

ENVIRONMENTAL  
PROTECTION



**Chevron**

00 APR 10 - AM 10: 08

LOP 436

Chevron U.S.A. Products Company  
6001 Ballinger Canyon Rd. Bldg. L  
P. O. Box 8004  
San Ramon, CA 94583-0804

Site Assessment and  
Remediation Group  
Phone (510) 842-8500  
Fax (510) 842-8570

PO 250

Date: April 4, 2000  
To: Distribution  
Re: Groundwater Monitoring Report

The enclosed groundwater monitoring report has been properly reviewed by a Chevron authorized representative. Agency guidelines have been followed. Blaine Tech Services is authorized to distribute the report directly to interested parties.

If you have any questions, please call me at (510) 842-8695.

Sincerely,

Brett Hunter  
Site Assessment and Remediation  
Project Manager

6550 Moraga

LOP - RECORD CHANGE REQUEST FORM

printed:  
04/24/2000

Mark Out What Needs Changing and Hand to LOP Data Entry  
(Name/Address changes go to Annual Programs Data Entry)

Insp: SH

AGENCY # : 10000      SOURCE OF FUNDS: F      SUBSTANCE: 12035  
 StID : 436      LOC:  
 SITE NAME: Ken Betts Montclair Chevron      DATE REPORTED : 08/15/1991  
 ADDRESS : 6550 Moraga Ave      DATE CONFIRMED: 08/15/1991  
 CITY/ZIP : Oakland 94611      MULTIPLE RPs : N

SITE STATUS

CASE TYPE: O CONTRACT STATUS: 4      PRIOR CODE: 2B4      EMERGENCY RESP:  
 RP SEARCH: S      DATE COMPLETED: 03/16/1992  
 PRELIMINARY ASMNT: U      DATE UNDERWAY: 02/01/1989      DATE COMPLETED:  
 REM INVESTIGATION:      DATE UNDERWAY:      DATE COMPLETED:  
 REMEDIAL ACTION:      DATE UNDERWAY:      DATE COMPLETED:  
 POST REMED ACT MON:      DATE UNDERWAY:      DATE COMPLETED:

ENFORCEMENT ACTION TYPE: 1      DATE ENFORCEMENT ACTION TAKEN: 03/16/1992  
 LUFT FIELD MANUAL CONSID: 3HSCAWG  
 CASE CLOSED:      DATE CASE CLOSED:  
 DATE EXCAVATION STARTED :      REMEDIAL ACTIONS TAKEN: ED

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: Brett Hunter  
 COMPANY NAME: Chevron U.S.A.  
 ADDRESS: P. O. Box 6004  
 CITY/STATE: San Ramon, C A 94583

INSPECTOR VERIFICATION:			
NAME	SIGNATURE	DATE	
DATA ENTRY INPUT:			
Name/Address Changes Only		Case Progress Changes	
ANPPGMS	LOP	DATE	LOP      DATE

BLAINE  
TECH SERVICES INC.



1680 ROGERS AVENUE  
SAN JOSE, CALIFORNIA 95112-1105  
(408) 573-7771 FAX  
(408) 573-0555 PHONE

March 31, 2000

Brett Hunter  
Chevron U.S.A. Products Company  
P.O. Box 6004  
San Ramon, CA 94583-0904

### 1st Quarter 2000 Monitoring at 9-1740

First Quarter 2000 Groundwater Monitoring at  
Chevron Service Station Number 9-1740  
6550 Moraga Avenue  
Oakland, CA

Monitoring Performed on February 29, 2000

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#### Groundwater Sampling Report 000229-C-2

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

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

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

map which is located in the **Professional Engineering Appendix**.

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

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

Please call if you have any questions.

