

ENVIRONMENT
PROTECTION



Chevron

58 JUL -1 PM 3:26

June 30, 1998

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

Chevron Products Company
6001 Bollinger Canyon Road
Building L
San Ramon, CA 94583
P.O. Box 6004
San Ramon, CA 94583-0904

Marketing - Sales West
Phone 510 842-9500

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

Dear Mr. Seto:

Enclosed is a copy of the Second Quarter Groundwater Monitoring report for 1998 that was prepared by our consultant Blaine Tech Services, Inc. for the above noted facility. Groundwater samples were analyzed for TPH-g, BTEX and MtBE constituents. Monitoring wells MW-2 and MW-7 are sampled annually (1st quarter) with wells MW-4 and MW-5 sampled semi-annually (1st & 3rd quarters). Wells MW-1, MW-3 and MW-6 are sampled quarterly.

The concentration of benzene continues to decline in monitoring well MW-3 along with a corresponding decline in the concentration of MtBE. The benzene concentration is now 11 ppb with MtBE below method detection limits. The concentration of benzene increased in wells MW-1 and MW-6 from the previous sampling event.

The depth to ground water varied from 6.00 feet to 6.93 feet below grade with a direction of flow southwesterly.

If you have any questions please call me at (510) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY

Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

June 30, 1998
Mr. Larry Seto
Former Signal Service Station #S0800
Page 2

cc: Ms. Bette Owen, Chevron

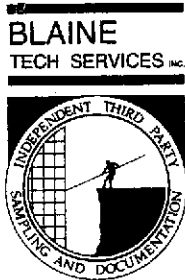
Ms. Ann Payne, Chevron, V-1156

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

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

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

Mr. Ross Tinline
Pacific Environmental Group, Inc.
2025 Gateway Place, Suite 440
San Jose, CA 95110 (Less Analytical Appendix)



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

June 18, 1998

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

2nd Quarter 1998 Monitoring at 206145 (S-800)

Second Quarter 1998 Groundwater Monitoring at
Former Chevron Service Station Number 206145
800 Center St.
Oakland, CA

Monitoring Performed on May 11, 1998

Groundwater Sampling Report 980511-D-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.

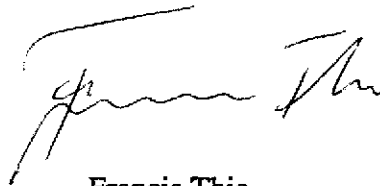
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**. The table also contains new groundwater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

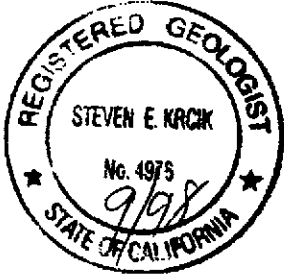
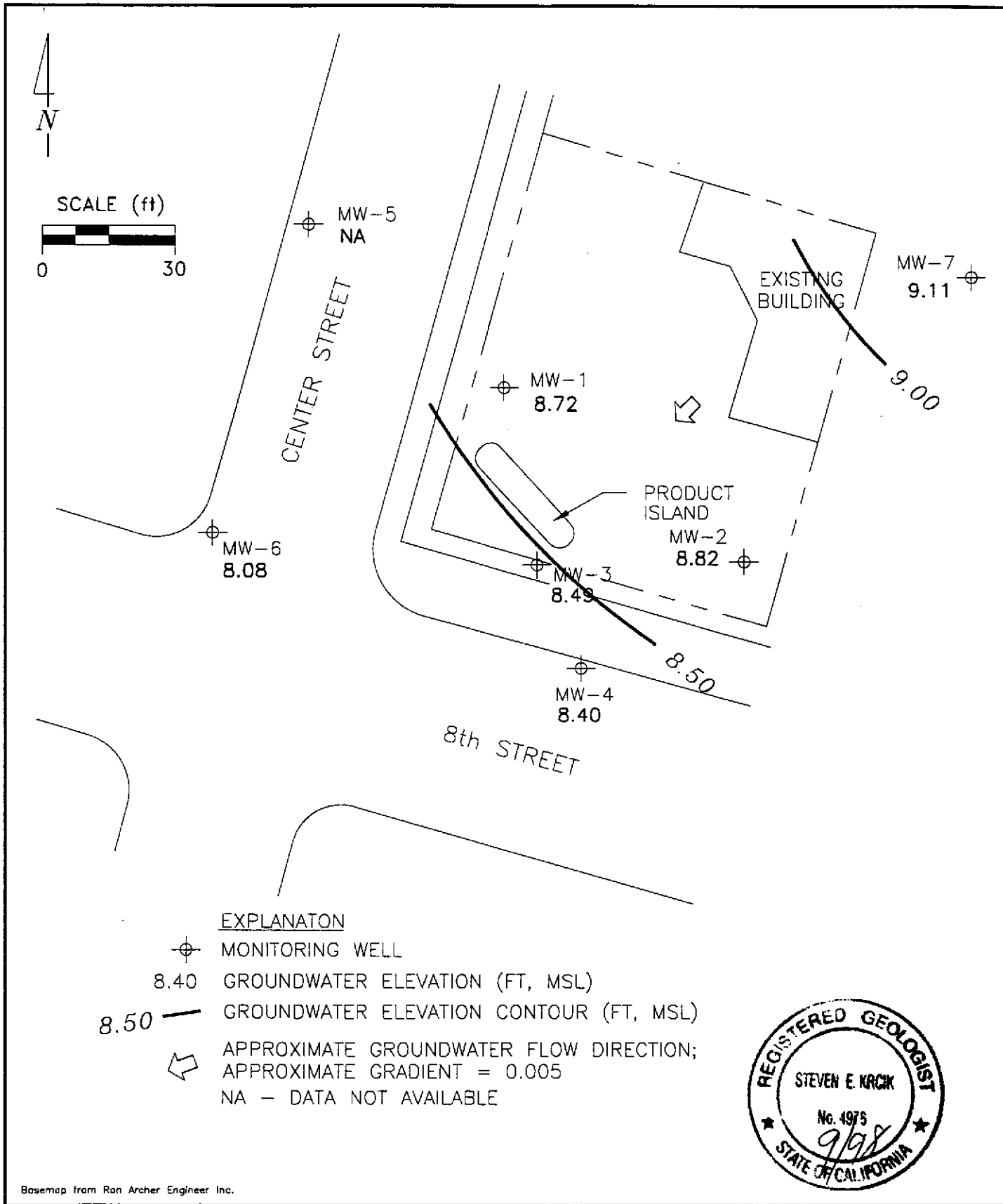
A handwritten signature in black ink, appearing to read 'Francis Thie', written over a horizontal line.

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



Base map from Ron Archer Engineer Inc.

PREPARED BY engineering contracting firm	Former Signal Service Station 206145 800 Center Street Oakland, California	FIGURE: 1
	GROUNDWATER ELEVATION CONTOUR MAP, MAY 11, 1998	PROJECT: DAC04

**Table of
Well Data and
Analytical Results**

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE
MW-1										
10/27/95	15.69	10.54	5.15	--	170,000	19,000	34,000	4800	26,000	--
02/20/97	15.64	8.96	6.68	--	18,000	870	3500	470	2100	<250
04/24/97	15.64	7.30	8.34	--	76,000	4600	16,000	1600	8300	1000
07/23/97	15.64	5.90	9.74	--	37,000	2700	8000	870	6100	<250
10/29/97	15.64	--	--	Inaccessible	--	--	--	--	--	--
01/28/98	15.64	9.30	6.34	--	10,000	380	2000	300	1500	<25
05/11/98	15.64	8.72	6.92	--	17,000	880	3100	380	2300	<250
MW-2										
10/27/95	15.77	10.60	5.17	--	<50	<0.5	<0.5	<0.5	<0.5	--
02/20/97	15.72	8.51	7.21	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/24/97	15.72	7.82	7.90	--	83*	<0.5	<0.5	<0.5	<0.5	<2.5
07/23/97	15.72	5.92	9.80	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/29/97	15.72	5.13	10.59	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
01/28/98	15.72	9.21	6.51	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/11/98	15.72	8.82	6.90	Sampled annually	--	--	--	--	--	--
MW-3										
10/27/95	15.46	10.37	5.09	--	33,000	11,000	1700	2300	4200	--
02/20/97	15.42	8.37	7.05	--	260	56	<1.0	7.6	5.9	<5.0
04/24/97	15.42	7.29	8.13	--	1400	310	28	76	75	74
07/23/97	15.42	5.84	9.58	--	37,000	10,000	1500	2700	4200	2500
10/29/97	15.42	5.09	10.33	--	53,000	12,000	1200	3000	3100	2500
01/28/98	15.42	8.94	6.48	--	210	43	1.5	1.7	3.9	10
05/11/98	15.42	8.49	6.93	--	59	11	<0.5	2.1	<0.5	<2.5

* 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
MW-4										
10/27/95	14.45	9.37	5.08	--	66	6.8	<0.5	<0.5	<0.5	--
02/20/97	14.40	8.12	6.28	--	54	<0.5	<0.5	<0.5	7.4	39
04/24/97	14.40	7.29	7.11	--	54	1.4	<0.5	0.65	3.0	100
07/23/97	14.40	5.80	8.60	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/29/97	14.40	5.74	8.66	Inaccessible	--	--	--	--	--	--
11/13/97	14.40	4.97	9.43	--	<50	<0.5	0.79	<0.5	<0.5	<2.5
01/28/98	14.40	8.88	5.52	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/11/98	14.40	8.40	6.00	Sampled biannually	--	--	--	--	--	--
MW-5										
01/03/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
02/20/97	15.03	--	--	Inaccessible	--	--	--	--	--	--
04/24/97	15.03	--	--	Inaccessible	--	--	--	--	--	--
04/30/97	15.03	7.06	7.97	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
07/23/97	15.03	--	--	Inaccessible	--	--	--	--	--	--
10/29/97	15.03	--	--	Inaccessible	--	--	--	--	--	--
01/28/98	15.03	8.83	6.20	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/11/98	15.03	--	--	Inaccessible	--	--	--	--	--	--
MW-6										
01/03/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
02/20/97	14.73	8.11	6.62	--	800	310	23	11	28	<12
04/24/97	14.73	7.13	7.60	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
07/23/97	14.73	5.73	9.00	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/29/97	14.73	4.98	9.75	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
01/28/98	14.73	8.19	6.54	--	160	38	<0.5	<0.5	<0.5	<2.5
05/11/98	14.73	8.08	6.65	--	1700	490	72	39	52	<25

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE
MW-7										
01/03/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
02/20/97	16.36	8.86	7.50	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/24/97	16.36	7.59	8.77	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
07/23/97	16.36	6.09	10.27	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/29/97	16.36	5.28	11.08	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
01/28/98	16.36	9.10	7.26	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/11/98	16.36	9.11	7.25	Sampled annually	--	--	--	--	--	--
TRIP BLANK										
02/20/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/24/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
07/23/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/29/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
01/28/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/11/98	--	--	--	--	<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 February 20, 1997. Earlier field data and analytical results are drawn from the January 24, 1997 Groundwater Technology, Inc. report.

ABBREVIATIONS:

TPH = Total Petroleum Hydrocarbons

MTBE = Methyl t-Butyl Ether

ND = Not detected at or above the minimum quantitation limit. See laboratory reports for minimum quantitation limits.

