



**Chevron**

ENVIRONMENTAL  
PROTECTION

July 19, 1996

96 JUL 23 AM 9:00

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

**Chevron U.S.A. Products Company**  
2410 Camino Ramon  
San Ramon, CA 94583  
P.O. Box 5004  
San Ramon, CA 94583-0804

**Marketing Department**  
Phone 510 842 9500


**Re: Former Chevron Service Station # 9-1723  
9757 San Leandro Blvd.  
San Leandro, California**

Dear Ms. Chu:

Enclosed is a copy of the Second Quarter Groundwater Monitoring report for 1996 that was prepared by our consultant Blaine Tech Services. Monitoring wells MW-5, MW-6 and MW-8 were sampled and analyzed for TPH-g, BTEX and MTBE. Concentrations of benzene constituents decreased in monitoring well MW5, increased in MW-8 and were about the same in MW-6 from the previous report. There is no explanation for the increase in MW-8, but it could be an anomaly in the sampling and future sampling results may be expected to decrease to previous levels.

Chevron will continue to monitor the site in accordance with previous guidelines. 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

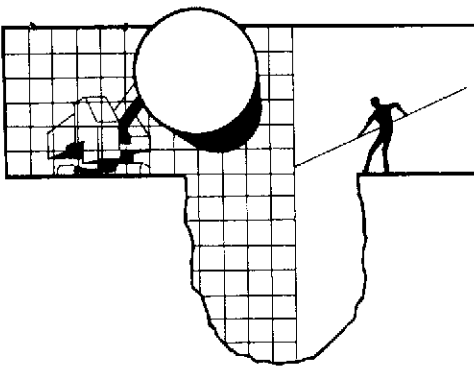
Enclosure

cc. Ms. Bette Owen, Chevron

Mr. Kevin Graves, RWQWB- S.F. Bay Region  
2101 Webster Street, Suite  
Oakland, CA 94612

Mr. Ron Hothem, Pacific American Management Co.  
369 Broadway  
San Francisco, CA 94133

Mr. Jason Fedota, Fluor Daniel GTI  
1401 Halyard Drive, Suite 140  
West Sacramento, CA 95691



# BLAINE TECH SERVICES INC.

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

June 19, 1996

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

## 2nd Quarter 1996 Monitoring at 9-1723

Second Quarter 1996 Groundwater Monitoring at  
Chevron Service Station Number 9-1723  
9757 San Leandro Street  
Oakland, CA

Monitoring Performed on May 16, 1996

96 JUL 23 AM 9:00  
ENGINEERING  
PROFESSIONAL

### Groundwater Sampling Report 960516-V-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.

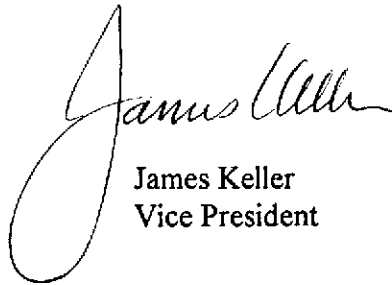
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**. The table also contains new groundwater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