Yours truly,



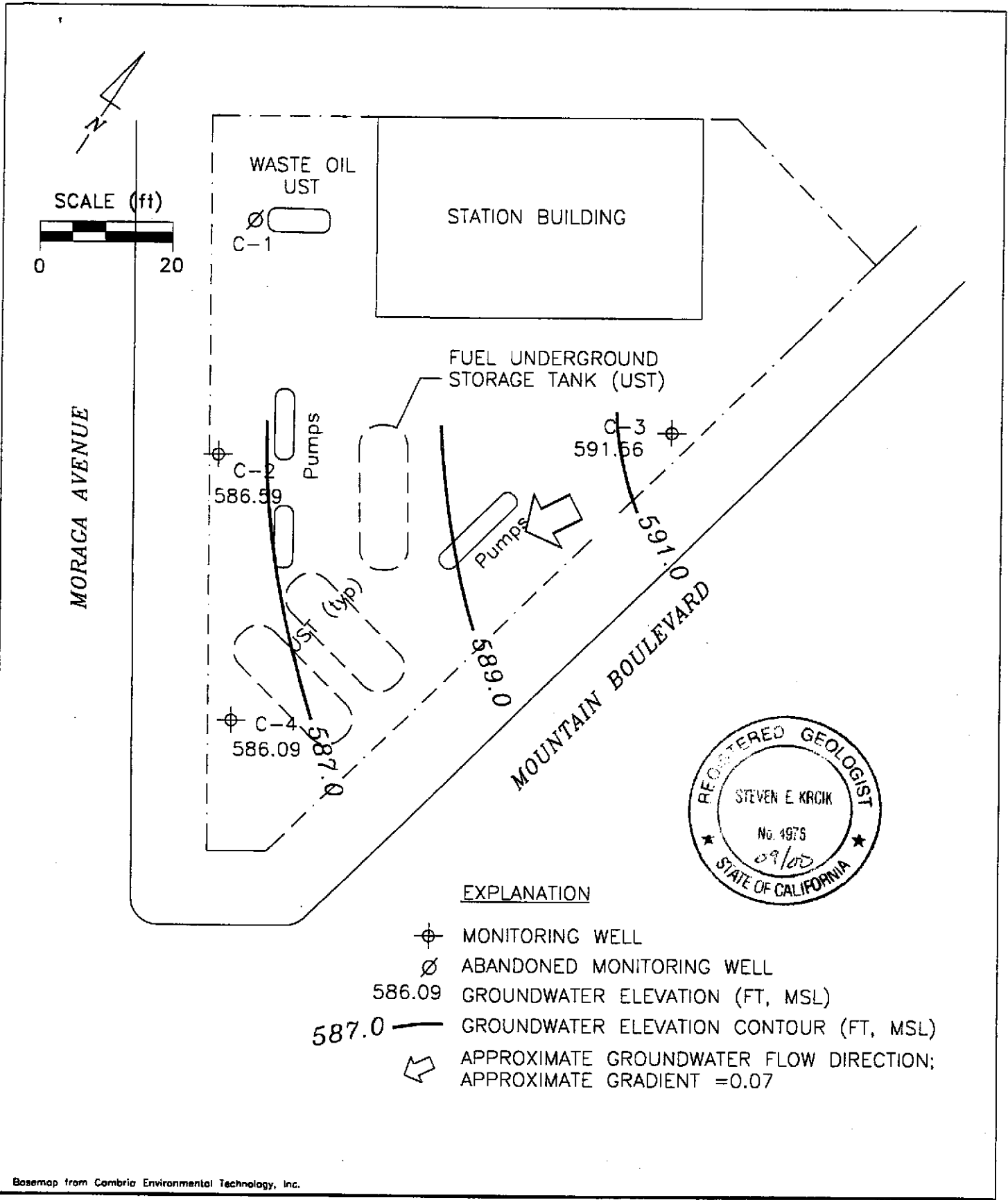
Scott Boor  
Project Coordinator

SDB/ew

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

cc: Susan Hugo, Alameda County Health Care Services, Dept. of  
Environmental Health  
Eddie So, RWQCB- San Francisco Bay Region  
Greg Gurss, Gettler-Ryan, Inc.

# **Professional Engineering Appendix**



Basemap from Cambria Environmental Technology, Inc.

