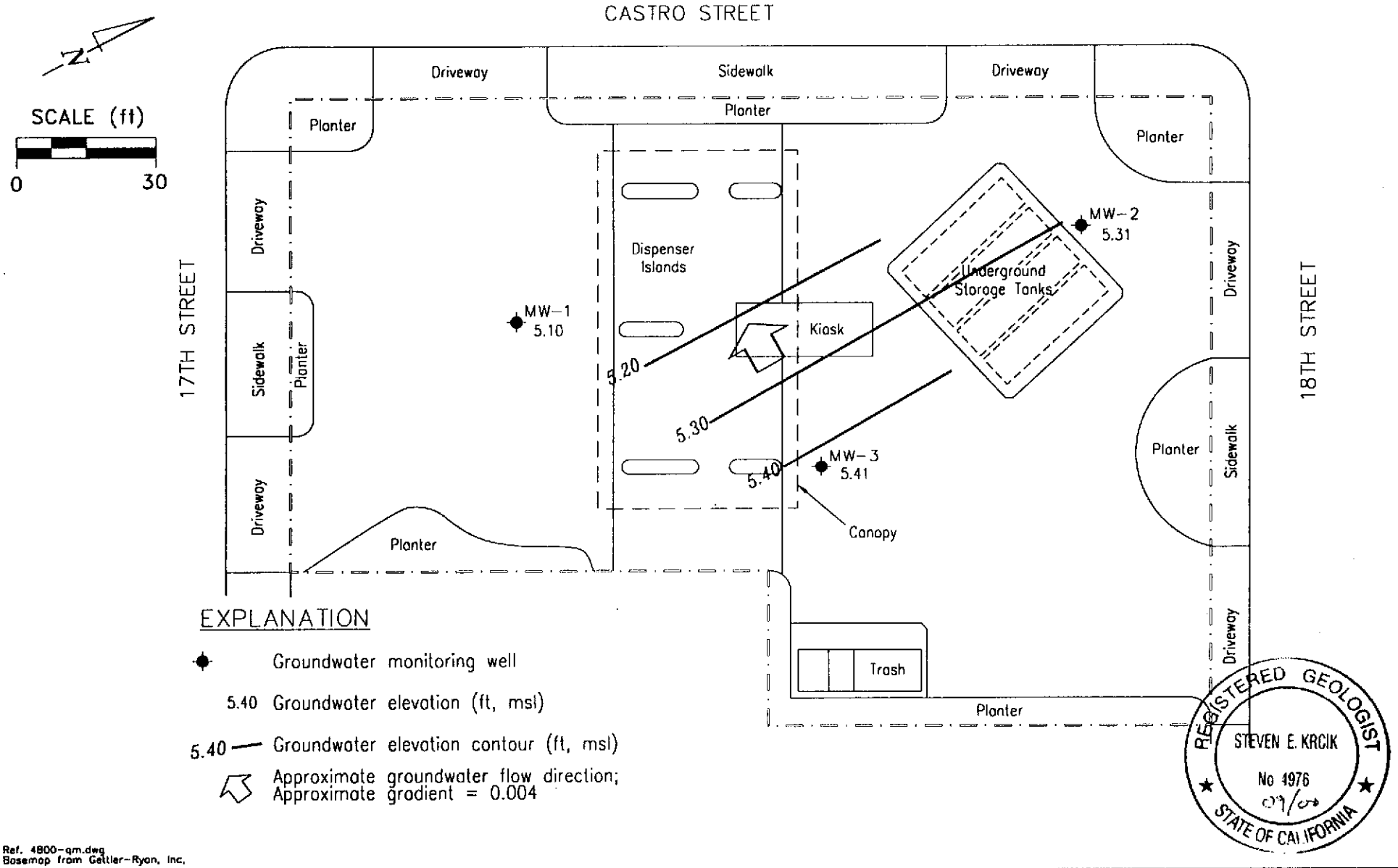
Christine Lillie

Christine Lillie
Project Coordinator

FPT/sb

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

Professional Engineering Appendix



Ref. 4800-qm.dwg
Basemap from Gettler-Ryan, Inc.

