Chevron

January 24, 1997

Chevron Products Company
6001 Bollinger Canyon Road
Building L
San Ramon, CA 94583
P.O. Box 5004
San Ramon, CA 94583-0804

Marketing – ~~Northwest Region~~
Phone 510 842 9500

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

Re: Former Chevron Service Station #9-4463
1801 Park Street , Alameda, California

Dear Ms. Chu:

Enclosed are the Third and Fourth Quarter 1996 Groundwater Monitoring Reports that were prepared by our consultant Blaine Tech Services Inc., for the above noted site. The groundwater samples collected were analyzed for TPH-g, BTEX and MtBE.

BTEX constituents were below method detection limits in monitoring wells C-4 and C-5 for both quarters. Monitoring wells C-2 and C-3 were slightly above detection limits for benzene constituents in the third quarter but were below method detection limits for benzene in the fourth quarter. Monitoring well C-1 had dissolved BTEX constituents in both quarters.

Depth to groundwater varied from 5.98 feet to 7.56 feet below grade in the third quarter with the direction of flow in a northeasterly direction. In the fourth quarter the groundwater depth varied from 3.92 feet to 6.29 feet below grade with a direction of flow in a south easterly direction. As previously discussed, the direction of flow to the south east may be due to a ground waster extraction system that is operating near this site. Exxon site at 1725 Park St, across street

Of the five wells sampled, only monitoring well C-1 has shown any high benzene readings in the last four quarters and that was only at a concentration of 19ppb. The last sampling event for this well showed a concentration of 9.4ppb of benzene. The highest benzene concentrations for the other wells in this same sampling period was 1.2ppb in C-3. Because of these minimal concentrations and that over excavations was done at the time the tanks were removed it appears that this site is does not pose a health risk. Therefore, Chevron requests that consideration be given to closer of this site and abandonment of the wells.

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

Sincerely,
CHEVRON PRODUCTS COMPANY

Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

cc. Ms. Bette Owen, Chevron

Mr. Leonard Goode
2424 Clement Avenue
Alameda, CA 95401

Chevron

January 2, 1996

Chevron U.S.A. Products Company
6001 Bollinger Canyon Rd , Bldg. L
P.O. Box 5004
San Ramon, CA 94583-0804

Mark A. Miller
SAR Engineer
Phone No 510 842-8134
Fax No 510 842-8252

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

Re: Former Chevron Service Station #9-4463
1801 Park Street, Alameda, CA

Dear Ms. Chu:

Enclosed is the Fourth Quarter 1995 Groundwater Monitoring Report dated December 8, 1995, prepared by our consultant Blaine Tech Services, Inc. for the above referenced site. As indicated in the report, ground water samples collected were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) and BTEX. Concentrations of dissolved hydrocarbon constituents in the ground water samples collected were below method detection limits with the exception of the sample collected from C-2. Depth to ground water was measured at approximately 7.6 to 8.4 feet below grade and the direction of flow is to the north-northeast.

and C-1 was dry

The backfilling and compacting at the site has recently been completed. A report documenting all soil sampling and overexcavation activities will be forwarded to your office shortly.

As previously discussed, we will continue the quarterly monitoring and sampling program for monitor wells C-1, C-2, C-3, and C-5 for a period of one year. At that time, all data will be reevaluated to determine appropriate actions.

If you have any questions or comments, please feel free to contact me at (510) 842-8134.

Sincerely,
CHEVRON U.S.A. PRODUCTS COMPANY

Mark A. Miller
Site Assessment and Remediation Engineer

Enclosure

Well C-1 is screened from 5-17' bgs however in ~~Sep~~ Nov 1995, Depth to Well bottom was measured to 7.90' and well was dry - Make necessary repairs to C-1 - M. Miller will see to it!

cc: Ms. Y.M. Byeman

Mr. R.S. Vanderlaan, CREMCO 225/1510

BLAINE
TECH SERVICES INC.

985 TIMOTHY DRIVE
SAN JOSE, CA 95133
(408) 995-5535
FAX (408) 293-8773

December 8, 1995

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

4th Quarter 1995 Monitoring at 9-4463

Fourth Quarter 1995 Groundwater Monitoring at
Chevron Service Station Number 9-4463
1801 Park Street
Alameda, CA

Monitoring Performed on November 7, 1995

Groundwater Sampling Report **951107-S-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 Chevron's Richmond Refinery 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/dk

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	--	--	--	--	--	--
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
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
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
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

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	<0.5
11/07/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5

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
404 N Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Attention: Jim Keller

Client Proj. ID: Chevron 9-4463/951107-S2
Sample Descript: C-2
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9511521-01