PREPARED BY

**RRM**  
engineering contracting firm

**Chevron Station 9-1740**  
6550 Moraga Avenue  
Oakland, California

**GROUNDWATER ELEVATION CONTOUR MAP,  
FEBRUARY 29, 2000**

FIGURE:  
**1**  
PROJECT:  
DAC04

# **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
<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	--	790	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	--

NO LONGER MONITORED OR SAMPLED



## 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
<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	7.97	--	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	--
08/23/92	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	--
09/25/95	594.57	587.78	6.79	--	<50	1.2	<0.5	<0.5	<0.5	--
12/19/95	594.57	588.94	5.63	--	<250	23	<2.5	<2.5	<2.5	860
03/31/97	594.57	589.74	4.83	--	<500	48	<5.0	<5.0	<5.0	2900
06/23/97	594.57	589.98	4.59	--	1200	240	<10	<10	<10	4900
09/02/97	594.57	590.02	4.55	--	1400	340	<5.0	54	6.9	2500
12/15/97	594.57	590.26	4.31	--	540	100	<2.5	8.7	<2.5	2400
03/10/98	594.57	590.00	4.57	--	<500	<5.0	<5.0	<5.0	<5.0	3000
06/16/98	594.57	589.99	4.58	--	120	6.6	<1.0	<1.0	<1.0	2500
08/25/98	594.57	589.67	4.90	--	140	<0.5	<0.5	<0.5	<0.5	2600
12/29/98	594.57	589.77	4.80	--	1830	17.7	<10.0	<10.0	14.9	4600
12/29/98	594.57	589.77	4.80	Confirmation Run	--	--	--	--	--	4890

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## 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
<b>C-2 (CONT'D)</b>										
03/09/99	594.57	590.21	4.36	--	120	16	<1.0	<1.0	<1.0	3400
06/23/99	594.57	589.92	4.65	ORC socks installed	--	--	--	--	--	--
09/28/99	594.57	585.99	8.58	--	<50	<0.5	<0.5	<0.5	<0.5	1250
02/29/00	594.57	586.59	7.98	--	122	<0.5	<0.5	<0.5	<0.5	249

## 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
<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	--
09/25/95	597.14	591.04	6.10	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/19/95	597.14	591.46	5.68	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/31/97	597.14	590.65	6.49	--	<50	<0.5	<0.5	<0.5	<0.5	△2.5
06/23/97	597.14	590.63	6.51	--	<50	<0.5	<0.5	<0.5	<0.5	△2.5
09/02/97	597.14	591.07	6.07	--	<50	<0.5	<0.5	<0.5	<0.5	△2.5
12/15/97	597.14	590.86	6.28	--	<50	<0.5	<0.5	<0.5	<0.5	△2.5
03/10/98	597.14	590.89	6.25	--	<50	<0.5	<0.5	<0.5	<0.5	3.5
06/16/98	597.14	590.80	6.34	--	<50	<0.5	<0.5	<0.5	<0.5	△2.5
08/25/98	597.14	590.61	6.53	--	<50	<0.5	<0.5	<0.5	<0.5	△5.0
12/29/98	597.14	590.59	6.55	--	<50	<0.5	<0.5	<0.5	<0.5	△2.0

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## 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
<b>C-3(CONT'D)</b>										
03/09/99	597.14	591.20	5.94	--	<50	<0.5	<0.5	<0.5	<0.5	2.8
09/28/99	597.14	590.26	6.88	Sampled Annually	--	--	--	--	--	--
02/29/00	597.14	591.56	5.58	--	<50	<0.5	<0.5	<0.5	<0.5	9.71