PREPARED BY

RRM
engineering contracting firm

Chevron Station 9-4800
1700 Castro Street
Oakland, California

GROUNDWATER ELEVATION CONTOUR MAP, DECEMBER 9, 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	MTBE	TPH-Diesel
MW-1											
06/04/97	30.75	4.39	25.82	--	890	100	110	29	150	<10	71*
09/16/97	30.75	4.85	25.90	--	1600	210	210	60	250	<10	75*
12/17/97	30.75	4.88	25.87	--	940	120	100	41	160	<25	65*
03/18/98	30.75	5.90	24.85	--	530	91	39	22	65	6.8	77*
06/28/98	30.75	5.92	24.83	--	1100	220	140	37	120	14	140*
09/07/98	30.75	5.56	25.19	--	1700	530	86	84	240	49	280*
12/09/98	30.75	5.10	25.65	--	1700	240	130	100	270	32	240*
MW-2											
06/04/97	30.00	5.13	24.87	--	13,000	790	30	420	1700	4000	4000*
09/16/97	30.00	5.06	24.94	--	4000	360	9.7	210	460	1500	2200*
12/17/97	30.00	5.18	24.82	--	4100	380	<10	200	460	2100	2100*
03/18/98	30.00	6.43	23.57	--	8400	1800	<50	350	630	13,000	3700*
06/28/98	30.00	6.21	23.79	EPA 8260	9300	740	340	710	2300	3800	4400*
09/07/98	30.00	5.78	24.22	--	9900	1000	150	640	1800	4500	3100*
09/07/98	30.00	5.78	24.22	Confirmation run	--	--	--	--	--	4100	--
12/09/98	30.00	5.31	24.69	--	8500	860	74	610	960	2600	1900*
12/09/98	30.00	5.31	24.69	Confirmation run	--	--	--	--	--	2600	--
MW-3											
06/04/97	31.32	5.27	26.05	--	190	26	20	1.5	16	8.2	<50
09/16/97	31.32	5.17	26.15	--	270	58	53	6.1	30	21	<50
12/17/97	31.32	5.22	26.10	--	290	50	54	8.1	37	21	<50
03/18/98	31.32	6.42	24.90	--	390	140	33	4.6	30	94	<50
06/28/98	31.32	6.39	24.93	--	290	90	11	1.6	13	150	<50
09/07/98	31.32	5.97	25.35	--	170	46	20	4.3	19	120	<50
12/09/98	31.32	5.41	25.91	--	660	120	93	22	72	150	55*

* Chromatogram pattern indicates an unidentified hydrocarbon.

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	TPH-Diesel
TRIP BLANK											
06/04/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/16/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/17/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/18/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/28/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/07/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/09/98	--	--	--	--	<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 December 9, 1998. Earlier field data and analytical results are drawn from the September 7, 1998, 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.
MTBE = Methyl-tert-butyl ether

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, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Chevron 9-4800/981209-Y3	Sampled: 12/09/98
1680 Rogers Avenue	Sample Descript: MW-1	Received: 12/10/98
San Jose, CA 95112	Matrix: LIQUID	Extracted: 12/17/98
	Analysis Method: EPA 8015 Mod	Analyzed: 12/18/98
Attention: Christine Lillie	Lab Number: 9812826-01	Reported: 12/29/98

QC Batch Number: GC1217980HBPEXD
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	**50**	**240**
Chromatogram Pattern:	**C9-C24**	**Unid.-HC**

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	95

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Chevron 9-4800/981209-Y3	Sampled: 12/09/98
1680 Rogers Avenue	Sample Descript: MW-1	Received: 12/10/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 12/16/98
Attention: Christine Lillie	Lab Number: 9812826-01	Reported: 12/29/98

QC Batch Number: GC121698802009A
Instrument ID: HP9

Total Purgeable Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	500	1700
Methyl t-Butyl Ether	25	32
Benzene	5.0	240
Toluene	5.0	130
Ethyl Benzene	5.0	100
Xylenes (Total)	5.0	270
Chromatogram Pattern:		GAS