Sampled: 11/07/95
Received: 11/08/95

Analyzed: 11/09/95
Reported: 11/15/95

QC Batch Number: GC110995BTEX21A
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**1000**	**1500**
Methyl t-Butyl Ether	**50**	**1200**
Benzene	**10**	**440**
Toluene	10	N.D.
Ethyl Benzene	10	N.D.
Xylenes (Total)	**10**	**67**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	90

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (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 9-4463/951107-S2	Sampled: 11/07/95
985 Timothy Drive	Sample Descript: C-3	Received: 11/08/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 11/10/95
Attention: Jim Keller	Lab Number: 9511521-02	Reported: 11/15/95

QC Batch Number: GC111095BTEX17A
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	N.D.
Methyl t-Butyl Ether	**25**	**5200**
Benzene	5.0	N.D.
Toluene	5.0	N.D.
Ethyl Benzene	5.0	N.D.
Xylenes (Total)	5.0	N.D.
Chromatogram Pattern:		

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 #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
985 Timothy Drive
San Jose, CA 95133

Attention: Jim Keller

Client Proj. ID: Chevron 9-4463/951107-S2
Sample Descript: C-4
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9511521-03

Sampled: 11/07/95
Received: 11/08/95

Analyzed: 11/10/95
Reported: 11/15/95

QC Batch Number: GC111095BTEX21A
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	N.D.
Methyl t-Butyl Ether	**2.5**	**74**
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

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 9-4463/951107-S2
Sample Descript: C-5
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9511521-04

Sampled: 11/07/95
Received: 11/08/95

Analyzed: 11/10/95
Reported: 11/15/95

QC Batch Number: GC111095BTEX17A
Instrument ID: GCHP17

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**	**200**
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	95

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
985 Timothy Drive
San Jose, CA 95133

Attention: Jim Keller

Client Proj. ID: Chevron 9-4463/951107-S2
Sample Descript: TB
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9511521-05

Sampled: 11/07/95
Received: 11/08/95

Analyzed: 11/09/95
Reported: 11/15/95

QC Batch Number: GC110995BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	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	87

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
985 Timothy Drive
San Jose, CA 95133
Attention: Jim Keller

Client Proj. ID: Chevron 9-4463/951107-S2

Lab Proj. ID: 9511521

Received: 11/08/95

Reported: 11/15/95

LABORATORY NARRATIVE

TPPH Note: Sample MW-2 was diluted 20-fold.
Sample MW-3 was diluted 10-fold.

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

Sequoia Analytical

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

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

Client Project ID: Chevron 9-4463/951107-S2
Matrix: Liquid
Work Order #: 9511521 -01

Reported: Nov 15, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC110995BTEX21A	GC110995BTEX21A	GC110995BTEX21A	GC110995BTEX21A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Woo	J. Woo	J. Woo	J. Woo
MS/MSD #:	951123107	951123107	951123107	951123107
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	11/9/95	11/9/95	11/9/95	11/9/95
Analyzed Date:	11/9/95	11/9/95	11/9/95	11/9/95
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.1	9.0	8.7	26
MS % Recovery:	91	90	87	87
Dup. Result:	9.3	9.4	9.3	28
MSD % Recov.:	93	94	93	93
RPD:	2.2	4.3	6.7	7.4
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	BLK102695	BLK102695	BLK102695	BLK102695
Prepared Date:	11/9/95	11/9/95	11/9/95	11/9/95
Analyzed Date:	11/9/95	11/9/95	11/9/95	11/9/95
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	9.6	9.4	9.2	27
LCS % Recov.:	96	94	92	90
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

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

Sequoia Analytical

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

Client Project ID: Chevron 9-4463/951107-S2
Matrix: Liquid
Work Order #: 9511521-02, 04

Reported: Nov 15, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC111095BTEX17A	GC111095BTEX17A	GC111095BTEX17A	GC111095BTEX17A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Woo	J. Woo	J. Woo	J. Woo
MS/MSD #:	951128603	951128603	951128603	951128603
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	11/10/95	11/10/95	11/10/95	11/10/95
Analyzed Date:	11/10/95	11/10/95	11/10/95	11/10/95
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.9	9.7	9.6	28
MS % Recovery:	99	97	96	93
Dup. Result:	9.5	9.7	9.7	29
MSD % Recov.:	95	97	97	97
RPD:	4.1	0.0	1.0	4.2
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	BLK111095	BLK111095	BLK111095	BLK111095
Prepared Date:	11/10/95	11/10/95	11/10/95	11/10/95
Analyzed Date:	11/10/95	11/10/95	11/10/95	11/10/95
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	9.4	9.6	9.4	29
LCS % Recov.:	94	96	94	95
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