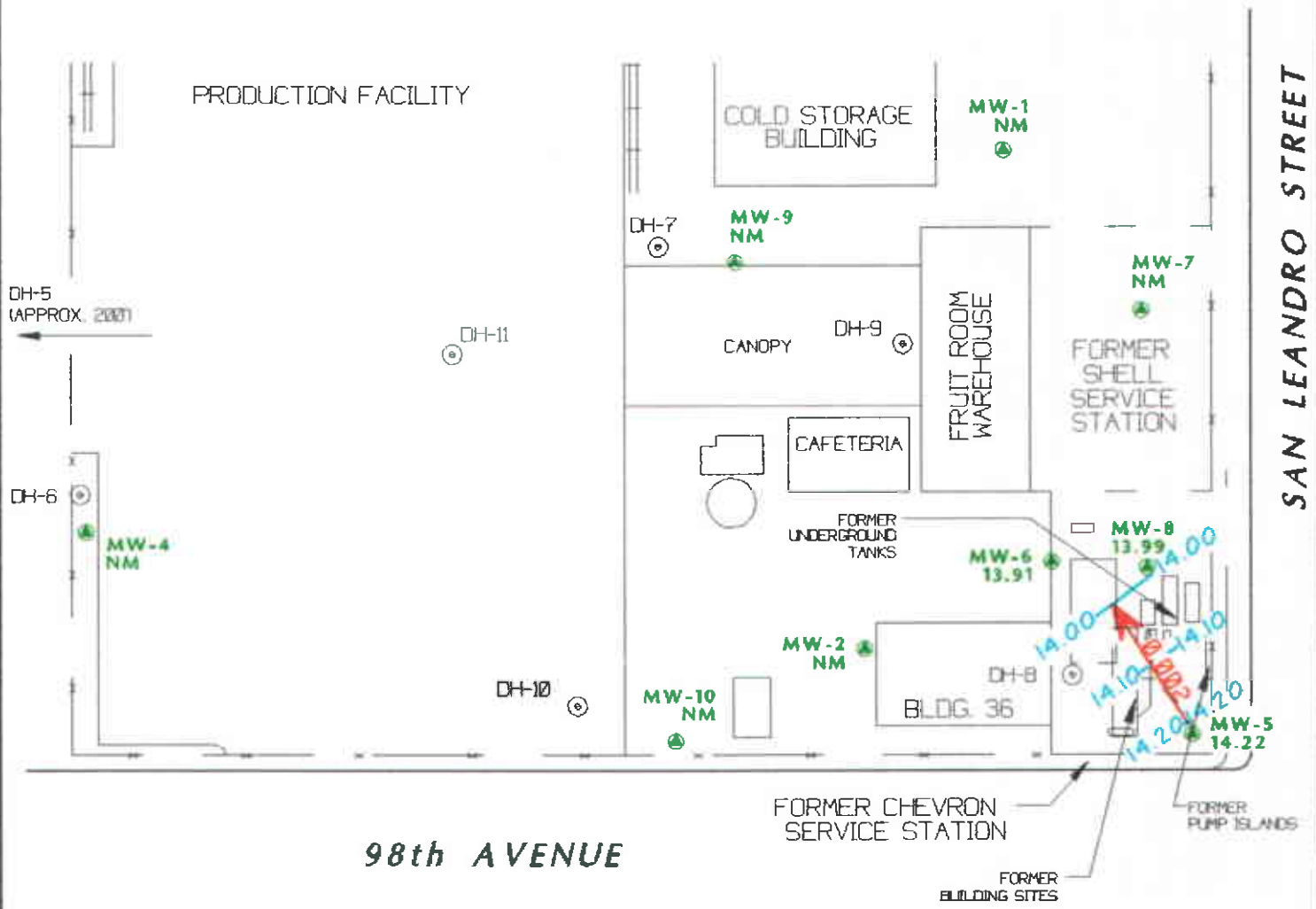
A handwritten signature in cursive script, appearing to read "James Keller".

James Keller  
Vice President

JPK/cg

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

# **Professional Engineering Appendix**



EXPLANATION	
	MONITORING WELL LOCATION AND WELL NUMBER
13.91	GROUND-WATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
NM	NOT MEASURED
	GROUND-WATER ELEVATION CONTOUR IN FEET ABOVE MEAN SEA LEVEL
	APPROXIMATE DIRECTION OF GROUND-WATER FLOW GRADIENT INDICATED IN FEET / FEET

REGISTERED GEOLOGIST  
 JEREMY O. WIRE  
 NO. 83  
 Certified  
 Hydrogeologist  
 STATE OF CALIFORNIA

TITLE : GROUND-WATER ELEVATION CONTOUR MAP - MAY 16, 1996  
 LOCATION : CHEVRON SERVICE STATION No. 9-1723 9757 SAN LEANDRO STREET, OAKLAND, CALIFORNIA  
 SOURCE : CAMBRIA ENVIRONMENTAL TECHNOLOGY, INC

**GEOCONSULTANTS, INC**  
 SAN JOSE, CALIFORNIA  
 Project No. 0750-09  
 DRAWING NO. CHEVRON0527-02000

# **Table of Field 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	Lead	MTBE
<b>MW-1</b>											
11/02/93	20.92	10.68	10.24	--	--	--	--	--	--	--	--
02/10/94	20.92	--	--	--	--	--	--	--	--	--	--
05/12/94	20.92	--	--	--	--	--	--	--	--	--	--
08/26/94	20.92	--	--	Suspended	--	--	--	--	--	--	--
<b>MW-2</b>											
11/02/93	21.31	10.83	10.48	--	--	--	--	--	--	--	--
02/10/94	21.31	--	--	--	--	--	--	--	--	--	--
05/12/94	21.31	11.94	9.37	--	390	6.8	2.0	6.3	14	--	--
08/26/94	21.31	--	--	Sampled Biannually	--	--	--	--	--	--	--
02/01/95	21.31	13.76	7.55	--	78	10	1.2	<0.5	0.51	--	--
08/02/95	21.31	11.53	9.78	--	100	3.5	<0.5	2.6	4.1	--	--
01/31/96	21.31	14.38	6.93	--	<50	<0.5	<0.5	<0.5	<0.5	--	<2.5
<b>MW-4</b>											
11/02/93	--	--	10.23	--	--	--	--	--	--	--	--
02/10/94	--	--	--	--	--	--	--	--	--	--	--
05/12/94	--	--	--	--	--	--	--	--	--	--	--
08/26/94	--	--	--	Suspended	--	--	--	--	--	--	--
<b>MW-5</b>											
11/02/93	21.84	11.15	10.69	--	790	43	3.4	22	12	<400	--
02/10/94	21.84	13.10	8.74	--	1400	52	3.0	50	40	--	--
05/12/94	21.84	12.40	9.44	--	1800	87	6.2	77	66	--	--
08/26/94	21.84	--	--	--	--	--	--	--	--	--	--
11/11/94	21.84	13.50	8.34	--	380	18	<1.0	18	11	--	--
02/01/95	21.84	14.32	7.52	--	570	36	0.59	21	11	--	--
05/18/95	21.84	12.87	8.97	--	590	29	1.0	16	9.8	--	--
08/02/95	21.84	11.98	9.86	--	210	9.2	<0.5	4.0	1.2	--	--
11/01/95	21.84	11.58	10.26	--	210	5.6	<0.5	1.9	<0.5	--	<2.5
01/31/96	21.84	14.72	7.12	--	1200	50	<5.0	19	29	--	<25
05/16/96	21.84	14.22	7.62	--	440	14	<0.5	17	8.6	--	11

## 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	Lead	MTBE
<b>MW-6</b>											
11/02/93	21.71	10.93	10.78	--	300	19	1.8	2.5	5.0	<400	--
02/10/94	21.71	12.86	8.85	--	200	10	0.9	2.0	4.0	--	--
05/12/94	21.71	12.08	9.63	--	210	10	1.1	1.2	3.1	--	--
08/26/94	21.71	10.82	10.89	--	310	16	1.4	2.3	7.1	--	--
11/11/94	21.71	13.25	8.46	--	<50	1.3	<0.5	<0.5	1.0	--	--
02/01/95	21.71	14.02	7.69	--	<50	1.9	<0.5	<0.5	0.51	--	--
05/18/95	21.71	12.43	9.28	--	<50	8.2	<0.5	<0.5	<0.5	--	--
08/02/95	21.71	11.64	10.07	--	<50	2.3	<0.5	<0.5	<0.5	--	--
11/01/95	21.71	11.31	10.40	--	<50	<0.5	<0.5	<0.5	<0.5	--	<2.5
01/31/96	21.71	13.63	8.08	--	<50	0.98	<0.5	<0.5	<0.5	--	<2.5
05/16/96	21.71	13.91	7.80	--	<50	1.6	<0.5	<0.5	<0.5	--	<2.5
<b>MW-7</b>											
11/02/93	20.95	10.88	10.07	--	--	--	--	--	--	--	--
02/10/94	20.95	--	--	--	--	--	--	--	--	--	--
05/12/94	20.95	--	--	--	--	--	--	--	--	--	--
08/26/94	20.95	--	--	Suspended	--	--	--	--	--	--	--
<b>MW-8</b>											
11/02/93	21.84	11.02	10.82	--	15,000	2000	440	420	1400	<400	--
02/10/94	21.84	12.97	8.87	--	6500	1200	380	250	7900	--	--
05/12/94	21.84	12.19	9.65	--	30,000	1400	2900	800	3800	--	--
08/26/94	21.84	10.90	10.94	--	17,000	720	200	330	930	--	--
11/11/94	21.84	13.38	8.46	--	6800	250	170	190	650	--	--
02/01/95	21.84	14.36	7.48	--	330	68	2.8	2.7	4.3	--	--
05/18/95	21.84	12.54	9.30	--	540	120	12	11	23	--	--
08/02/95	21.84	11.73	10.11	--	1100	150	9.7	20	40	--	--
11/01/95	21.84	11.36	10.48	--	1700	120	15	16	39	--	<5.0
01/31/96	21.84	14.64	7.20	--	57	5.3	<0.5	<0.5	<0.5	--	<2.5
05/16/96	21.84	13.99	7.85	--	2100	260	43	56	130	--	64



## 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	Lead	MTBE
<b>MW-9</b>											
11/02/93	20.55	10.53	10.02	--	--	--	--	--	--	--	--
02/10/94	20.55	--	--	--	--	--	--	--	--	--	--
05/12/94	20.55	11.60	8.95	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/26/94	20.55	--	--	Sampled Biannually	--	--	--	--	--	--	--
02/01/95	20.55	13.35	7.20	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/02/95	20.55	11.22	9.33	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/31/96	20.55	14.10	6.45	--	<50	<0.5	<0.5	<0.5	<0.5	--	<2.5
<b>MW-10</b>											
11/02/93	21.25	10.93	10.32	--	--	--	--	--	--	--	--
02/10/94	21.25	--	--	--	--	--	--	--	--	--	--
05/12/94	21.25	--	--	--	--	--	--	--	--	--	--
08/26/94	21.25	--	--	--	--	--	--	--	--	--	--
<b>RINSATE</b>											
02/10/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
<b>TRIP BLANK</b>											
02/10/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/12/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/26/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/11/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/01/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/18/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/02/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/01/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/31/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<2.5
05/16/96	--	--	--	--	<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 1, 1994.

Earlier field data and analytical results are drawn from the September 14, 1994 Groundwater Technology, Inc. report.

**ABBREVIATIONS:**

TPH = Total Petroleum Hydrocarbons

MTBE = Methyl t-Butyl Ether

# Analytical Appendix



Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-1723/960516-V-2 Sample Descript: MW-5 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9605C71-01	Sampled: 05/16/96 Received: 05/17/96 Analyzed: 05/22/96 Reported: 05/28/96
--	--	---

QC Batch Number: GC052296BTEX03A  
Instrument ID: GCHP3

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	440
Methyl t-Butyl Ether	2.5	11
Benzene	0.50	14
Toluene	0.50	N.D.
Ethyl Benzene	0.50	17
Xylenes (Total)	0.50	8.6
Chromatogram Pattern:		Gas

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





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-1723/960516-V-2 Sample Descript: MW-6 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9605C71-02	Sampled: 05/16/96 Received: 05/17/96  Analyzed: 05/22/96 Reported: 05/28/96
--	--	---


QC Batch Number: GC052296BTEX03A  
Instrument ID: GCHP3

**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.
<b>Benzene</b>	<b>0.50</b>	<b>1.6</b>
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	117

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 9-1723/960516-V-2 Sample Descript: MW-8 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9605C71-03	Sampled: 05/16/96 Received: 05/17/96  Analyzed: 05/22/96 Reported: 05/28/96
Attention: Jim Keller		

QC Batch Number: GC052296BTEX03A  
Instrument ID: GCHP3

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	250	2100
Methyl t-Butyl Ether	12	64
Benzene	2.5	260
Toluene	2.5	43
Ethyl Benzene	2.5	56
Xylenes (Total)	2.5	130
Chromatogram Pattern:		Gas
Surrogates	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70                      130	130

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 9-1723/960516-V-2 Sample Descript: Trip Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9605C71-04	Sampled: 05/16/96 Received: 05/17/96  Analyzed: 05/22/96 Reported: 05/28/96
--	--	---

QC Batch Number: GC052296BTEX03A  
Instrument ID: GCHP3

**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:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
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  
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 9-1723/960516-V-2  
Lab Proj. ID: 9605C71

Received: 05/17/96  
Reported: 05/28/96

### LABORATORY NARRATIVE

TPPH Note: Sample 9605C71-03 was diluted 5-fold.

SEQUOIA ANALYTICAL

Peggy Penner  
Project Manager





Blaine Tech Services, Inc. 985 Timothy Drive San Jose, CA 95133 Attention: Jim Keller	Client Project ID: Chevron 9-1723/ 960516-V-2 Matrix: Liquid Work Order #: 9605C71 -01-04	Reported: May 30, 1996
--	---	------------------------

**QUALITY CONTROL DATA REPORT**

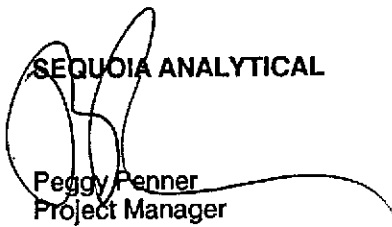
Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC052296BTEX03A	GC052296BTEX03A	GC052296BTEX03A	GC052296BTEX03A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J. Woo	J. Woo	J. Woo	J. Woo
MS/MSD #:	9605A6004	9605A6004	9605A6004	9605A6004
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/22/96	5/22/96	5/22/96	5/22/96
Analyzed Date:	5/22/96	5/22/96	5/22/96	5/22/96
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.3	9.1	9.0	27
MS % Recovery:	93	91	90	90
Dup. Result:	9.9	9.9	9.9	29
MSD % Recov.:	99	99	99	97
RPD:	6.3	8.4	9.5	7.1
RPD Limit:	0-25	0-25	0-25	0-25

LCS #:	BLK052296	BLK052296	BLK052296	BLK052296
Prepared Date:	5/22/96	5/22/96	5/22/96	5/22/96
Analyzed Date:	5/22/96	5/22/96	5/22/96	5/22/96
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	9.7	9.6	9.6	29
LCS % Recov.:	97	96	96	97

MS/MSD	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130
Control Limits				

**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.





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 9-1723  
 Facility Address 9757 San Leandro St., Oakland, CA  
 Consultant Project Number 960516-V-2  
 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) 293-8773

Chevron Contact (Name) Phil Briggs  
 (Phone) (510) 842-9136  
 Laboratory Name Sequoia  
 Laboratory Release Number 2107021  
 Samples Collected by (Name) FA. Vandenberg  
 Collection Date 5-16-96  
 Signature [Signature]

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	Lead (Yes or No)	Analytes To Be Performed										DO NOT BILL FOR TB-LB.  Remarks								
								BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Greases (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (CAP or AA)	MTBE										
MW-5	01A-C	3	W	G	1247	HCL	Y	/																		
MC0-6	02	3			1154			/																		
MW-8	03	3			1214			/																		
TRIP	04AB	2		-	0800			/																		

Relinquished By (Signature)  
[Signature]  
 Relinquished By (Signature)  
[Signature]  
 Relinquished By (Signature)  
[Signature]

Organization  
BTS  
 Organization  
SEQ.  
 Organization  
[Blank]

Date/Time  
5/17 1420  
 Date/Time  
5/17  
 Date/Time  
[Blank]

Received By (Signature)  
[Signature]  
 Received By (Signature)  
[Signature]  
 Received For Laboratory By (Signature)  
[Signature]

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

# **Field Data Sheets**



# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>960516-V-2</u>	Station #: <u>9-1723</u>
Sampler: <u>Fred</u>	Start Date: <u>5-16-96</u>
Well I.D.: <u>MW-5</u>	Well Diameter: (circle one) <u>(2)</u> 3 4 6
Total Well Depth: Before <u>17.55</u> After	Depth to Water: Before <u>7.62</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>1.58</u>	x	<u>3</u>	=	<u>4.76</u>
1 Case Volume		Specified Volumes		gallons

Purging: Bailer <u>Disposable Bailer</u> Middleburg Electric Submersible Extraction Pump Other _____	Sampling: Bailer <u>Disposable Bailer</u> Extraction Port Other _____
---	--

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1232	67.4	7.8	800	7200	2.0	
1235	67.0	7.6	800	7200	4.0	
1237	67.0	7.6	800	7200	5.0	

Did Well Dewater? No If yes, gals.      Gallons Actually Evacuated: 5.0

---

Sampling Time: 1247      Sampling Date: 5-16-96

---

Sample I.D.: MW-5      Laboratory: SEC

---

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

---

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

---

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

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>960516V-2</u>	Station #: <u>9-1723</u>
Sampler: <u>Fred</u>	Start Date: <u>5-16-96</u>
Well I.D.: <u>MW-6</u>	Well Diameter: (circle one) <u>(2)</u> 3 4 6
Total Well Depth: Before <u>19.90</u> After	Depth to Water: Before <u>7.80</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>1.93</u>	x	<u>3</u>	=	<u>5.80</u>
1 Case Volume		Specified Volumes		gallons

Purging: <u>Bailer</u> <del>Disposable Bailer</del> Middleburg Electric Submersible Extraction Pump Other _____	Sampling: <u>Bailer</u> <del>Disposable Bailer</del> Extraction Port Other _____
--	---

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1139	68.0	7.8	800	7200	2.0	
1142	68.0	7.2	800	7200	4.0	
1144	68.0	7.2	800	7200	6.0	

Did Well Dewater? no If yes, gals.      Gallons Actually Evacuated: 6.0

Sampling Time: 1154      Sampling Date: 5-16-96

Sample I.D.: MW-6      Laboratory: SEP

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

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

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

# CHEVRON WELL MONITORING DATA SHEET

Project #: <b>960516-V-2</b>	Station #: <b>9-1723</b>
Sampler: <b>Fred</b>	Start Date: <b>5-16-96</b>
Well I.D.: <b>MW-8</b>	Well Diameter: (circle one) <b>2</b> 3 4 6
Total Well Depth: Before <b>18.98</b> After	Depth to Water: Before <b>7.85</b> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <b>PVC</b>	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

$$\frac{1.94}{1 \text{ Case Volume}} \times \frac{3}{\text{Specified Volumes}} = \frac{5.82}{\text{gallons}}$$

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:
1200	66.6	7.6	800	>200	2.0	skew
1202	66.4	7.4	800	>200	4.0	/
1204	66.4	7.4	800	700	6.0	/

Did Well Dewater? **NO** If yes, gals. Gallons Actually Evacuated: **6.0**

Sampling Time: **1214** Sampling Date: **5-16-96**

Sample I.D.: **MW-8** Laboratory: **SEQ**

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

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

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