



August 2, 1995

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

Ms. Susan Hugo  
Alameda County Environmental Health  
1131 Harbor Bay Parkway, #250  
Alameda, CA 94502-6577

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

Re: Chevron Service Station # 9-1740  
550 Moraga Avenue  
Oakland, CA 94611


Dear Ms. Hugo:

Please find attached the second quarter 1995 quarterly groundwater sampling report prepared by Blaine Tech. Services, dated July 14, 1995, describing the results of the sampling event performed on June 15, 1995.

The groundwater samples collected by Blaine Tech. were analyzed for the presence of TPH-G and BTEX constituents. The results obtained during this sampling event were consistent with previous events at this site. This site has 3 wells on it which are included in the sampling events.

Chevron will continue monitoring and sampling this site on the current quarterly schedule. If you have any questions regarding this site, please call me. My number is 510 842-9449.

Sincerely,

  
Tammy L. Hodge  
Groundwater Coordinator  
Site Assessment and Remediation

Enclosure:

cc: Mr. Eddy So, RWQCB- S.F. Bay Region  
Mr. Steve Willer, Chevron Property Development  
File # 9-1740

RECEIVED  
SEP 14 1995  
5:50 PM  
S&R



# BLAINE TECH SERVICES INC.

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

July 14, 1995

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

## 2nd Quarter 1995 Monitoring at 9-1740

Second Quarter 1995 Groundwater Monitoring at  
Chevron Service Station Number 9-1740  
6550 Moraga Avenue  
Oakland, CA

Monitoring Performed on June 15, 1995

---

### Groundwater Sampling Report 950615-D-1

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.

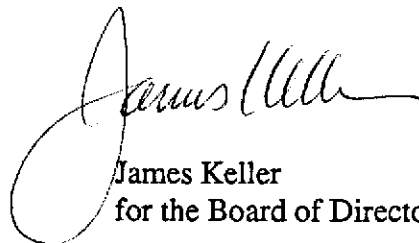
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**. The table also contains new groundwater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

A handwritten signature in cursive script, appearing to read "James Keller".

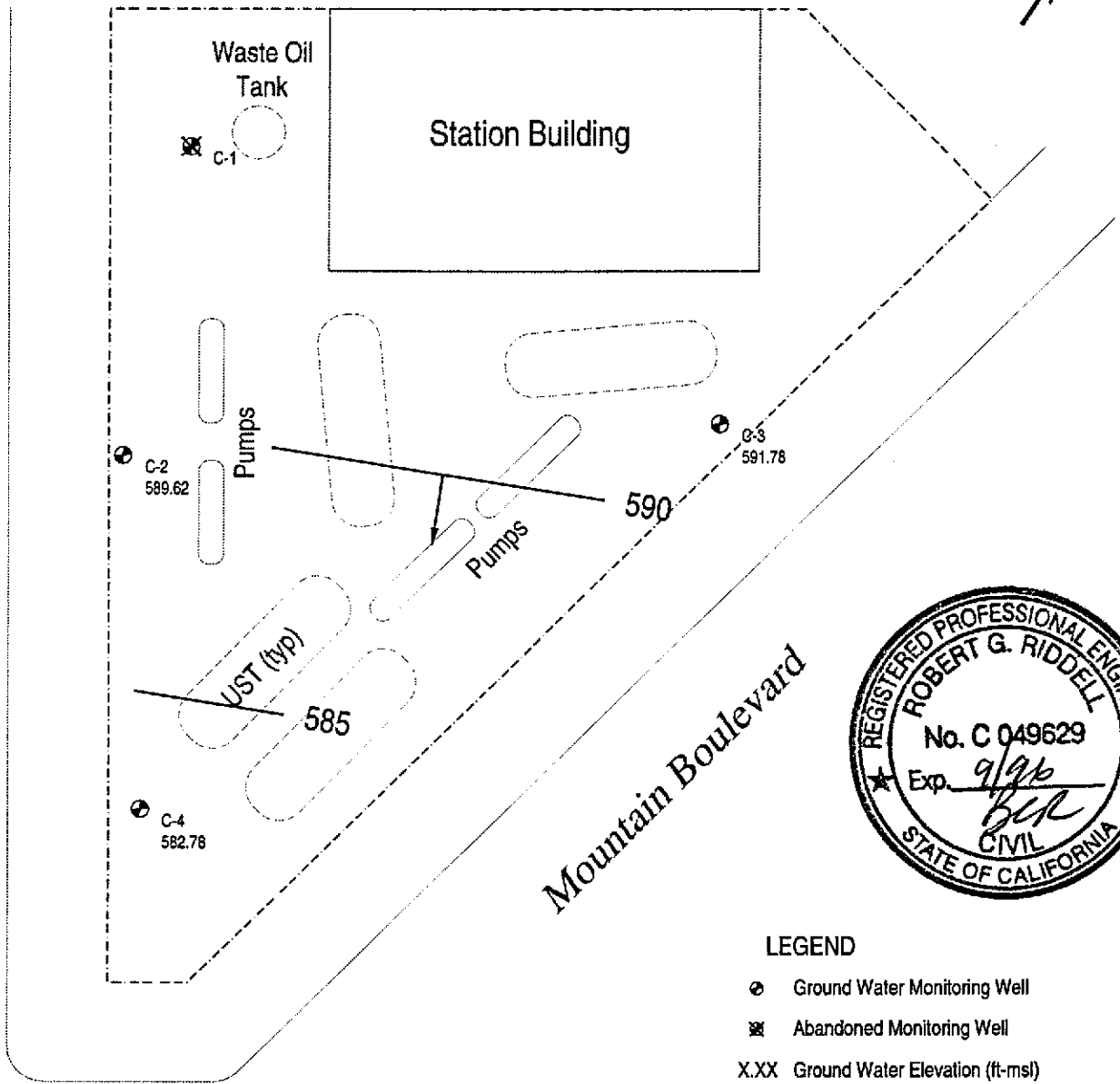
James Keller  
for the Board of Directors

JPK/dk

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

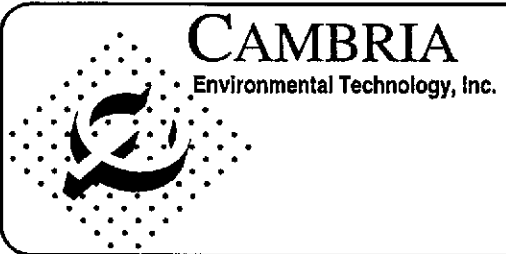
# **Professional Engineering Appendix**

Moraga Avenue



LEGEND

- ⊙ Ground Water Monitoring Well
- ⊗ Abandoned Monitoring Well
- X.XX Ground Water Elevation (ft-msl)
- - - Ground Water Elevation Contour
- Ground Water Flow Direction