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

Sequoia Analytical

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

Client Project ID: Chevron 9-4463/951107-S2
Matrix: Liquid
Work Order #: 9511521-03

Reported: Nov 15, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC111095BTEX21A	GC111095BTEX21A	GC111095BTEX21A	GC111095BTEX21A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Woo	J. Woo	J. Woo	J. Woo
MS/MSD #:	951123108	951123108	951123108	951123108
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	11/10/95	11/10/95	11/10/95	11/10/95
Analyzed Date:	11/10/95	11/10/95	11/10/95	11/10/95
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	9.8	9.7	30
MS % Recovery:	102	98	97	99
Dup. Result:	10	9.9	9.8	30
MSD % Recov.:	103	99	98	101
RPD:	1.0	1.0	1.0	1.3
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	BLK111095	BLK111095	BLK111095	BLK111095
Prepared Date:	11/10/95	11/10/95	11/10/95	11/10/95
Analyzed Date:	11/10/95	11/10/95	11/10/95	11/10/95
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	9.1	8.9	9.0	28
LCS % Recov.:	91	89	90	92

MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

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

Sequoia Analytical

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

Client Project ID: Chevron 9-4463/951107-S2
Matrix: Liquid
Work Order #: 9511521-05

Reported: Nov 15, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC110995BTEX02A	GC110995BTEX02A	GC110995BTEX02A	GC110995BTEX02A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Woo	J. Woo	J. Woo	J. Woo
MS/MSD #:	951123107	951123107	951123107	951123107
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	11/9/95	11/9/95	11/9/95	11/9/95
Analyzed Date:	11/9/95	11/9/95	11/9/95	11/9/95
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.8	9.7	9.7	29
MS % Recovery:	98	97	97	97
Dup. Result:	9.7	9.5	9.5	28
MSD % Recov.:	97	95	95	93
RPD:	1.0	2.1	2.1	3.5
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	BLK102795	BLK102795	BLK102795	BLK102795
Prepared Date:	11/9/95	11/9/95	11/9/95	11/9/95
Analyzed Date:	11/9/95	11/9/95	11/9/95	11/9/95
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	9.1	9.0	9.1	27
LCS % Recov.:	91	90	91	90
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

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 ~~96110S7~~ 951107-52
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) Mark Miller
(Phone) (510) 842-8134
Laboratory Name Sequoia
Laboratory Release Number 3726640
Samples Collected by (Name) SHAWN HOLLIS
Collection Date 11/8/95
Signature
951152

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)	MTBE	Remarks
~~MW-2L-2~~	1	3	W		1003	HCl	Y	X								X	DO NOT BILL FOR TB-LB
~~MW-3L-3~~	2	3			1013			X								X	5 DAY TAT
~~MW-4L-4~~	3	3			1036			X								X	* IMMEDIATELY FAX RESULTS TO MARK MILLER
~~MW-5L-5~~	4	3			1055			X								X	# FAX 510-842-8252
TB	5	2	↓		LAB	↓	↓	X									

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BTS	11/8 1005		SEQ	11/8 10.05
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	SEQ	11/8 1155			
By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
			Tony McMahon		11-8-95 11:51

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

1/HCH

Field
Data
Sheets

WELL GAUGING DATA

Project # 951107-S2 Date 11/7/95 Client 9-44[illegible]3

Site 1801 PARK [illegible] 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					DRY	7.90	TOC
C-2	3					7.85	12.80	
C-3	3					7.60	13.30	
C-4	3					8.38	13.57	
C-5	2					8.30	17.90	

CHEVRON WELL MONITORING DATA SHEET

Project #: 95110752	Station #: 9-4463
Sampler: SHAWN	Start Date: 11/07/98
Well I.D.: ~~MW-1~~ C-1	Well Diameter: (circle one) 2 (3) 4 6 ___
Total Well Depth: Before 7.90 After	Depth to Water: Before DRY After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

1 Case Volume x Specified Volumes = gallons

Purging: ~~Bailer~~
Disposable Bailer
Middleburg
Electric Submersible
Extraction Pump
Other ___

Sampling: ~~Bailer~~
Disposable Bailer
Extraction Port
Other ___

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
0945	DRY; NOT SAMPLED					

Did Well Dewater? If yes, gals. Gallons Actually Evacuated:

Sampling Time: Sampling Date:

Sample I.D.: Laboratory:

Analyzed for: TPH-G BTEX TPH-D OTHER: (Circle)

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for: TPH-G BTEX TPH-D OTHER: (Circle)

CHEVRON WELL MONITORING DATA SHEET

Project #: 9511.0752	Station #: 9-4463
Sampler: SHAWN	Start Date: 11/07/95
Well I.D.: ~~MW-2~~ C-2	Well Diameter: (circle one) 2 (3) 4 6 ____
Total Well Depth: Before 12.60 After	Depth to Water: Before 7.85 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

1.83 (1 Case Volume) x 3 (Specified Volumes) = 5.49 gallons

Purging: Bailer
Disposable Bailer ~~X~~
Middleburg
Electric Submersible ~~X~~
Extraction Pump
Other ____

Sampling: Bailer
Disposable Bailer X
Extraction Port
Other ____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
0950	71.0	6.8	1000	—	2	FOUL ODOR
0954	70.6	7.0	1000	—	4	
0958	71.0	7.0	1000	—	5.5	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 5.5

Sampling Time: 1003 Sampling Date: 11/07/95

Sample I.D.: ~~MW-2~~ C-2 Laboratory: SEQUOIA

Analyzed for: (TPH-G) (BTEX) TPH-D OTHER:
(Circle)

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

CHEVRON WELL MONITORING DATA SHEET

Project #: 95110752	Station #: 9-4463
Sampler: SHAWN	Start Date: 11/07/95
Well I.D.: ~~MW-3~~ C-3	Well Diameter: (circle one) 2 (3) 4 6 ____
Total Well Depth: Before 13.30 After	Depth to Water: Before 7.69 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

2.10 (1 Case Volume) x 3 (Specified Volumes) = 6.32 gallons

Purging: Bailer
Disposable Bailer
Middleburg
Electric Submersible X
Extraction Pump
Other_____

Sampling: Bailer
Disposable Bailer X
Extraction Port
Other_____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1008	70.0	6.8	1000	—	2.5	TREE ROOTS
1009	70.0	6.8	1000	—	5.0	
1010	69.4	6.8	1000	—	6.5	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 6.5

Sampling Time: 1013 Sampling Date: 11/07/95

Sample I.D.: ~~MW-3~~ C-3 Laboratory: SEQUOIA

Analyzed for: (TPH-G) (BTEX) TPH-D OTHER:
(Circle)

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for: TPH-G BTEX TPH-D OTHER:
(Circle)

CHEVRON WELL MONITORING DATA SHEET

Project #: 95110752	Station #: 9-4463
Sampler: SHAWN	Start Date: 11/07/95
Well I.D.: ~~MW-4~~ C-4	Well Diameter: (circle one) 2 (3) 4 6 ___
Total Well Depth: Before 13.57 After	Depth to Water: Before 8.38 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

1.92 (1 Case Volume) x 3 (Specified Volumes) = 5.76 gallons

Purging: Bailer; Disposable Bailer X; Middleburg; Electric Submersible; Extraction Pump; Other ___

Sampling: Bailer; Disposable Bailer X; Extraction Port; Other ___

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1024	71.2	6.8	800	—	2	COUNT UNKNOWN
1029	71.0	6.8	800	—	4	IRON COLOR
1034	71.0	7.0	800	—	6	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 6

Sampling Time: 1038 Sampling Date: 11/07/95

Sample I.D.: ~~MW-4~~ C-4 Laboratory: SEQUOIA

Analyzed for: (TPH-G) (BTEX) TPH-D OTHER: (Circle)

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for: TPH-G BTEX TPH-D OTHER: (Circle)

CHEVRON WELL MONITORING DATA SHEET

Project #: 95110752	Station #: 9-4463
Sampler: SMITH	Start Date: 11/07/95
Well I.D.: ~~MW-5~~ C-5	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 17.90 After	Depth to Water: Before 6.30 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC)	Grade Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

1.53 (1 Case Volume) x 3 (Specified Volumes) = 4.6 gallons

Purging: Bailer; Disposable Bailer X; Middleburg; Electric Submersible; Extraction Pump; Other ____

Sampling: Bailer; Disposable Bailer X; Extraction Port; Other ____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1045	71.8	6.2	800	—	1.6	
1047	71.0	6.4	800	—	3.25	
1049	71.0	6.4	800	—	4.75	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 4.75

Sampling Time: 1055 Sampling Date: 11/07/95

Sample I.D.: ~~MW-5~~ C-5 Laboratory: SEQUOIA

Analyzed for: (TPH-G) (BTEX) TPH-D OTHER:

Duplicate I.D.: Cleaning Blank I.D.:

Analyzed for: TPH-G BTEX TPH-D OTHER: