BLAINE
TECH SERVICES, INC.

985 TIMOTHY DRIVE
SAN JOSE, CA 95133
(408) 995-5535
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ENVIRONMENTAL
PROTECTION

97 JAN 28 PM 2:59

January 10, 1997

Phil Briggs
Chevron U.S.A. Products Company
P.O. Box 5004
San Ramon, CA 94583-0804

4th Quarter 1996 Monitoring at 9-4463

Fourth Quarter 1996 Groundwater Monitoring at
Chevron Service Station Number 9-4463
1801 Park Street
Alameda, CA

Monitoring Performed on December 11, 1996

Groundwater Sampling Report **961211-F-2**

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

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

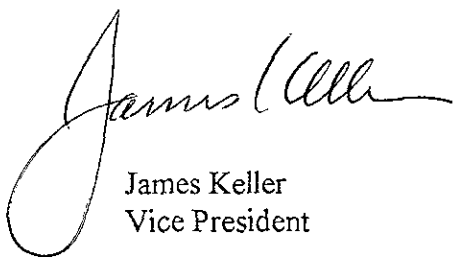
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**. The table also contains new groundwater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

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

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

Please call if you have any questions.

Yours truly,



James Keller
Vice President

JPK/cg

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

Professional Engineering Appendix

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
C-1										
08/25/95	12.93	--	--	Dry	--	--	--	--	--	--
11/07/95	12.93	--	--	Dry	--	--	--	--	--	--
02/14/96	12.17	7.95	4.22	--	1200	19	5.3	130	96	<12
05/24/96	12.17	7.22	4.95	--	610	11	3.0	70	35	<5.0
08/01/96	12.17	5.67	6.50	--	65	7.4	5.7	7.1	11	<2.5
12/11/96	12.17	6.75	5.42	--	640	9.4	2.6	72	35	13
C-2										
08/25/95	11.96	5.62	6.34	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/07/95	11.96	4.11	7.85	--	1500	440	<10	<10	67	1200
02/14/96	11.61	7.79	3.82	--	<50	<0.5	<0.5	<0.5	<0.5	56
05/24/96	11.61	7.21	4.40	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
08/01/96	11.61	5.61	6.00	--	<50	0.93	<0.5	<0.5	0.65	24
12/11/96	11.61	7.78	3.83	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
C-3										
08/25/95	11.70	5.55	6.15	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/07/95	11.70	4.10	7.60	--	<500	<5.0	<5.0	<5.0	<5.0	5200
02/14/96	11.36	7.36	4.00	--	<50	<0.5	<0.5	<0.5	<0.5	54
05/24/96	11.36	6.66	4.70	--	<50	<0.5	<0.5	<0.5	<0.5	10
08/01/96	11.36	5.38	5.98	--	<50	1.2	1.9	1.5	4.9	53
12/11/96	11.36	7.44	3.92	--	<50	<0.5	<0.5	<0.5	<0.5	13

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
C-4										
08/25/95	12.87	6.15	6.72	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/07/95	12.87	4.49	8.38	--	<50	<0.5	<0.5	<0.5	<0.5	74
02/14/96	12.37	--	--	--	--	--	--	--	--	--
05/24/96	12.37	--	--	--	--	--	--	--	--	--
08/01/96	12.37	5.67	6.70	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/11/96	12.37	6.66	5.71	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
C-5										
08/25/95	13.35	6.34	7.01	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/07/95	13.35	5.05	8.30	--	<50	<0.5	<0.5	<0.5	<0.5	200
02/14/96	13.35	7.17	6.18	--	560	<0.5	<0.5	40	18	5.5
05/24/96	13.35	6.68	6.67	--	180	<0.5	<0.5	8.6	<0.5	<2.5
08/01/96	13.35	5.79	7.56	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/11/96	13.35	7.06	6.29	--	<50	<0.5	<0.5	<0.5	<0.5	45

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
TRIP BLANK										
08/25/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/07/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
02/14/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/24/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
08/01/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/11/96	--	--	--	--	<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 November 7, 1995. Earlier field data and analytical results are drawn from the Sierra Environmental's report 38504T.WLG.