Chevron Station 9-1740  
6550 Moraga Avenue  
Oakland, California

F:\PROJECT\CHEVRON9-1740\1740-QM.DWG

Ground Water Elevation  
June 15, 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
<b>C-1</b>									
03/25/91	595.82	592.54	3.28	--	54	0.7	<0.5	<0.5	2.0
07/01/91	595.82	592.39	3.43	--	730	250	3.0	16	4.8
09/25/91	595.82	591.67	4.15	--	160	68	1.3	6.1	1.3
12/23/91	595.82	592.11	3.71	--	170	70	1.6	3.5	2.4
03/24/92	595.82	592.80	3.02	--	60	39	4.4	3.9	9.1
06/23/92	595.82	592.06	3.76	--	60	19	1.1	1.1	1.0
09/30/92	595.82	--	--	--	--	--	--	--	--
<b>C-2</b>									
03/25/91	594.57	571.68	22.89	--	<50	1.0	<0.5	<0.5	2.0
07/01/91	594.57	587.20	7.37	--	660	190	2.5	28	22
09/25/91	594.57	587.59	6.98	--	110	200	1.9	21	1.7
12/23/91	594.57	589.56	5.01	--	<50	1.2	1.2	<0.5	1.8
03/24/92	594.57	577.30	17.27	--	100	5.9	7.9	4.0	14
06/23/92	594.57	590.75	3.82	--	190	45	4.5	9.5	10
09/30/92	594.57	580.56	14.01	--	240	99	2.3	11	6.1
12/16/92	594.57	580.05	14.52	--	280	160	6.2	7.4	5.0
03/30/93	594.57	583.49	11.08	--	110	21	<0.5	0.8	<1.5
06/10/93	594.57	583.08	11.49	--	180	53	2.6	8.0	5.8
09/02/93	594.57	580.49	14.08	--	51	18	0.8	4.4	<1.5
12/06/93	594.57	579.87	14.70	--	<50	20	1.3	2.7	<0.5
03/02/94	594.57	579.70	14.87	--	<50	9.9	1.6	<0.5	0.8
06/03/94	594.57	579.35	15.22	--	440	300	2.7	61	2.1
09/07/94	594.57	587.27	7.30	--	80	30	<0.5	1.6	<0.5
12/06/94	594.57	589.29	5.28	--	120	51	<0.5	4.7	<0.5
03/31/95	594.57	589.13	5.44	--	770	250	<5.0	74	<5.0
06/15/95	594.57	589.62	4.95	--	240	76	<1.0	26	<1.0

## 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	Analytical results are in parts per billion (ppb)				
					TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>C-3</b>									
03/25/91	597.14	591.98	5.16	--	<50	<0.5	<0.5	<0.5	0.5
07/01/91	597.14	591.30	5.84	--	<50	<0.5	<0.5	<0.5	<0.5
09/25/91	597.14	591.20	5.94	--	<50	<0.5	<0.5	<0.5	<0.5
12/23/91	597.14	591.20	5.94	--	<50	1.0	<0.5	<0.5	1.5
03/24/92	597.14	592.37	4.77	--	<50	<0.5	<0.5	<0.5	<0.5
06/23/92	597.14	591.47	5.67	--	<50	0.9	1.1	0.5	1.6
09/30/92	597.14	590.84	6.30	--	<50	<0.5	<0.5	<0.5	<0.5
12/16/92	597.14	591.57	5.57	--	<50	<0.5	<0.5	<0.5	<0.5
03/30/93	597.14	592.08	5.06	--	<50	<0.5	<0.5	<0.5	<1.5
06/10/93	597.14	591.85	5.29	--	<50	0.6	1.9	0.6	3.5
09/02/93	597.14	591.22	5.92	--	<50	<0.5	<0.5	<0.5	<1.5
12/06/93	597.14	591.38	5.76	--	<50	<0.5	0.6	<0.5	<0.5
03/02/94	597.14	591.97	5.17	--	<50	<0.5	<0.5	<0.5	<0.5
06/03/94	597.14	591.74	5.40	--	<50	<0.5	<0.5	<0.5	<0.5
09/07/94	597.14	591.14	6.00	--	<50	<0.5	<0.5	<0.5	<0.5
12/06/94	597.14	591.95	5.19	--	<50	<0.5	0.8	<0.5	<0.5
03/31/95	597.14	592.04	5.10	--	<50	<0.5	<0.5	<0.5	<0.5
06/15/95	597.14	591.78	5.36	--	<50	<0.5	<0.5	<0.5	<0.5



## 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
<b>C-4</b>									
03/25/91	593.10	588.65	4.45	--	2700	240	16	<0.5	350
07/01/91	593.10	587.77	5.33	--	7900	1500	230	340	350
09/25/91	593.10	587.60	5.50	--	3200	850	160	150	220
12/23/91	593.10	588.18	4.92	--	4100	390	52	42	340
03/24/92	593.10	589.06	4.19	Free Product (0.19')	--	--	--	--	--
06/23/92	593.10	588.43	4.91	Free Product (0.30')	--	--	--	--	--
09/30/92	593.10	584.44	8.66	--	450	97	14	12	29
12/16/92	593.10	583.30	9.80	--	590	130	18	5.6	29
03/30/93	593.10	583.20	10.00	Free Product (0.12')	--	--	--	--	--
06/10/93	593.10	583.46	9.64	--	1300	290	36	17	73
09/02/93	593.10	583.02	10.08	--	630	97	12	6.6	21
12/06/93	593.10	582.85	10.25	--	1900	600	68	27	130
03/02/94	593.10	584.36	8.74	--	2600	1200	110	43	180
06/03/94	593.10	583.27	9.83	--	780	180	13	8.5	26
09/07/94	593.10	582.80	10.30	--	<50	14	<0.5	0.7	<0.5
12/06/94	593.10	583.90	9.20	--	980	270	21	12	38
03/31/95	593.10	582.86	10.24	--	1500	450	25	11	49
06/15/95	593.10	582.78	10.32	--	960	250	15	4.5	37

## 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
<b>TRIP BLANK</b>									
03/25/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
07/01/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
09/25/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
12/23/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
03/24/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
06/23/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
09/30/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
12/16/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
03/30/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5
06/10/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5
09/02/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5
12/06/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
03/02/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
06/03/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
09/07/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
12/06/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
03/31/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
06/15/95	--	--	--	--	<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 March 31, 1995.  
Earlier field data and analytical results provided by Sierra Environmental.

**ABBREVIATIONS:**

TPH = Total Petroleum Hydrocarbons

# Analytical Appendix



Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-1740/ 950615-D1 Sample Descript: C-2 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9506A69-01	Sampled: 06/15/95 Received: 06/16/95 Analyzed: 06/19/95 Reported: 06/23/95
--	---	---

QC Batch Number: GC061995BTEX07A  
Instrument ID: GCHP07

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

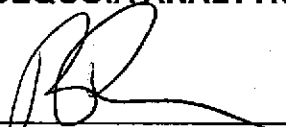
Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	100	240
Benzene	1.0	76
Toluene	1.0	N.D.
Ethyl Benzene	1.0	26
Xylenes (Total)	1.0	N.D.
Chromatogram Pattern:		Gas

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





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-1740/ 950615-D1 Sample Descript: C-3 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9506A69-02	Sampled: 06/15/95 Received: 06/16/95 Analyzed: 06/20/95 Reported: 06/23/95
Attention: Jim Keller		


QC Batch Number: GC062095BTEX07A  
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:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	82

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

**SEQUOIA ANALYTICAL** - ELAP #1210

  
Peggy Penner  
Project Manager





Blaine Technical Services  
985 Timothy Drive  
San Jose, CA 95133

Client Proj. ID: Chevron 9-1740/ 950615-D1  
Sample Descript: C-4  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9506A69-03

Sampled: 06/15/95  
Received: 06/16/95  
Analyzed: 06/21/95  
Reported: 06/23/95

QC Batch Number: GC062195BTEX07A  
Instrument ID: GCHP07

**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	250	960
Benzene	2.5	250
Toluene	2.5	15
Ethyl Benzene	2.5	4.5
Xylenes (Total)	2.5	37
Chromatogram Pattern:		Gas
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	125

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner  
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-1740/ 950615-D1 Sample Descript: TB Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9506A69-04	Sampled: 06/15/95 Received: 06/16/95 Analyzed: 06/19/95 Reported: 06/23/95
--	--	---

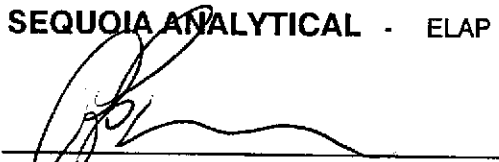
QC Batch Number: GC061995BTEX07A  
Instrument ID: GCHP07

**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:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
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

680 Chesapeake Drive  
404 N. Wiget Lane  
819 Striker Avenue, Suite 8

Redwood City, CA 94063  
Walnut Creek, CA 94598  
Sacramento, CA 95834

(415) 364-9600  
(510) 988-9600  
(916) 921-9600

FAX (415) 364-9233  
FAX (510) 988-9673  
FAX (916) 921-0100

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

Client Proj. ID: Chevron 9-1740/ 950615-D1

Received: 06/16/95

Lab Proj. ID: 9506A69

Reported: 06/23/95

## LABORATORY NARRATIVE

TPPH Note: Sample 9506A69-01 was diluted 2-fold.  
Sample 9506A69-03 was diluted 5-fold.

SEQUOIA ANALYTICAL

Peggy Penner  
Project Manager







Blaine Tech Services, Inc. Client Project ID: Chevron 9-1740/950615-D1  
 985 Timothy Drive Matrix: Liquid  
 San Jose, CA 95133  
 Attention: Jim Keller Work Order #: 9506A69 -01, 04 Reported: Jun 28, 1995

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC061995BTEX07A	GC061995BTEX07A	GC061995BTEX07A	GC061995BTEX07A
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 #:	950669102	950669102	950669102	950669102
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/19/95	6/19/95	6/19/95	6/19/95
Analyzed Date:	6/19/95	6/19/95	6/19/95	6/19/95
Instrument I.D.#:	GCHP7	GCHP7	GCHP7	GCHP7
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	33
MSD % Recov.:	110	110	110	110
RPD:	0.0	0.0	0.0	0.0
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

**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**  
  
 Peggy Penner  
 Project Manager

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

9506A69.BLA <1>





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

Client Project ID: Chevron 9-1740/950615-D1  
 Matrix: Liquid

Work Order #: 9506A69-02-03

Reported: Jun 28, 1995

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC062095BTEX07A	GC062095BTEX07A	GC062095BTEX07A	GC062095BTEX07A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	S. Mann	S. Mann	S. Mann	S. Mann
MS/MSD #:	950654204	950654204	950654204	950654204
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/20/95	6/20/95	6/20/95	6/20/95
Analyzed Date:	6/20/95	6/20/95	6/20/95	6/20/95
Instrument I.D.#:	GCHP7	GCHP7	GCHP7	GCHP7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	8.1	8.1	8.0	24
MS % Recovery:	81	81	80	80
Dup. Result:	8.7	8.3	8.5	26
MSD % Recov.:	87	83	85	87
RPD:	7.1	2.4	6.1	8.0
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

Reggy Fenner  
 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

9506A69.BLA <2>



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 <u>9-1740</u>	Chevron Contact (Name) <u>Tammy Hodge</u>
	Facility Address <u>6550 Moraga Ave., Oakland, CA</u>	(Phone) <u>(510) 842-9449</u>
	Consultant Project Number <u>950615-D1</u>	Laboratory Name <u>Sequoia</u>
	Consultant Name <u>Blaine Tech Services, Inc.</u>	Laboratory Release Number <u>2768201</u>
	Address <u>985 Timothy Dr., San Jose, CA 95133</u>	Sample Collected by (Name) <u>MIKE DILLOUGHERY</u>
	Project Contact (Name) <u>Jim Keller</u>	Collection Date <u>6-15-95</u>
	(Phone) <u>(408) 995-5535</u> (Fax Number) <u>293-8773</u>	Signature <u>M. P. Dilloughery</u>

