Chevron

July 3, 1995

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

Site Assessment & Remediation Group
Phone (510) 842-9500

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

#4249

Re: Former Chevron Service Station #9-4612
3616 San Leandro Street, Oakland, CA

Dear Mr. Chan:

Enclosed is the Second Quarter 1995 Groundwater Monitoring report dated June 12, 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 and BTEX. A sample collected from MW-3 was also analyzed for total petroleum hydrocarbons as diesel.

Dissolved concentrations of these constituents observed during the past quarter are consistent with historical results. Depth to ground water was measured at approximately 7.7 to 8.8 feet below grade and the direction of flow is to the southeast.

As indicated in Chevron's letter of September 20, 1994, we have instructed GTI to move forward with the work plan dated March 25, 1994, for additional assessment. As we recently discussed, we would like to move the drilling location for the off site well to the north side of San Leandro Street due to problems with utility locations along the south side of the street. If you have any questions or comments, please feel free to call me at (510) 842-8134.

Sincerely,
CHEVRON U.S.A. PRODUCTS COMPANY

Mark A. Miller
Site Assessment and Remediation Engineer

Enclosure

cc: Ms. B.C. Owen

Mr. Jack Ratto
P.O. Box 6032
Oakland, CA 94603

Mr. Terry McIlraith
407 Castello Road
Lafayette, CA 94549

P:\FILES\SITES\2500-5\94612Q9.DOC

BLAINE
TECH SERVICES INC.

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

June 12, 1995

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

2nd Quarter 1995 Monitoring at 9-4612

Second Quarter 1995 Groundwater Monitoring at
Chevron Service Station Number 9-4612
3616 San Leandro Street
Oakland, CA

Monitoring Performed on May 12, 1995

Groundwater Sampling Report **950512-C-3**

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.

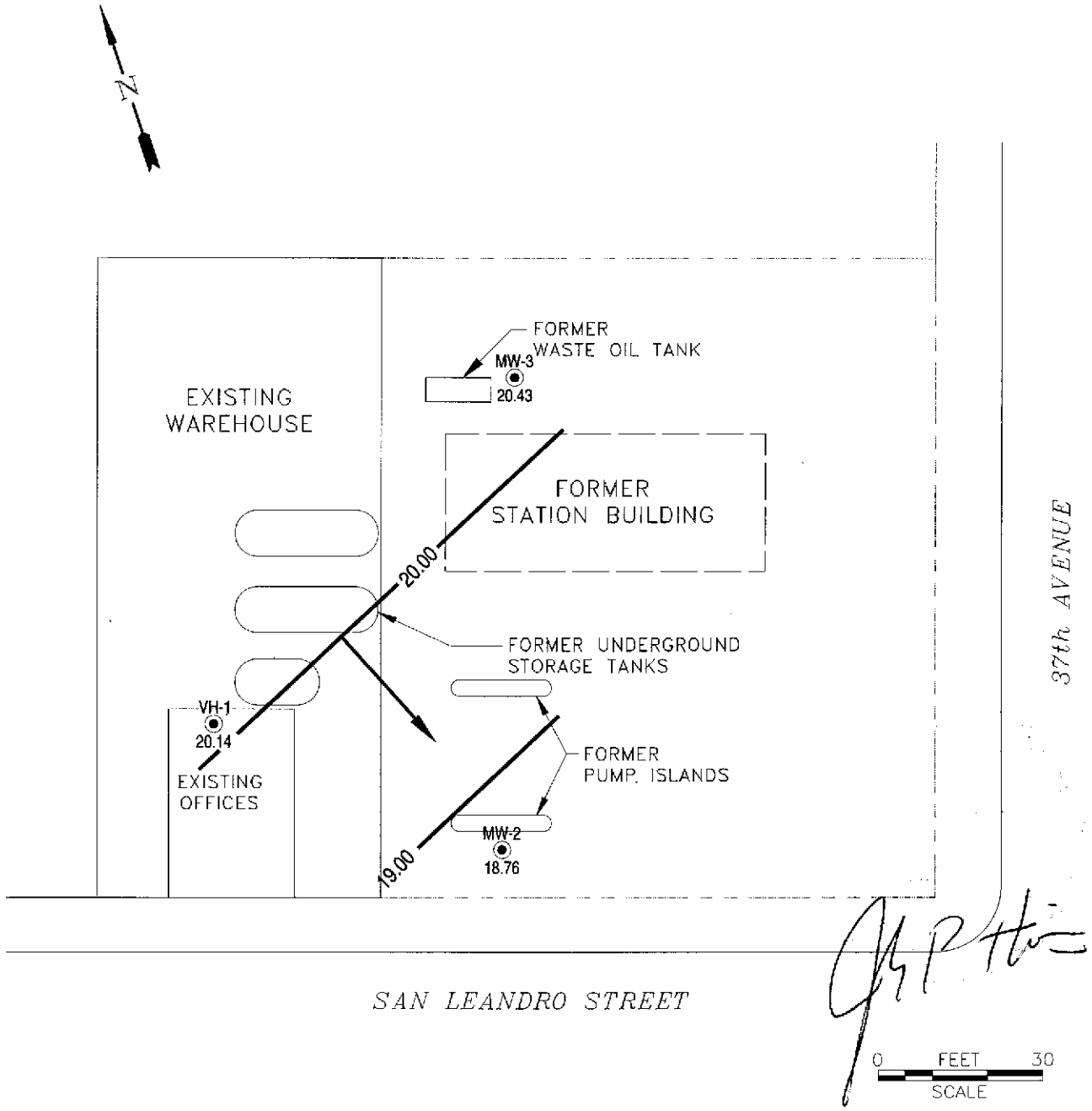
Yours truly,

James Keller
for the Board of Directors

JPK/dk

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

Professional Engineering Appendix



LEGEND

——— - - -	PROPERTY LINE
◉	MONITORING WELL
22.00	POTENTIOMETRIC SURFACE ELEVATION (FT)
⌒	POTENTIOMETRIC SURFACE CONTOUR
←	GROUNDWATER FLOW DIRECTION AND GRADIENT

NOTE:

1. CONTOURS REPRESENT APPROXIMATE ELEVATIONS ABOVE MEAN SEA LEVEL.

Base map from Groundwater Technology, Inc.

CAMBRIA
Environmental Technology, Inc.

Chevron Station 9-4612
3616 San Leandro Street
Oakland, California

\CHEVRON\9-4612\4612-QM.DWG

Ground Water Elevation

May 12, 1995

FIGURE

1

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	TPH-Diesel	TOG	HVOC
VH-1												
08/10/88	--	--	13.00	--	11,000	3300	200	520	540	--	--	--
06/01/89	--	--	10.32	--	15,000	2200	120	540	310	--	--	--
09/15/89	--	--	15.69	--	5600	1900	90	350	160	--	--	--
12/08/89	--	--	14.77	--	11,000	1900	69	270	99	--	--	--
03/07/91	--	--	11.26	--	4500	820	39	120	77	--	--	--
09/24/91	--	--	12.98	--	3300	520	19	39	27	--	--	--
01/08/92	--	--	13.77	--	5000	600	34	81	76	--	--	--
04/20/92	--	--	8.18	--	7400	670	60	110	140	--	--	--
03/26/93	27.85	21.14	6.71	--	4900	600	40	72	94	--	--	--
05/27/93	27.85	19.27	8.58	--	13,000	1600	120	230	220	--	--	--
08/18/93	27.85	17.39	10.46	--	2700	210	10	8.1	18	--	--	--
11/03/93	27.85	15.28	12.57	--	4600	680	42	35	68	--	--	--
02/10/94	27.85	18.77	9.08	--	1900	260	19	22	29	--	--	--
05/12/94	27.85	19.76	8.09	--	2000	390	28	3.9	29	--	--	--
08/26/94	27.85	17.10	10.75	--	4900	500	<5.0	23	31	--	--	--
11/14/94	27.85	18.40	9.45	--	760	69	<2.0	<2.0	2.2	300	--	--
02/01/95	27.85	21.88	5.97	--	1300	120	5.9	<0.5	13	--	--	--
05/12/95	27.85	20.14	7.71	--	4400	460	31	45	49	--	--	--

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	TPH-Diesel	TOG	HVOC
MW-2												
02/16/93	27.51	--	--	--	9200	720	110	250	170	--	--	--
03/26/93	27.51	19.89	7.62	--	--	--	--	--	--	--	--	--
05/27/93	27.51	18.04	9.47	--	360	5.3	2.1	1.8	2.5	--	--	--
08/18/93	27.51	16.46	11.05	--	9400	1100	76	110	100	--	--	--
11/03/93	27.51	14.56	12.95	--	8600	390	20	2.7	120	--	--	--
02/10/94	27.51	17.72	9.79	--	2700	370	38	44	41	--	--	--
05/12/94	27.51	18.59	8.92	--	3800	650	76	15	62	--	--	--
08/26/94	27.51	16.14	11.37	--	16,000	1300	270	28	120	--	--	--
11/14/94	27.51	17.48	10.03	--	5100	390	10	43	27	--	--	--
02/01/95	27.51	20.47	7.04	--	6900	520	82	170	110	--	--	--
05/12/95	27.51	18.76	8.75	--	7700	510	83	110	100	--	--	--
MW-3												
02/16/93	28.50	--	--	--	3500	<0.5	8.1	4.6	7.7	--	--	--
03/26/93	28.50	21.32	7.18	--	--	--	--	--	--	--	--	--
05/27/93	28.50	19.17	9.33	--	4200	580	84	150	100	--	--	--
08/18/93	28.50	16.50	12.00	--	910	12	3.7	6.2	3.8	1400	<5000	ND
11/03/93	28.50	15.21	13.29	--	5300	29	1.9	0.6	27	--	--	--
02/10/94	28.50	18.87	9.63	--	63	<0.5	0.7	<0.5	<0.5	<50	--	--
05/12/94	28.50	19.73	8.77	--	<50	<0.5	0.5	<0.5	<0.5	84	--	--
08/26/94	28.50	17.08	11.42	--	2100	12	<0.5	5.0	0.5	--	--	--
11/14/94	28.50	18.43	10.07	--	140	0.78	<0.5	<0.5	<0.5	--	--	--
02/01/95	28.50	22.21	6.29	--	<50	<0.5	<0.5	<0.5	<0.5	<50	--	--
05/12/95	28.50	20.43	8.07	--	330	13	1.1	1.9	0.69	540*	--	--

* 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	TPH-Diesel	TOG	HVOC
TRIP BLANK												
05/27/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--
08/18/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	1400	<5000	ND
11/03/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
02/10/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<50	--	--
05/12/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	84	--	--
08/26/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
11/14/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
02/01/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--
05/12/95	--	--	--	--	<50	<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 1, 1994.
Earlier field data and analytical results are drawn from the September 27, 1994 Groundwater Technology, Inc. report.

ABBREVIATIONS:
TPH = Total Petroleum Hydrocarbons

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	Client Proj. ID: Chevron 9-4612/ 950512C3	Sampled: 05/12/95
985 Timothy Drive	Sample Descript: VH1	Received: 05/15/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/19/95
Attention: Jim Keller	Lab Number: 9505A36-01	Reported: 05/23/95

QC Batch Number: GC051995BTEX07A
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	1250	4400
Benzene	12	460
Toluene	12	31
Ethyl Benzene	12	45
Xylenes (Total)	12	49
Chromatogram Pattern:		Gas

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	141 Q

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
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	Client Proj. ID: Chevron 9-4612/ 950512C3	Sampled: 05/12/95
985 Timothy Drive	Sample Descript: MW2	Received: 05/15/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/19/95
Attention: Jim Keller	Lab Number: 9505A36-02	Reported: 05/23/95

QC Batch Number: GC051995BTEX07A
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**1000**	**7700**
Benzene	**10**	**510**
Toluene	**10**	**83**
Ethyl Benzene	**10**	**110**
Xylenes (Total)	**10**	**100**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	200 Q

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
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	Client Proj. ID: Chevron 9-4612/ 950512C3	Sampled: 05/12/95
985 Timothy Drive	Sample Descript: MW3	Received: 05/15/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/18/95
Attention: Jim Keller	Lab Number: 9505A36-03	Reported: 05/23/95

QC Batch Number: GC051895BTEX07A
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**50**	**330**
Benzene	**0.50**	**13**
Toluene	**0.50**	**1.1**
Ethyl Benzene	**0.50**	**1.9**
Xylenes (Total)	**0.50**	**0.69**
Chromatogram Pattern:		**Gas**

Surrogates	**Control Limits %**		**% Recovery**
Trifluorotoluene	70	130	108

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
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	Client Proj. ID: Chevron 9-4612/ 950512C3	Sampled: 05/12/95
985 Timothy Drive	Sample Descript: MW3	Received: 05/15/95
San Jose, CA 95133	Matrix: LIQUID	Extracted: 05/16/95
	Analysis Method: EPA 8015 Mod	Analyzed: 05/17/95
Attention: Jim Keller	Lab Number: 9505A36-03	Reported: 05/23/95

QC Batch Number: GC0516950HBPEXZ
Instrument ID: GCHP4B

Total Extractable Petroleum Hydrocarbons (TEPH)

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	**50**	**540**
Chromatogram Pattern:		
Unidentified HC		**C9-C24**

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

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	Client Proj. ID: Chevron 9-4612/ 950512C3	Sampled: 05/12/95
985 Timothy Drive	Sample Descript: TB	Received: 05/15/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 05/18/95
Attention: Jim Keller	Lab Number: 9505A36-04	Reported: 05/23/95

QC Batch Number: GC051895BTEX07A
Instrument ID: GCHP07

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	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
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 9-4612/ 950512C3

Lab Proj. ID: 9505A36

Received: 05/15/95

Reported: 05/23/95

LABORATORY NARRATIVE

TPPH Note: Sample 9505A36-01 was diluted 25-fold.
SAmple 9505A36-02 was diluted 20-fold.

Q = High surrogate recoveries due to coelution.

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

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

Client Project ID: Chevron 9-4612, 950512C3
Matrix: Liquid
Work Order #: 9505A36 -01-02

Reported: May 25, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC051995BTEX07A	GC051995BTEX07A	GC051995BTEX07A	GC051995BTEX07A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	G. Garcia	G. Garcia	G. Garcia	G. Garcia
MS/MSD #:	9505A3703	9505A3703	9505A3703	9505A3703
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/19/95	5/19/95	5/19/95	5/19/95
Analyzed Date:	5/19/95	5/19/95	5/19/95	5/19/95
Instrument I.D.#:	GCHP7	GCHP7	GCHP7	GCHP7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.9	9.9	9.9	29
MS % Recovery:	99	99	99	97
Dup. Result:	9.6	10	9.8	30
MSD % Recov.:	96	100	98	100
RPD:	3.1	1.0	1.0	3.4
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
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

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

Client Project ID: Chevron 9-4612, 950512C3
Matrix: Liquid
Work Order #: 9505A36-03-04

Reported: May 25, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC051895BTEX07A	GC051895BTEX07A	GC051895BTEX07A	GC051895BTEX07A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	R. Lee	R. Lee	R. Lee	R. Lee
MS/MSD #:	950597905	950597905	950597905	950597905
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/18/95	5/18/95	5/18/95	5/18/95
Analyzed Date:	5/18/95	5/18/95	5/18/95	5/18/95
Instrument I.D.#:	GCHP7	GCHP7	GCHP7	GCHP7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.1	8.9	8.9	26
MS % Recovery:	91	89	89	87
Dup. Result:	9.9	10	9.9	29
MSD % Recov.:	99	100	99	97
RPD:	8.4	12	11	11
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
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

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 Tech Services, Inc.	Client Project ID:	Chevron 9-4612, 950512C3	
985 Timothy Drive	Matrix:	Liquid	
San Jose, CA 95133			
Attention: Jim Keller	Work Order #:	9505A36-03	Reported: May 25, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Diesel
QC Batch#:	GC0516950HBPEXZ
Analy. Method:	EPA 8015 M
Prep. Method:	EPA 3520
Analyst:	B. Ali
MS/MSD #:	950594702
Sample Conc.:	N.D.
Prepared Date:	5/16/95
Analyzed Date:	5/17/95
Instrument I.D.#:	GCHP4
Conc. Spiked:	600 µg/L
Result:	560
MS % Recovery:	93
Dup. Result:	530
MSD % Recov.:	88
RPD:	5.5
RPD Limit:	0-50

LCS #:	BLK051695
Prepared Date:	5/16/95
Analyzed Date:	5/17/95
Instrument I.D.#:	GCHP4
Conc. Spiked:	600 µg/L
LCS Result:	310
LCS % Recov.:	52

MS/MSD LCS Control Limits	38-122

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 9-4612
Facility Address 3616 San Leandro St., Oakland, CA
Consultant Project Number 9505I2C3
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 2172660
Samples Collected by (Name) MICHAEL S. BRODERICK
Collection Date 5-12-95
Signature Michael S. Broderick

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	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)						DO NOT BILL FOR TB-LB 9505A36 Remarks
VH1	1A-C	3	W	D	1529	HCL	Y	X													
MW2	2A-C	3	"	"	1550	HCL	"	X													
MW3	3A-E	5	↓	↓	1443	HCL	↓	X	X												
TB	4AB	2	W	D		HCL	X	X													

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Turn Around Time (Circle Choice)
	BTS	5/15/95 1025		Sequoia	5/15/95 1025	24 Hrs.
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	48 Hrs.
	Sequoia	5/15/95 1155				5 Days
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	10 Days
					5/15/95 1155	As Contracted

Field
Data
Sheets

WELL GAUGING DATA

Project # 9505I2C3 Date 5-12-95 Client CHEVRON

Site 3616 SAN LEANDRO ST., OAKLAND, 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
VH1	4	ODOR				7.71	28.64	TOC
MW2	2					8.75	19.55	↓
MW3	2					[illegible]	[illegible]	↓
						8.07	20.02	

CHEVRON WELL MONITORING DATA SHEET

Project #: 9505121C3	Station # 9-4612
Sampler: SCOTT BRODERICK	Data Sampled: 5-12-95
Well I.D.: VH1	Well Diameter: (circle one) 2 3 (4) 6 ___
Total Well Depth: Before 28.64 After	Depth to Water: Before 7.71 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade Other --	

13.6	x	3	=	40.8
1 Case Volume		Specified Volumes		gallons

Purging: Bailer
Middleburg
(Electric Submersible)
Suction Pump
Type of Installed Pump ____

Sampling: (Bailer) ~~Bailer~~ DISPOS
Middleburg
Electric Submersible
Suction Pump
Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1519	65.2	7.2	1000	—	14	ODOR
1521	65.4	7.1	1000	—	28	
1524	66.0	7.2	1000	—	41	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 41

Sampling Time: 1529

Sample I.D.: VH1 Laboratory: SEQ

Analyzed for: TPHG, BTEX

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

Analyzed for:

Shipping Notations:

Additional Notations: TD 28.64 HAS BEEN DOUBLE CHECKED

CHEVRON WELL MONITORING DATA SHEET

Project #: 9505263	Station # 9-4612
Sampler: SCOTT BRODERICK	Date Sampled: 5-12-95
Well I.D.: MW2	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 19.95 After	Depth to Water: Before 8.75 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other --

1.8	x	3	=	5.4
1 Case Volume		Specified Volumes		gallons

Purging: (Bailer) DISPOS.
Middleburg
Electric Submersible
Suction Pump
Type of Installed Pump _____

Sampling: (Bailer) DISPOS.
Middleburg
Electric Submersible
Suction Pump
Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1541	64.4	7.4	1000	—	2	
1544	63.8	7.3	1000	—	4	
1547	64.0	7.2	1000	—	6	

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

Sampling Time: 1550

Sample I.D.: MW2 Laboratory: SEQ.

Analyzed for: TPHG, BTEX

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

Analyzed for:

Shipping Notations:

Additional Notations:

CHEVRON WELL MONITORING DATA SHEET

Project #: 9505121C3	Station # 9-4612
Sampler: SCOTT BRODERICK	Date Sampled: 5-12-95
Well I.D.: MW3	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 20.02 After	Depth to Water: Before 8.07 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade Other --	

1.9 (1 Case Volume) x 3 (Specified Volumes) = 5.7 gallons

Purging: (Bailer) DISPOS. / Middleburg / Electric Submersible / Suction Pump / Type of Installed Pump ____

Sampling: (Bailer) DISPOS. / Middleburg / Electric Submersible / Suction Pump / Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1431	62.6	7.3	800	—	2	
1435	62.2	7.1	800	—	4	
1438	62.0	7.1	850	—	6	

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

Sampling Time: 1443

Sample I.D.: MW3 Laboratory: SEQ.

Analyzed for: TPHG, BTEX, TPHD

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

Analyzed for:

Shipping Notations:

Additional Notations: