BLAINE
TECH SERVICES INC

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

April 28, 1999

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

1st Quarter 1999 Monitoring at 9-0517

First Quarter 1999 Groundwater Monitoring at
Former Chevron Service Station Number 9-0517
3900 Piedmont Ave.
Oakland, CA

Monitoring Performed on February 8, 1999

Groundwater Sampling Report **990208-C-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,

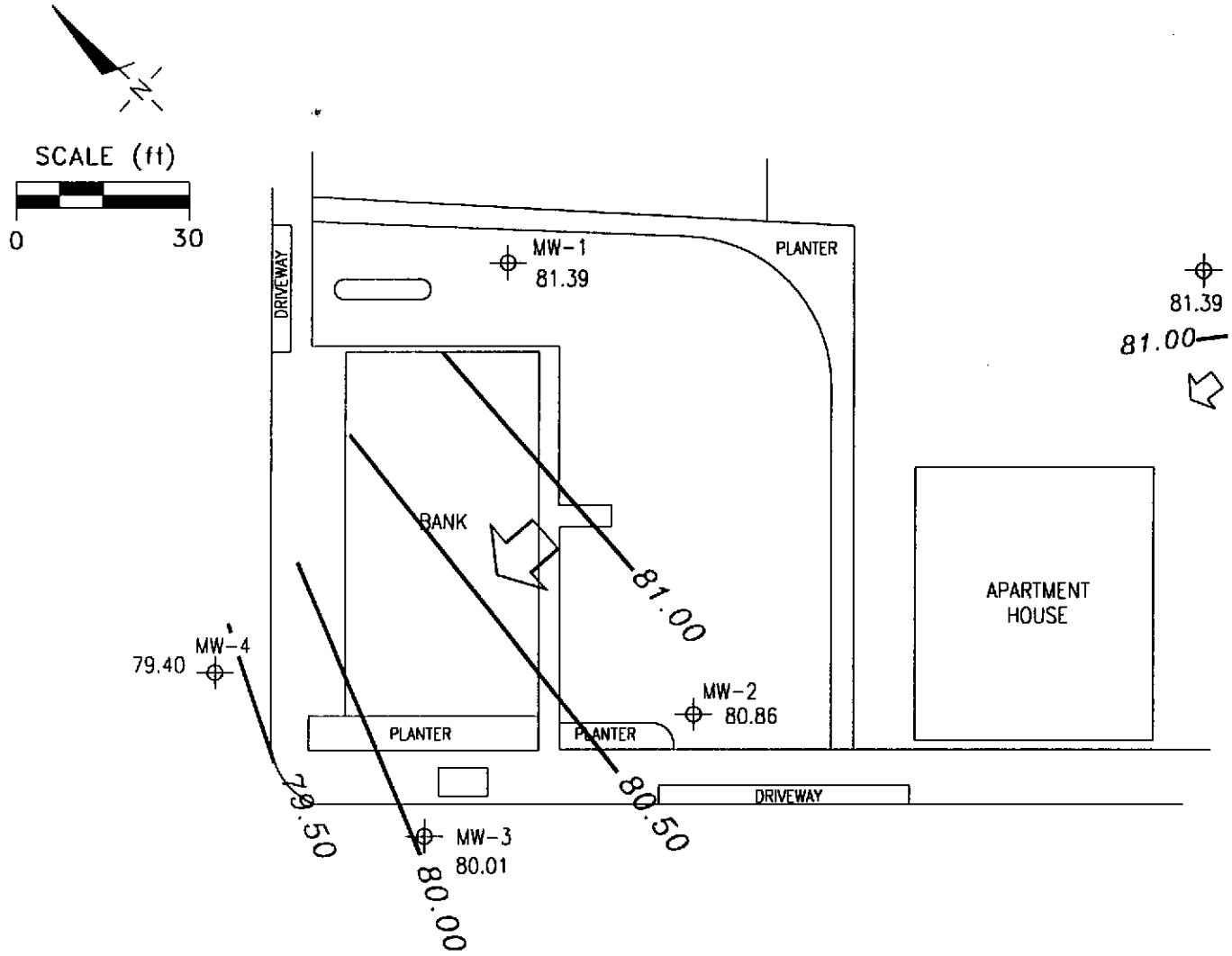
Christine Lillie

Christine Lillie
Project Coordinator

CAL/sb

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

Professional Engineering Appendix



EXPLANATION

- ⊕ MONITORING WELL
- 81.39 GROUNDWATER ELEVATION (FT. MSL)
- 81.00 — GROUNDWATER ELEVATION CONTOUR (FT. MSL)
- APPROXIMATE GROUNDWATER FLOW DIRECTION; APPROXIMATE GRADIENT = 0.02

REGISTERED GEOLOGIST
STEVEN E. KRCIK
No. 4976
9/08
STATE OF CALIFORNIA

Ref. 0517-gm.dwg
Basemap from Gettler-Ryan, Inc.

PREPARED BY
RRM
engineering contracting firm

Former Chevron Station 9-0517
3900 Piedmont Street
Oakland, California

GROUNDWATER ELEVATION CONTOUR MAP, FEBRUARY 8, 1999

FIGURE:
1

PROJECT:
DAC04

Table of
Well Data and
Analytical Results

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE
MW-1										
08/03/98	87.89	75.46	12.43	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
11/23/98	87.89	78.84	9.05	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0
02/08/99	87.89	81.39	6.50	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-2										
08/03/98	86.09	74.75	11.34	--	<50	<0.5	<0.5	<0.5	<0.5	3.4
11/23/98	86.09	79.19	6.90	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0
02/08/99	86.09	80.86	5.23	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-3										
08/03/98	86.28	74.20	12.08	--	4000	160	<5.0	<5.0	73	180
11/23/98	86.28	78.59	7.69	--	4000	67.7	7.56	17.1	24.5	41.2
02/08/99	86.28	80.01	6.27	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
MW-4										
08/03/98	87.22	74.30	12.92	--	1900	110	12	<0.5	55	130
11/23/98	87.22	77.82	9.40	--	4080	136	17.8	37.2	30.1	51.8
02/08/99	87.22	79.40	7.82	*	2900	150	16	<5.0	15	230
02/08/99	87.22	79.40	7.82	Confirmation Run	--	--	--	--	--	30.7
TRIP BLANK										
08/03/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
11/23/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0
02/08/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5

* Chromatogram pattern indicates gas and an unidentified hydrocarbon.

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on November 23, 1998. Earlier field data and analytical results are drawn from the August 3, 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
1680 Rogers Avenue
San Jose, CA 95112
Attention: Christine Lillie

Client Proj. ID: Chevron 9-0517/9902208-C2

Lab Proj. ID: 9902438

Received: 02/09/99

Reported: 03/29/99

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 14 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

NOTE TPH-Gas/BTEX/MTBE: The sample 9902438-04 was diluted 10 fold.

NOTE: The sample 9902438-04 MTBE confirmed by 8260 at Sequoia San Carlos.

SEQUOIA ANALYTICAL

Mei Mei Shin
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, (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 9-0517/9902208-C2	Sampled: 02/08/99
1680 Rogers Avenue	Sample Descript: MW1	Received: 02/09/99
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/16/99
Attention: Christine Lillie	Lab Number: 9902438-01	Reported: 03/29/99

QC Batch Number: GC021699BTEX30A
Instrument ID: GCHP30

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	94

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
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, (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 9-0517/9902208-C2	Sampled: 02/08/99
1680 Rogers Avenue	Sample Descript: MW2	Received: 02/09/99
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/16/99
Attention: Christine Lillie	Lab Number: 9902438-02	Reported: 03/29/99

QC Batch Number: GC021699BTEX30A
Instrument ID: GCHP30

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	98

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
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, (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 9-0517/9902208-C2	Sampled: 02/08/99
1680 Rogers Avenue	Sample Descript: MW3	Received: 02/09/99
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/16/99
Attention: Christine Lillie	Lab Number: 9902438-03	Reported: 03/29/99

QC Batch Number: GC021699BTEX30A
Instrument ID: GCHP30

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	99

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
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, (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 9-0517/9902208-C2	Sampled: 02/08/99
1680 Rogers Avenue	Sample Descript: MW4	Received: 02/09/99
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/18/99
Attention: Christine Lillie	Lab Number: 9902438-04	Reported: 03/29/99

QC Batch Number: GC021899BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**500**	**2900**
Methyl t-Butyl Ether	**25**	**230**
Benzene	**5.0**	**150**
Toluene	**5.0**	**16**
Ethyl Benzene	5.0	N.D.
Xylenes (Total)	**5.0**	**15**
Chromatogram Pattern:		
Gas & Unidentified HC		**c6-c12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	118

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
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, (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 9-0517/9902208-C2	Sampled: 02/08/99
1680 Rogers Avenue	Sample Descript: TB	Received: 02/09/99
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 02/16/99
Attention: Christine Lillie	Lab Number: 9902438-05	Reported: 03/29/99

QC Batch Number: GC021699BTEX30A
Instrument ID: GCHP30

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	96

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

SEQUOIA ANALYTICAL - ELAP #1210

Mei Mei Shin
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, (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
1680 Rogers Ave.
San Jose, CA 95112
Attention: Christine Lillie

Client Project ID: Chevron 9-0517/9902208-C2

QC Sample Group: 9902438

Reported: Mar 29, 1999

QUALITY CONTROL DATA REPORT

Matrix:	Liquid			
Method:	EPA 8020			
Analyst:	BTF			
ANALYTE	Benzene	Toluene	Ethylbenzene	Xylenes
QC Batch #:	GC021699BTEX30A			
Sample No.:	GW9902434-5MS			
Date Prepared:	2/16/99	2/16/99	2/16/99	2/16/99
Date Analyzed:	2/16/99	2/16/99	2/16/99	2/16/99
Instrument I.D.#:	GCHP30	GCHP30	GCHP30	GCHP30
Sample Conc., ug/L:	N.D.	N.D.	N.D.	N.D.
Conc. Spiked, ug/L:	10	10	10	30
Matrix Spike, ug/L:	9.8	9.4	9.4	28
% Recovery:	98	94	94	95
Matrix Spike Duplicate, ug/L:	9.6	9.2	9.2	28
% Recovery:	96	92	92	92
Relative % Difference:	2.1	2.2	2.2	3.2
RPD Control Limits:	0-25	0-25	0-25	0-25

LCS Batch#:	GWLCS021699A			
Date Prepared:	2/16/99	2/16/99	2/16/99	2/16/99
Date Analyzed:	2/16/99	2/16/99	2/16/99	2/16/99
Instrument I.D.#:	GCHP30	GCHP30	GCHP30	GCHP30
Conc. Spiked, ug/L:	10	10	10	30
LCS Recovery, ug/L:	11	10	10	31
LCS % Recovery:	106	101	102	102

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.

SEQUOIA ANALYTICAL

Mei Mei Shin
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.

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
1680 Rogers Ave.
San Jose, CA 95112
Attention: Christine Lillie

Client Project ID: Chevron 9-0517/9902208-C2

QC Sample Group: 9902438

Reported: Mar 29, 1999

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 8020
Analyst: BTF

ANALYTE	Benzene	Toluene	Ethylbenzene	Xylenes
QC Batch #:	GC021899BTEX30A			
Sample No.:	GW9902793-08			
Date Prepared:	2/18/99	2/18/99	2/18/99	2/18/99
Date Analyzed:	2/18/99	2/18/99	2/18/99	2/18/99
Instrument I.D.#:	GCHP30	GCHP30	GCHP30	GCHP30
Sample Conc., ug/L:	N.D.	N.D.	N.D.	N.D.
Conc. Spiked, ug/L:	10	10	10	30
Matrix Spike, ug/L:	9.7	9.4	9.3	28
% Recovery:	97	94	93	93
Matrix Spike Duplicate, ug/L:	9.9	9.6	9.5	28
% Recovery:	99	96	95	95
Relative % Difference:	2.0	2.1	2.1	2.1
RPD Control Limits:	0-25	0-25	0-25	0-25

LCS Batch#:	GC021899BTEX30A			
Date Prepared:	2/18/99	2/18/99	2/18/99	2/18/99
Date Analyzed:	2/18/99	2/18/99	2/18/99	2/18/99
Instrument I.D.#:	GCHP30	GCHP30	GCHP30	GCHP30
Conc. Spiked, ug/L:	10	10	10	30
LCS Recovery, ug/L:	9.8	9.5	9.3	28
LCS % Recovery:	98	95	93	93

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.

SEQUOIA ANALYTICAL

Mei Mei Shin
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.

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
1551 Industrial Road, San Carlos, CA 94070-4111, (650) 232-9600, FAX (650) 232-9612

March 15, 1999

Mei Mei Shin
Sequoia - Redwood City
680 Chesapeake Drive
Redwood City, CA 94063

RE: Mei Mei Shin/L903088

Dear Mei Mei Shin:

Enclosed are the results of analyses for sample(s) received by the laboratory on March 12, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Gregory
Project Manager D.M.

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
1551 Industrial Road, San Carlos, CA 94070-4111, (650) 232-9600, FAX (650) 232-9612

Sequoia - Redwood City	Project:	Mei Mei Shin	Sampled:	2/8/99
680 Chesapeake Drive	Project Number:	9902438(Blaine)	Received:	3/12/99
Redwood City, CA 94063	Project Manager:	Mei Mei Shin	Reported:	3/15/99

ANALYTICAL REPORT FOR L903088

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
9902438-04	L903088-01	Water	2/8/99

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
1551 Industrial Road, San Carlos, CA 94070-4111, (650) 232-9600, FAX (650) 232-9612

Sequoia - Redwood City	Project:	Mei Mei Shin	Sampled:	2/8/99
680 Chesapeake Drive	Project Number:	9902438(Blaine)	Received:	3/12/99
Redwood City, CA 94063	Project Manager:	Mei Mei Shin	Reported:	3/15/99

Sample Description: **9902438-04**
Laboratory Sample Number: **L903088-01**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
MTBE by EPA Method 8260A								
Methyl tert-butyl ether	9030037	3/12/99	3/12/99		3.34	**30.7**	ug/l	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*76.0-114*		*89.6*	*%*	

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
1551 Industrial Road, San Carlos, CA 94070-4111, (650) 232-9600, FAX (650) 232-9612

Sequoia - Redwood City	Project:	Mei Mei Shin	Sampled: 2/8/99
680 Chesapeake Drive	Project Number:	9902438(Blaine)	Received: 3/12/99
Redwood City, CA 94063	Project Manager:	Mei Mei Shin	Reported: 3/15/99

MTBE by EPA Method 8260A/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9030037	**Date Prepared: 3/12/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9030037-BLK1**									
Methyl tert-butyl ether	3/12/99			**ND**	ug/l	**2.00**				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*49.0*	"	*76.0-114*	*98.0*			
LCS	**9030037-BS1**									
Methyl tert-butyl ether	3/12/99	50.0		43.9	ug/l	70.0-130	87.8			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*47.5*	"	*76.0-114*	*95.0*			
Matrix Spike	**9030037-MS1**		**L903084-01**							
Methyl tert-butyl ether	3/12/99	50.0	ND	46.6	ug/l	60.0-140	**93.2**			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*46.8*	"	*76.0-114*	*93.6*			
Matrix Spike Dup	**9030037-MSD1**		**L903084-01**							
Methyl tert-butyl ether	3/12/99	50.0	ND	46.4	ug/l	60.0-140	**92.8**	25.0	**0.430**	
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*46.6*	"	*76.0-114*	*93.2*			

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
1551 Industrial Road, San Carlos, CA 94070-4111, (650) 232-9600, FAX (650) 232-9612

Sequoia - Redwood City	Project:	Mei Mei Shin	Sampled:	2/8/99
680 Chesapeake Drive	Project Number:	9902438(Blaine)	Received:	3/12/99
Redwood City, CA 94063	Project Manager:	Mei Mei Shin	Reported:	3/15/99

Notes and Definitions

#	Note
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ No Revised COC

Chain-of-Custody-Record

MAR-11'99(THU) 13:18 BLAINE TECH SERVICES, INC TEL:408 573 7771 P.002

Chevron Products Co.
P.O. BOX 6004
San Ramon, CA 94583
FAX (925)842-8370

Chevron Facility Number 9-0517
Facility Address 3900 Piedmont Ave., Oakland
Consultant Project Number 990209-C-2
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 2202800
Samples Collected by (Name) CASSIDY
Signature