ABBREVIATIONS:
TPH = Total Petroleum Hydrocarbons
MTBE = Methyl t-Butyl Ether

Analytical Appendix

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Attention: Jim Keller

Client Proj. ID: Chevron 9-4463/961211-F2
Sample Descript: C-1
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9612756-01

Sampled: 12/11/96
Received: 12/12/96

Analyzed: 12/16/96
Reported: 12/22/96

QC Batch Number: GC121696BTEX18A
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**200**	**640**
Methyl t-Butyl Ether	**10**	**13**
Benzene	**2.0**	**9.4**
Toluene	**2.0**	**2.6**
Ethyl Benzene	**2.0**	**72**
Xylenes (Total)	**2.0**	**35**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	102

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Technical Services	Client Proj. ID: Chevron 9-4463/961211-F2	Sampled: 12/11/96
985 Timothy Drive	Sample Descript: C-2	Received: 12/12/96
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 12/13/96
Attention: Jim Keller	Lab Number: 9612756-02	Reported: 12/22/96

QC Batch Number: GC121396BTEX07A
Instrument ID: GCHP07

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	101

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 Technical Services	Client Proj. ID: Chevron 9-4463/961211-F2	Sampled: 12/11/96
985 Timothy Drive	Sample Descript: C-3	Received: 12/12/96
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 12/14/96
Attention: Jim Keller	Lab Number: 9612756-03	Reported: 12/22/96

QC Batch Number: GC121496BTEX06A
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**	**13**
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	93

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

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Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Attention: Jim Keller

Client Proj. ID: Chevron 9-4463/961211-F2
Sample Descript: C-4
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9612756-04

Sampled: 12/11/96
Received: 12/12/96

Analyzed: 12/13/96
Reported: 12/22/96

QC Batch Number: GC121396BTEX07A
Instrument ID: GCHP07

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

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 Technical Services	Client Proj. ID: Chevron 9-4463/961211-F2	Sampled: 12/11/96
985 Timothy Drive	Sample Descript: C-5	Received: 12/12/96
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 12/14/96
Attention: Jim Keller	Lab Number: 9612756-05	Reported: 12/22/96

QC Batch Number: GC121496BTEX06A
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**	**45**
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	73

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Technical Services	Client Proj. ID: Chevron 9-4463/961211-F2	Sampled: 12/11/96
985 Timothy Drive	Sample Descript: TB	Received: 12/12/96
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 12/13/96
Attention: Jim Keller	Lab Number: 9612756-06	Reported: 12/22/96

QC Batch Number: GC121396BTEX07A
Instrument ID: GCHP07

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	104

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 Technical Services	Client Proj. ID: Chevron 9-4463/961211-F2	Received: 12/12/96
985 Timothy Drive		
San Jose, CA 95133	Lab Proj. ID: 9612756	Reported: 12/22/96
Attention: Jim Keller		

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 10 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

TPPH Note: Sample 9612756-01 was diluted 4-fold.

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

Sequoia Analytical

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Blaine Tech Services, Inc.
985 Timothy Drive
San Jose, CA 95133
Attention: Jim Keller

Client Project ID: Chevron 9-4463/961211-f2
Matrix: Liquid
Work Order #: 9612756 -01

Reported: Dec 31, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC121696BTEX18A	GC121696BTEX18A	GC121696BTEX18A	GC121696BTEX18A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	A. Porter	A. Porter	A. Porter	A. Porter
MS/MSD #:	961275103	961275103	961275103	961275103
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	12/16/96	12/16/96	12/16/96	12/16/96
Analyzed Date:	12/16/96	12/16/96	12/16/96	12/16/96
Instrument I.D.#:	GCHP18	GCHP18	GCHP18	GCHP18
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	12	12	11	34
MS % Recovery:	120	120	110	113
Dup. Result:	11	11	11	32
MSD % Recov.:	110	110	110	107
RPD:	8.7	8.7	0.0	6.1
RPD Limit:	0-25	0-25	0-25	0-25
LCS #:	BLK121696	BLK121696	BLK121696	BLK121696
Prepared Date:	12/16/96	12/16/96	12/16/96	12/16/96
Analyzed Date:	12/16/96	12/16/96	12/16/96	12/16/96
Instrument I.D.#:	GCHP18	GCHP18	GCHP18	GCHP18
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	11	11	11	34
LCS % Recov.:	110	110	110	113
MS/MSD Control Limits	60-140	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

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

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Blaine Tech Services, Inc.
985 Timothy Drive
San Jose, CA 95133
Attention: Jim Keller

Client Project ID: Chevron 9-4463/961211-f2
Matrix: Liquid
Work Order #: 9612756-02,-04,-06

Reported: Dec 31, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC121396BTEX07A	GC121396BTEX07A	GC121396BTEX07A	GC121396BTEX07A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	A. Porter	A. Porter	A. Porter	A. Porter
MS/MSD #:	961234501	961234501	961234501	961234501
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	12/13/96	12/13/96	12/13/96	12/13/96
Analyzed Date:	12/13/96	12/13/96	12/13/96	12/13/96
Instrument I.D.#:	GCHP07	GCHP07	GCHP07	GCHP07
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	11	11	11	33
MS % Recovery:	110	110	110	110
Dup. Result:	11	11	11	35
MSD % Recov.:	110	110	110	117
RPD:	0.0	0.0	0.0	5.9
RPD Limit:	0-25	0-25	0-25	0-25
LCS #:	BLK121396	BLK121396	BLK121396	BLK121396
Prepared Date:	12/13/96	12/13/96	12/13/96	12/13/96
Analyzed Date:	12/13/96	12/13/96	12/13/96	12/13/96
Instrument I.D.#:	GCHP07	GCHP07	GCHP07	GCHP07
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	12	12	12	35
LCS % Recov.:	120	120	120	117
MS/MSD Control Limits	60-140	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

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

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Blaine Tech Services, Inc.
985 Timothy Drive
San Jose, CA 95133
Attention: Jim Keller

Client Project ID: Chevron 9-4463/961211-f2
Matrix: Liquid
Work Order #: 9612756-03,-05

Reported: Dec 31, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC121496BTEX06A	GC121496BTEX06A	GC121496BTEX06A	GC121496BTEX06A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Heider	J. Heider	J. Heider	J. Heider
MS/MSD #:	961251806	961251806	961251806	961251806
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	12/14/96	12/14/96	12/14/96	12/14/96
Analyzed Date:	12/14/96	12/14/96	12/14/96	12/14/96
Instrument I.D.#:	GCHP06	GCHP06	GCHP06	GCHP06
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	10	10	30
MS % Recovery:	100	100	100	100
Dup. Result:	9.8	9.4	9.8	28
MSD % Recov.:	98	94	98	92
RPD:	5.9	7.2	4.0	6.3
RPD Limit:	0-25	0-25	0-25	0-25
LCS #:	BLK121496	BLK121496	BLK121496	BLK121496
Prepared Date:	12/14/96	12/14/96	12/14/96	12/14/96
Analyzed Date:	12/14/96	12/14/96	12/14/96	12/14/96
Instrument I.D.#:	GCHP06	GCHP06	GCHP06	GCHP06
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	9.6	9.5	9.5	28
LCS % Recov.:	96	95	95	92
MS/MSD Control Limits	60-140	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

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

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

Chain-of-Custody-Record

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

Chevron Facility Number: 9-4463
Facility Address: 1801 Park St., Alameda, CA
Consultant Project Number: 961211-F2
Consultant Name: Blaine Tech Services, Inc.
Address: 985 Timothy Dr., San Jose, CA 95133
Project Contact (Name): Jim Keller
(Phone) 408 995-5535 (Fax Number) 408 293-8773

Chevron Contact (Name): Phil Briggs
(Phone) (510) 842-9136
Laboratory Name: Sequoia
Laboratory Release Number: 3726640
Samples Collected by (Name): Tim Graf
Collection Date: 12/11/96
Signature: Tim Graf

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: 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)	BTEX					DO NOT BILL FOR TB-LB Remarks
C-1	1	3	W			HCl	Y	X								X					9612756
C-2	2	3						X								X					
C-3	3	3						X								X					
C-4	4	3						X								X					
C-5	5	3						X								X					DEC 24
TB	6	2			—			X								X					

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Tim Graf	BTS	12/12/96 11:50		Sequoia	12/12/96 11:50
	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
		12/12/96			
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
					12/12/96 1330

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

COC-3.DWG/03 91/HCH

Field
Data
Sheets

WELL GAUGING DATA

Project # 961211-F2 Date 12/11/96 Client CHEVRON 9-4463

Site 1801 PARK ST. ALAMEDA, CA

Well I.D.	Well Size (in.)	Sheen/ Odor	Depth to Immiscible Liquid (feet)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to Water (feet)	Depth to Well Bottom (feet)	Survey Point: TOB or TOC
C-1	3					5.42	9.31	TOC
C-2	3					3.83	12.30	
C-3	3					3.92	12.86	
C-4	3					5.71	12.83	
C-5	2					6.29	17.74	

CHEVRON WELL MONITORING DATA SHEET

Project #: 961211-F2	Station #: 9-4463
Sampler: TG	Date: 12/11/96
Well I.D.: C-1	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 9.31	Depth to Water: 5.42
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method:
- Bailer
- Disposable Bailer ✗
- Middleburg
- Electric Submersible
- Extraction Pump
- Other: ___

Sampling Method:
- Bailer
- Disposable Bailer ✗
- Extraction Port
- Other: ___

1.4 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 4.2 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1340	67.2	6.8	740	1.5	MILKY
1342	68.0	6.9	860	3.0	
	DEWATERED @ 3.0 GALLONS				
			DTW = 8.37		
1530	68.8	7.0	840	—	

Did well dewater? (Yes) No Gallons actually evacuated: 3.0+

Sampling Time: 1535 Sampling Date: 12/11/96

Sample I.D.: C-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 #: 961211-F2	Station #: 9-4467
Sampler: TG	Date: 12/11/96
Well I.D.: C-2	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 12.30	Depth to Water: 3.83
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

3.1 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 9.3 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1354	65.2	7.2	280	4	VERY SILTY
1355	66.2	7.0	280	7	
1356	65.6	7.0	280	10	

Did well dewater? Yes (No) Gallons actually evacuated: 10.0

Sampling Time: 1405 Sampling Date: 12/11/96

Sample I.D.: C-2 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 #: 961211-F2	Station #: 9-4463
Sampler: TG	Date: 12/11/96
Well I.D.: C-3	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: 12.86	Depth to Water: 3.92
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

3.3	x	3	=	9.9 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1416	66.0	7.0	520	4	VERY SILTY
1417	66.2	6.8	600	7	
1418	66.2	6.8	600	10	

Did well dewater? Yes (No)		Gallons actually evacuated: 10.0	
Sampling Time: 1430		Sampling Date: 12/11/96	
Sample I.D.: C-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 #: 961211-F2	Station #: 9-4463
Sampler: TG	Date: 12/11/96
Well I.D.: C-4	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 12.83	Depth to Water: 5.71
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

2.6 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 7.8 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1444	67.4	6.8	240	2.75	VERY SILTY
1446	68.0	6.6	140	5.25	
1448	67.6	6.6	140	8.0	

Did well dewater? Yes (No) Gallons actually evacuated: 8.0

Sampling Time: 1455 Sampling Date: 12/11/96

Sample I.D.: C-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

CHEVRON WELL MONITORING DATA SHEET

Project #:	961211-F2	Station #:	9-4463
Sampler:	TG	Date:	12/11/96
Well I.D.:	C-5	Well Diameter:	(2) 3 4 6 8 ___
Total Well Depth:	17.74	Depth to Water:	6.29
Depth to Free Product:		Thickness of Free Product (feet):	
Referenced to:	(PVC) Grade	D.O. Meter (if req'd):	YSI HACH

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

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

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

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

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1507	67.6	7.4	440	2	Brown
1509	67.0	7.4	420	4	
1511	67.0	7.4	410	5.5	

Did well dewater?	Yes (No)			Gallons actually evacuated:	5.5
Sampling Time:	1515			Sampling Date:	12/11/96
Sample I.D.:	C-5			Laboratory:	(Sequoia) GTEL
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