Analytical Appendix



Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 206145/980511-D2 Sample Descript: MW-1 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9805807-01	Sampled: 05/11/98 Received: 05/12/98 Analyzed: 05/25/98 Reported: 05/27/98
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QC Batch Number: GC052598BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	5000	17000
Methyl t-Butyl Ether	250	N.D.
Benzene	50	880
Toluene	50	3100
Ethyl Benzene	50	380
Xylenes (Total)	50	2300
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 #1210


Mike Gregory
Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 206145/980511-D2 Sample Descript: MW-3 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9805807-02	Sampled: 05/11/98 Received: 05/12/98 Analyzed: 05/25/98 Reported: 05/27/98
Attention: Fran Thie		

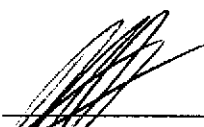
QC Batch Number: GC052598BTEX21A
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	59
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	11
Toluene	0.50	N.D.
Ethyl Benzene	0.50	2.1
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern: Unidentified HC		C6-C12
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	104

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

SEQUOIA ANALYTICAL - ELAP #1210



Mike Gregory
Project Manager





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Client Proj. ID: Chevron 206145/980511-D2
Sample Descript: MW-6
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9805807-03

Sampled: 05/11/98
Received: 05/12/98
Analyzed: 05/25/98
Reported: 05/27/98

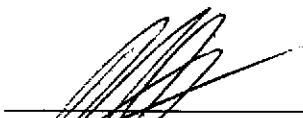
QC Batch Number: GC052598BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum 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	N.D.
Benzene	5.0	490
Toluene	5.0	72
Ethyl Benzene	5.0	39
Xylenes (Total)	5.0	52
Chromatogram Pattern:		GAS
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


Mike Gregory
Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 206145/980511-D2 Sample Descript: TB Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9805807-04	Sampled: 05/11/98 Received: 05/12/98 Analyzed: 05/22/98 Reported: 05/27/98
Attention: Fran Thie		

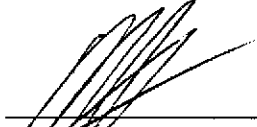
QC Batch Number: GC052298BTEX06A
Instrument ID: GCHP06

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	77

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
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd. North, Ste. D

Redwood City, CA 94063
Walnut Creek, CA 94598
Sacramento, CA 95834
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(650) 364-9600
(510) 988-9600
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(707) 792-1865

FAX (650) 364-9233
FAX (510) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342

Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112 Attention: Fran Thie	Client Proj. ID: Chevron 206145/980511-D2 Lab Proj. ID: 9805807	Received: 05/12/98 Reported: 05/27/98
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LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 9 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

TPGM2W: Sample 9805807-01 was diluted 100-fold.
Sample 9805807-03 was diluted 10-fold.

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager





Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8
1455 McDowell Blvd, North, Ste. D

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FAX (510) 988-9673
FAX (916) 921-0100
FAX (707) 792-0342

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

Client Project ID: Chevron 206145/980511-D2

QC Sample Group: 9805807-04

Reported: May 27, 1998

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 8015
Analyst:

ANALYTE Gasoline

QC Batch #: GC052298BTEX06A

Sample No.: GW9805711-3

Date Prepared: 5/22/98

Date Analyzed: 5/22/98

Instrument I.D.#: GCHP06

Sample Conc., ug/L: N.D.

Conc. Spiked, ug/L: 250

Matrix Spike, ug/L: 230

% Recovery: 92

Matrix

Spike Duplicate, ug/L: 220

% Recovery: 88

Relative % Difference: 4.4

RPD Control Limits: 0-25

LCS Batch#: GWBLK052298A

Date Prepared: 5/22/98

Date Analyzed: 5/22/98

Instrument I.D.#: GCHP06

Conc. Spiked, ug/L: 250

LCS Recovery, ug/L: 230

LCS % Recovery: 92

Percent Recovery Control Limits:

MS/MSD	60-140
LCS	70-130

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.





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

Client Project ID: Chevron 206145/980511-D2

QC Sample Group: 9805807-01,03

Reported: May 28, 1998

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 8020
Analyst: A. Miraftab

ANALYTE	Benzene	Toluene	Ethylbenzene	Xylenes
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QC Batch #: GC052598BTEX17A

Sample No.: 9805808-01

	Benzene	Toluene	Ethylbenzene	Xylenes
Date Prepared:	5/25/98	5/25/98	5/25/98	5/25/98
Date Analyzed:	5/25/98	5/25/98	5/25/98	5/25/98
Instrument I.D.#:	GCHP-17	GCHP-17	GCHP-17	GCHP-17

Sample Conc., ug/L:	N.D.	N.D.	N.D.	N.D.
Conc. Spiked, ug/L:	10	10	10	30

Matrix Spike, ug/L:	8.9	8.5	9.3	27
% Recovery:	89	85	93	90

Matrix				
Spike Duplicate, ug/L:	9.7	9.4	10	29
% Recovery:	97	94	100	97

Relative % Difference:	8.6	10	7.3	7.5
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RPD Control Limits:	0-25	0-25	0-25	0-25
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LCS Batch#: GC052598BTEX17A

	Benzene	Toluene	Ethylbenzene	Xylenes
Date Prepared:	5/25/98	5/25/98	5/25/98	5/25/98
Date Analyzed:	5/25/98	5/25/98	5/25/98	5/25/98
Instrument I.D.#:	GCHP-17	GCHP-17	GCHP-17	GCHP-17

Conc. Spiked, ug/L:	10	10	10	30
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LCS Recovery, ug/L:	8.7	8.3	8.7	26
LCS % Recovery:	87	83	87	87

Percent Recovery Control Limits:

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

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

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.

SEQUOIA ANALYTICAL


Mike Gregory
Project Manager





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

Client Project ID: Chevron 206145/980511-D2

QC Sample Group: 9805807-02

Reported: May 28, 1998

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 8020
Analyst: A. Miraftab

ANALYTE	Benzene	Toluene	Ethylbenzene	Xylenes
---------	---------	---------	--------------	---------

QC Batch #: GC052598BTEX21A

Sample No.: 98052598BTEX21A

Date Prepared:	5/25/98	5/25/98	5/25/98	5/25/98
Date Analyzed:	5/25/98	5/25/98	5/25/98	5/25/98
Instrument I.D.#:	GCHP-21	GCHP-21	GCHP-21	GCHP-21

Sample Conc., ug/L:	N.D.	N.D.	N.D.	N.D.
Conc. Spiked, ug/L:	10	10	10	30

Matrix Spike, ug/L:	9.4	9.2	9.5	29
% Recovery:	94	92	95	97

Matrix

Spike Duplicate, ug/L:	9.9	9.6	9.8	29
% Recovery:	99	96	98	97

Relative % Difference:	5.2	4.3	3.1	0.0
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RPD Control Limits:	0-25	0-25	0-25	0-25
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LCS Batch#: GC052598BTEX21A

Date Prepared:	5/25/98	5/25/98	5/25/98	5/25/98
Date Analyzed:	5/25/98	5/25/98	5/25/98	5/25/98
Instrument I.D.#:	GCHP-21	GCHP-21	GCHP-21	GCHP-21

Conc. Spiked, ug/L:	10	10	10	30
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LCS Recovery, ug/L:	9.9	9.6	9.8	29
LCS % Recovery:	99	96	98	97

Percent Recovery Control Limits:

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

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

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.

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager



Chain-of-Custody-Record

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

Chevron Facility Number 206145
 Facility Address 800 Center St., Oakland, CA
 Consultant Project Number 980511-DZ
 Consultant Name Blaine Tech Services, Inc.
 Address 1680 Rogers Ave., San Jose, CA 95112
 Project Contact (Name) Fran Thie
 (Phone) 408-573-0555 (Fax Number) 408-573-7771

Chevron Contact (Name) Phil Briggs
 (Phone) (510) 842-9136
 Laboratory Name Sequoia
 Laboratory Release Number 9013363
 Samples Collected by (Name) D. Venor
 Collection Date 5/11/98
 Signature [Signature]

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Lead (Yes or No)	Analyses To Be Performed <u>9805807</u>											Remarks	
								TEX + TPH GAS (8020 + 8015) + MISC	TPH Diesel (8015)	Oil and Grease (8020)	Flammable Hydrocarbons (8010)	Petroleum Aromatics (8020)	Petroleum Organics (8120)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)					
MW-1	1	3	W		14:27	HCL	Y	X												
MW-3	2	1			15:05			X												
MW-6	3	1			14:10			X												
TB	4	2			-			X												

Relinquished By (Signature) <u>[Signature]</u>	Organization <u>BTS</u>	Date/Time <u>5/12/98</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>SEQUOIA</u>	Date/Time <u>5/12/98</u>
Relinquished By (Signature) <u>[Signature]</u>	Organization <u>SEQUOIA</u>	Date/Time <u>5-12-98</u>	Received By (Signature) _____	Organization _____	Date/Time _____
Relinquished By (Signature) _____	Organization _____	Date/Time _____	Received For Laboratory By (Signature) <u>Jeri Dennis</u>	Organization _____	Date/Time <u>5/12/98</u>

Turn Around Time (Circle Choice)

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

Field Data Sheets

CHEVRON WELL MONITORING DATA SHEET

Project #: 980511-D-2	Station #: S-800
Sampler: DV	Date: 5-11-98
Well I.D.: MW-1	Well Diameter: ② 3 4 6 8 ____
Total Well Depth: 13.45	Depth to Water: 6.92
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> 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: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Middleburg <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port Other: _____
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<u>1.0</u>	x	<u>3</u>	=	<u>3.0</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
14:15	59.7	7.3	352	1.0	
14:20	61.1	6.7	350	2.0	
14:25	61.1	6.7	340	3.0	

Did well dewater?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: <u>3.0</u>
Sampling Time: <u>14:27</u>	Sampling Date: <u>5-11-98</u>	
Sample I.D.: <u>MW-1</u>	Laboratory: <u>Sequoia</u> GTEL N. Creek Assoc. Labs	
Analyzed for: <input checked="" type="checkbox"/> TPH-G <input checked="" type="checkbox"/> BTEX <input checked="" type="checkbox"/> MTBE <input type="checkbox"/> TPH-D Other:		
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D Other:	
D.O. (if req'd):	Pre-purge: <input type="text"/> mg/L	Post-purge: <input type="text"/> mg/L
O.R.P. (if req'd):	Pre-purge: <input type="text"/> mV	Post-purge: <input type="text"/> mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 980511-D2	Station #: 5-800
Sampler: DV	Date: 5-11-98
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8
Total Well Depth: 14.23	Depth to Water: 6.93
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: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Middleburg <input type="checkbox"/> Electric Submersible <input type="checkbox"/> Extraction Pump Other: _____	Sampling Method: <input type="checkbox"/> Bailer <input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Extraction Port Other: _____
--	---

1.2	x	3	=	3.6	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
14.55	62.6	6.0	1000	1.25	
14.59	64.0	6.8	1050	2.50	
15.03	69.0	6.9	1085	3.75	

Did well dewater?	Yes	<input checked="" type="radio"/> No	Gallons actually evacuated: 3.75
Sampling Time:	15:05	Sampling Date:	5-11-98
Sample I.D.:	MW-3	Laboratory:	(Sequia) 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 #: 980511-02	Station #: S-800
Sampler: DV	Date: 5/11
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8
Total Well Depth: 19.64	Depth to Water: 6.65
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: _____
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2.0	x	3	=	6.0	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
14:00	62.3	7.9	600	2	
14:04	61.9	7.3	620	4	
14:08	61.5	7.0	650	6	

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Gallons actually evacuated: 6
Sampling Time: 14:10	Sampling Date: 5/11
Sample I.D.: MW-6	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: <input type="text"/> mg/L Post-purge: <input type="text"/> mg/L
O.R.P. (if req'd):	Pre-purge: <input type="text"/> mV Post-purge: <input type="text"/> mV