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

Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air	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 (CAM or AA)	BTEX (8020)	BTEX/MTBE/Napht. (8020)	TPH - HCID	TPH-D Extended					Remarks
MW1	3	W	HCl	2/8	X																	Lab Sample No.
MW2	↓	↓			X																	Please
MW3					X																	CONFIRM
MW4					X																	MTBE
TD	2	↓		↓	X																	HITS BY
																						8260
																						ON MW-3
																						and MW-4

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N
	BTS	2/9 13:00		SEQ	2/9/99 13:4	
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N
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

SUB-CHAIN OF CUSTODY

SEQUOIA ANALYTICAL
680 CHESAPEAKE DRIVE
REDWOOD CITY, CA 94063
TEL415-364-9600 FAX415-364-9233

PROJECT SUBBED TO: SC

TAT REQUESTED: ☐ 24H ☐ 48H ☐ 72H ☐

DUE DATE: 3/15/99

REPORT TO: Mei Mei Shin

WORKORDER # 9902438

PROJECT NAME: Blaine

FRACTION NUMBER	SAMPLE DESCRIPTION	MATRIX	NUMBER OF CONT.	TYPE CONT.	SAMPLING TIME/DATE	MTBE Confirm by 8260	ANALYSIS REQUESTED	REMARKS
04	MW4	L	1	VOA	2/8/99	X		

RELINQUISHED FROM SEQUOIA BY: DATE TIME
Noelle Lane 3/12/99

RELINQUISHED BY: DATE TIME

RELINQUISHED BY: DATE TIME

RECEIVED BY: DATE TIME

RECEIVED BY: DATE TIME

RECEIVED BY: DATE TIME

SAMPLE CONDITION?

TEMP?

WELL GAUGING DATA

Project # 990208-C2 Date 2-8-99 Client Chevron

Site 3900 Piedmont Oakland

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					6.50	16.45	TOC	
MW2	2					5.23	16.42		
MW3	2					6.27	17.53		
MW4	2					7.82	16.19		

CHEVRON WELL MONITORING DATA SHEET

Project #: 990208-C 1	Station #: 9-0517
Sampler: CM	Date: 2-8-99
Well I.D.: MW1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 16.45	Depth to Water: 6.50
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

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

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1215	59.6	7.0	650	2	
1218	59.7	7.0	606	4	
1221	60.2	6.9	600	5	

Did well dewater? Yes (No) Gallons actually evacuated: 5.0

Sampling Time: 12:26 Sampling Date: 2-8-99

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 #: 990208-C 1	Station #: 9-0517
Sampler: CM	Date: 2-8-99
Well I.D.: MW2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 16.42	Depth to Water: 5.23
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: ___

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

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1234	59.7	7.0	506	2	
1237	60.2	6.9	500	4	
1240	60.9	6.8	500	5.1	

Did well dewater? Yes (No)		Gallons actually evacuated: 5.5	
Sampling Time: 1245		Sampling Date: 2-8-99	
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 #: 990208-C 1	Station #: 9-0517
Sampler: CM	Date: 2-8-99
Well I.D.: MW3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 17.53	Depth to Water: 6.27
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	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: ___

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

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1255	59.1	7.0	1000	2	
1258	59.3	6.8	1000	4	
1301	59.9	6.8	1000	5.5	

Did well dewater? Yes (No)		Gallons actually evacuated: 5.5	
Sampling Time: 1306		Sampling Date: 2-8-99	
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	

CHEVRON WELL MONITORING DATA SHEET

Project #: 990208-C 1	Station #: 9-0517
Sampler: CM	Date: 2-8-99
Well I.D.: MW4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 16.19	Depth to Water: 7.82
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 X; Extraction Port; Other: ___

1.3 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 3.9 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1316	59.2	6.9	850	1.5	odor
1319	61.2	6.7	806	2.5	↓
1322	61.0	6.7	748	4.0	↓

Did well dewater? Yes (No)	Gallons actually evacuated: 4.0
Sampling Time: 1325	Sampling Date: 2-8-99
Sample I.D.: MW4	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