Sample Number	Lab Sample Number	Number of Containers	Matrix		Time	Sample Preservation	Lead (Yes or No)	Analyses To Be Performed										Remarks				
			S = Soil	W = Water				A = Air	C = Charcoal	Type	G = Grab	C = Composite	D = Discrete	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Hydrocarbons (8010)		Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)
C-2		3	W	D	1450	HCL	Y	X													01	
C-3		3			1425			X														02
C-4		3			1510			X														03
TB		2						X														04

Relinquished By (Signature) <u>M. P. Dilloughery</u>	Organization <u>BTS</u>	Date/Time <u>6/16/95 1100</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>SEA</u>	Date/Time <u>6/16/95 1100</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days <u>As Contracted</u>
Relinquished By (Signature) <u>[Signature]</u>	Organization <u>SEA</u>	Date/Time <u>6/16/95 1100</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>Sequoia</u>	Date/Time <u>6/16/95 1300</u>	
Relinquished By (Signature) <u>[Signature]</u>	Organization <u>Sequoia</u>	Date/Time <u>6/16/95 1300</u>	Received For Laboratory By (Signature) <u>[Signature]</u>	Organization <u>Sequoia</u>	Date/Time <u>6/16/95 1300</u>	

33 81/MCH

# **Field Data Sheets**



# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950615-D1</u>	Station #: <u>9-1740</u>
Sampler: <u>MD</u>	Start Date: <u>6-15-95</u>
Well I.D.: <u>C-2</u>	Well Diameter: (circle one) <u>2</u> 3 4 6
Total Well Depth: Before <u>27.95</u> After	Depth to Water: Before <u>4.95</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>VVC</u>	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

$$\frac{3.7}{1 \text{ Case Volume}} \times \frac{3}{\text{Specified Volumes}} = \frac{11.0}{\text{gallons}}$$

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:
1435	60.6	7.0	1000	—	4	
1440	59.8	7.0	1100	—	8	
1445	60.2	7.0	1000	—	11	

Did Well Dewater?  If yes, gals.      Gallons Actually Evacuated: 11.0

Sampling Time: 1450      Sampling Date: 6-15

Sample I.D.: C-2      Laboratory: SEQ

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

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

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

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950615-D1</u>	Station #: <u>9-1940</u>
Sampler: <u>BD</u>	Start Date: <u>6-15</u>
Well I.D.: <u><del>C-3</del> C-3</u>	Well Diameter: (circle one) <u>(2) 3 4 6</u>
Total Well Depth: Before <u>24.88</u> After	Depth to Water: Before <u>5.36</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>(PVC)</u>	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

<u>3.1</u>	x	<u>3</u>	=	<u>9.4</u>
1 Case Volume		Specified Volumes		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:
1410	64.8	7.0	750	—	3.0	
1418	62.2	7.0	800	—	6.0	
1421	62.8	7.0	800	—	9.5	

Did Well Dewater? N If yes, gals. Gallons Actually Evacuated: 9.5

Sampling Time: 1425 Sampling Date: 6-15-95

Sample I.D.: ~~BD~~ C-3 Laboratory: SEA

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

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

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

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950615-D1</u>	Station #: <u>9-1740</u>
Sampler: <u>MD</u>	Start Date: <u>6-15-95</u>
Well I.D.: <u>C-4</u>	Well Diameter: (circle one) <u>2</u> 3 4 6
Total Well Depth: Before <u>24.82</u> After	Depth to Water: Before <u>10.32</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>PVC</u>	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

$$\frac{2.3}{1 \text{ Case Volume}} \times \frac{3}{\text{Specified Volumes}} = \frac{6.9}{\text{gallons}}$$

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:
1500	63.2	7.0	1000	—	3	
1502	62.0	7.0	800	—	5	
1505	62.4	7.0	850	—	7	

Did Well Dewater?  If yes, gals. Gallons Actually Evacuated: 7.0

Sampling Time: 1510 Sampling Date: 6-15-95

Sample I.D.: C-4 Laboratory: SEA

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

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

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