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	94

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

SEQUOIA ANALYTICAL - ELAP #1271

Mike Gregory
Project Manager

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Blaine Tech Services	Client Proj. ID: Chevron 9-4800/981209-Y3	Sampled: 12/09/98
1680 Rogers Avenue	Sample Descript: MW-2	Received: 12/10/98
San Jose, CA 95112	Matrix: LIQUID	Extracted: 12/17/98
	Analysis Method: EPA 8015 Mod	Analyzed: 12/18/98
Attention: Christine Lillie	Lab Number: 9812826-02	Reported: 12/29/98

QC Batch Number: GC1217980HBPEXD
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	**50**	**1900**
Chromatogram Pattern:	**C9-C24**	**Unid.-HC**

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	94

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

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Blaine Tech Services	Client Proj. ID: Chevron 9-4800/981209-Y3	Sampled: 12/09/98
1680 Rogers Avenue	Sample Descript: MW-2	Received: 12/10/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 12/16/98
Attention: Christine Lillie	Lab Number: 9812826-02	Reported: 12/29/98

QC Batch Number: GC121698802009A
Instrument ID: HP9

Total Purgeable Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**5000**	**8500**
Methyl t-Butyl Ether	**250**	**2600**
Benzene	**50**	**860**
Toluene	**50**	**74**
Ethyl Benzene	**50**	**610**
Xylenes (Total)	**50**	**960**
Chromatogram Pattern:		**GAS**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	95

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

SEQUOIA ANALYTICAL - ELAP #1271

Mike Gregory
Project Manager

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Chevron 9-4800/981209-Y3	Sampled: 12/09/98
1680 Rogers Avenue	Sample Descript: MW-2	Received: 12/10/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: EPA 8260	Analyzed: 12/17/98
Attention: Christine Lillie	Lab Number: 9812826-02	Reported: 12/29/98

QC Batch Number: MS1216988260S2A
Instrument ID: MS-2

Methyl t-Butyl Ether (MTBE)

Analyte	Detection Limit ug/L	Sample Results ug/L
Methyl t-Butyl Ether	2.0	2600

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

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

SEQUOIA ANALYTICAL - ELAP #1271

Mike Gregory
Project Manager

Sequoia Analytical

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Blaine Tech Services	Client Proj. ID: Chevron 9-4800/981209-Y3	Sampled: 12/09/98
1680 Rogers Avenue	Sample Descript: MW-3	Received: 12/10/98
San Jose, CA 95112	Matrix: LIQUID	Extracted: 12/17/98
	Analysis Method: EPA 8015 Mod	Analyzed: 12/18/98
Attention: Christine Lillie	Lab Number: 9812826-03	Reported: 12/29/98

QC Batch Number: GC1217980HBPEXD
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	55
Chromatogram Pattern:	C9-C24	Unid.-HC

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	83

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Chevron 9-4800/981209-Y3	Sampled: 12/09/98
1680 Rogers Avenue	Sample Descript: MW-3	Received: 12/10/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 12/16/98
Attention: Christine Lillie	Lab Number: 9812826-03	Reported: 12/29/98

QC Batch Number: GC121698802009A
Instrument ID: HP9

Total Purgeable Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	660
Methyl t-Butyl Ether	2.5	150
Benzene	0.50	120
Toluene	0.50	93
Ethyl Benzene	0.50	22
Xylenes (Total)	0.50	72
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 #1271

Mike Gregory
Project Manager

Sequoia Analytical

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Blaine Tech Services	Client Proj. ID: Chevron 9-4800/981209-Y3	Sampled: 12/09/98
1680 Rogers Avenue	Sample Descript: TB	Received: 12/10/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 12/16/98
Attention: Christine Lillie	Lab Number: 9812826-04	Reported: 12/29/98

QC Batch Number: GC121698802009A
Instrument ID: HP9

Total Purgeable 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	94

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

SEQUOIA ANALYTICAL - ELAP #1271

Mike Gregory
Project Manager

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112
Attention: Christine Lillie

Client Proj. ID: Chevron 9-4800/981209-Y3

Lab Proj. ID: 9812826

Received: 12/10/98

Reported: 12/29/98

LABORATORY NARRATIVE

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

MTBE(8260):
The surrogate used for sample #2 was Dibromofluoromethane, which had a recovery of 100% with control limits 50-150.

TPH-GAS/BTEX:
Sample 9812826-01 was diluted 10-fold.
Sample 9812826-02 was diluted 100-fold.

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

Sequoia Analytical

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112
Attention: Christine Lillie

Client Project ID: Chevron 9-4800/981209-Y3

QC Sample Group: 9812826-01-03

Reported: Dec 29, 1998

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015A
Analyst:	A. PORTER
ANALYTE	Diesel

QC Batch #: GC1217980HBPEXD

Sample No.:	9812920-04
Date Prepared:	12/15/98
Date Analyzed:	12/16/98
Instrument I.D.#:	GCHP5A
Sample Conc., ug/L:	N.D.
Conc. Spiked, ug/L:	1000
Matrix Spike, ug/L:	780
% Recovery:	78
Matrix Spike Duplicate, ug/L:	770
% Recovery:	77
Relative % Difference:	1.3
RPD Control Limits:	0-50

LCS Batch#: BLK121798DS

Date Prepared:	12/17/98
Date Analyzed:	12/18/98
Instrument I.D.#:	GCHP5A
Conc. Spiked, ug/L:	1000
Recovery, ug/L:	860
LCS % Recovery:	86

Percent Recovery Control Limits:

MS/MSD	50-150
LCS	60-140

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Mike Gregory
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.

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Blaine Tech Services, Inc.
1680 Rogers Ave.
San Jose, CA 95112
Attention: Christine Lillie

Client Project ID: Chevron 9-4800/981209-Y3
Matrix: Liquid
Work Order #: 9812826 -01-04
Reported: Dec 29, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX as TPH
QC Batch#:	GC121698802009A	GC121698802009A	GC121698802009A	GC121698802009A	GC121698802009A
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. Westwater	C. Westwater	C. Westwater	C. Westwater	C. Westwater
MS/MSD #:	8120658	8120658	8120658	8120658	8120658
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	12/16/98	12/16/98	12/16/98	12/16/98	12/16/98
Analyzed Date:	12/16/98	12/16/98	12/16/98	12/16/98	12/16/98
Instrument I.D.#:	HP9	HP9	HP9	HP9	HP9
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	330 µg/L
Result:	20	21	22	68	320
MS % Recovery:	100	105	110	113	97
Dup. Result:	19	20	21	66	320
MSD % Recov.:	95	100	105	110	97
RPD:	5.1	4.9	4.7	3.0	0.0
RPD Limit:	0-20	0-20	0-20	0-20	0-50

LCS #:	LCS121698	LCS121698	LCS121698	LCS121698	LCS121698
Prepared Date:	12/16/98	12/16/98	12/16/98	12/16/98	12/16/98
Analyzed Date:	12/16/98	12/16/98	12/16/98	12/16/98	12/16/98
Instrument I.D.#:	HP9	HP9	HP9	HP9	HP9
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	330 µg/L
LCS Result:	20	22	23	70	320
LCS % Recov.:	100	110	115	117	97

MS/MSD	60-140	60-140	60-140	60-140	
LCS	70-130	70-130	70-130	70-130	50-150
Control Limits					

SEQUOIA ANALYTICAL
Elap #1271

Mike Gregory
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, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services, Inc.	Client Project ID:	Chevron 9-4800/981209-Y3	
1680 Rogers Ave.	Matrix:	Liquid	
San Jose, CA 95112			
Attention: Christine Lillie	Work Order #:	9812826-02	Reported: Dec 29, 1998

QUALITY CONTROL DATA REPORT

Analyte:	MTBE
QC Batch#:	MS1216988260S2A
Analy. Method:	EPA 8260
Prep. Method:	EPA 5030
Analyst:	N. Nelson
MS/MSD #:	8120988
Sample Conc.:	N.D.
Prepared Date:	12/16/98
Analyzed Date:	12/16/98
Instrument I.D.#:	GCMS2
Conc. Spiked:	50 µg/L
Result:	69
MS % Recovery:	138
Dup. Result:	65
MSD % Recov.:	130
RPD:	6.0
RPD Limit:	0-25

LCS #:	LCS121698
Prepared Date:	12/16/98
Analyzed Date:	12/16/98
Instrument I.D.#:	GCMS2
Conc. Spiked:	50 µg/L
LCS Result:	61
LCS % Recov.:	122

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

SEQUOIA ANALYTICAL
Elap #1271

Mike Gregory
Project Manager

Please Note:
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** 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 Products Co.
P.O. BOX 6004
San Ramon, CA 94583
FAX (925)842-8370

Chevron Facility Number 9-4800
Facility Address 1700 Castro St., Oakland
Consultant Project Number 98209 X3
Consultant Name BLAINE TECH SERVICE, INC.
Address 1680 ROGERS AVE., SAN JOSE
Project Contact (Name) CHRISTINE LILLIE
(Phone) 408-573-0555 (Fax Number) 408-573-7771

Chevron Contact (Name) PHIL BRIGGS
(Phone) (925) 842-9136
Laboratory Name SEQUOIA
Laboratory Service Order 9144488
Laboratory Service Code ZZ02800
Samples Collected by (Name) B. TAYLOR
Signature

98128 26

State Method: ☐ CA ☐ OR ☐ WA ☐ NW Series ☐ CO ☐ UT

Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Sample Preservation	Date/Time	BTEX/MTBE+TPH GAS (8020 + 8015)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oxygenates (8260)	Purgeable Halocarbons (8010)	Purgeable Organics (8260)	Extractable Organics (8270)	Oil and Grease (5520)	Metals (ICAP or AA) Cd,Cr,Pb,Zn,Ni	BTEX (8020)	BTEX/MTBE/Naph. (8020)	TPH - HCID	TPH-D Extended	CONFIRM MTBE ADV 8260					Remarks / Lab Sample No.
MW1	5	01	HCl	13/9 1336	X		X																
MW2	5	02		1390	X		X											X					
MW3	5	03		13:22	X		X																
TB	3	04			X																		

5 10 12 04

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N
	BTS	10:12.98 10:20		SEQUOIA	10.12.98 10:20	
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N
	SEQUOIA	10:12.98				
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	Iced Y/N

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

Field
Data
Sheets

WELL GAUGING DATA

Project # 98120943 Date 12/9/98 Client CHEV

Site 17000 CASTRO ST 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	
MW1	2					25.65	30.15	TOC	
MW2	2					24.69	30.32		
MW3	2					25.91	29.92		

CHEVRON WELL MONITORING DATA SHEET

Project #: 981209 Y3	Station #: 9-4800
Sampler: K. TAYLOR	Date: 12/9/98
Well I.D.: MW 1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 50.15	Depth to Water: 25.65
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); Middleburg; Electric Submersible; Extraction Pump; Other: ___

Sampling Method: Bailer; (Disposable Bailer); Extraction Port; Other: ___

1 Case Volume (Gals.)	X	Specified Volumes	=	Calculated Volume
.75	X	3	=	2.5 Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1331	62.9	6.9	1378	1	
1333	68.2	6.9	1321	2	
1339	68.7	6.8	1259	3	

Did well dewater? Yes (No)		Gallons actually evacuated: 3	
Sampling Time: 1338		Sampling Date: 12/9/98	
Sample I.D.: MW1		Laboratory: (Sequoia) CORE 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 #: 980209 Y3	Station #: 9-4800
Sampler: B. TAYLOR	Date: 12/5/14
Well I.D.: MW2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 30.32	Depth to Water: 24.68
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	radius^2 * 0.163

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

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

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

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1343	60.3	7.2	1021	1	
1345	62.1	7.0	842	2	
1346	64.1	6.9	841	3	

Did well dewater? Yes (No)		Gallons actually evacuated: 3	
Sampling Time: 1350		Sampling Date: 12/5/14	
Sample I.D.: MW2		Laboratory: (Sequoia) CORE 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 #: 981209 Y3	Station #: 9-4800
Sampler: B. TAYLOR	Date: 12/9/98
Well I.D.: MW3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 29.92	Depth to Water: 25.91
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) / Middleburg / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ___

1 Case Volume (Gals.)	X	Specified Volumes	=	Calculated Volume
.6	X	3	=	1.8 Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1317	66.1	7.0	811	.5	
1318	68.4	6.9	849	1	
1319	69.8	6.9	752	2	

Did well dewater? Yes (No)		Gallons actually evacuated: 2	
Sampling Time: 1322		Sampling Date: 12/9/98	
Sample I.D.: MW3		Laboratory: (Sequoia) CORE 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