## 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
<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	290	340	350	--
09/25/91	593.10	587.60	5.50	--	9200	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	190	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	--
09/25/95	593.10	584.72	8.38	--	<500	18	<5.0	<5.0	<5.0	--
12/19/95	593.10	582.94	10.16	--	<500	32	<5.0	<5.0	<5.0	2400
03/31/97	593.10	588.42	4.68	--	3400	960	51	64	140	2100
06/23/97	593.10	588.36	4.74	--	1600	580	19	8.2	27	2300
09/02/97	593.10	588.33	4.77	--	6900	1400	59	130	410	3100
12/15/97	593.10	588.60	4.50	--	3300	1200	37	74	130	3700
03/10/98	593.10	588.92	4.18	--	1100	250	19	13	62	4000
06/16/98	593.10	586.53	6.57	--	1200	350	<10	12	39	4500
08/25/98	593.10	586.30	6.80	--	290	24	0.72	0.87	1.9	3600
12/29/98	593.10	586.80	6.30	--	3190	957	<25	<25	<25	8100
12/29/98	593.10	586.80	6.30	Confirmation Run	--	--	--	--	--	8500
03/09/99	593.10	585.87	7.23	--	2200	850	15	35	56	5900
06/23/99	593.10	585.60	7.50	ORC socks installed	--	--	--	--	--	--
09/28/99	593.10	586.15	6.95	--	1390	7.85	<5.0	<5.0	<5.0	4190
02/29/00	593.10	586.09	7.01	--	<50	1.35	<0.5	<0.5	<0.5	310

## 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
<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	--
09/25/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/19/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/31/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/23/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/02/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/15/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/10/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/16/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
08/25/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
12/29/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0

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## 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
<b>TRIP BLANK (CONT'D)</b>										
03/09/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/28/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/29/00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0

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  
 MTBE = Methyl t-Butyl Ether

# Analytical Appendix





March 16, 2000

Scott Boor  
Blaine Tech Services  
1680 Rogers Avenue  
San Jose, CA 95112

RE: Chevron/L003021

Dear Scott Boor

Enclosed are the results of analyses for sample(s) received by the laboratory on March 2, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wayne Stevenson  
Project Manager

CA ELAP Certificate Number I2360





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron Project Number: Chevron 9-1740/6550 Moraga, Oakland Project Manager: Scott Boor	Sampled: 2/29/00 Received: 3/2/00 Reported: 3/16/00
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**ANALYTICAL REPORT FOR L003021**

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
C-2	L003021-01	Water	2/29/00
C-3	L003021-02	Water	2/29/00
C-4	L003021-03	Water	2/29/00
TB	L003021-04	Water	2/29/00





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron Project Number: Chevron 9-1740/6550 Moraga, Oakland Project Manager: Scott Boor	Sampled: 2/29/00 Received: 3/2/00 Reported: 3/16/00
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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT  
Sequoia Analytical - San Carlos**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<b>C-2</b>				<b>L003021-01</b>			<b>Water</b>	
Purgeable Hydrocarbons as Gasoline	0030060	3/14/00	3/14/00		50.0	122	ug/l	1
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	249	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	70.0-130		98.7	%	
<b>C-3</b>				<b>L003021-02</b>			<b>Water</b>	
Purgeable Hydrocarbons as Gasoline	0030060	3/14/00	3/14/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	9.71	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	70.0-130		97.1	%	
<b>C-4</b>				<b>L003021-03</b>			<b>Water</b>	
Purgeable Hydrocarbons as Gasoline	0030048	3/10/00	3/10/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	1.35	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	310	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	70.0-130		93.0	%	
<b>TB</b>				<b>L003021-04</b>			<b>Water</b>	
Purgeable Hydrocarbons as Gasoline	0030048	3/10/00	3/10/00		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	70.0-130		85.6	%	





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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control  
Sequoia Analytical - San Carlos**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
<b>Batch: 0030048</b>			<b>Date Prepared: 3/10/00</b>			<b>Extraction Method: EPA 5030B [P/T]</b>				
<b>Blank</b>			<b>0030048-BLK1</b>							
Purgeable Hydrocarbons as Gasoline	3/10/00			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	5.00				
Surrogate: a,a,a-Trifluorotoluene	"	10.0		10.2	"	70.0-130	102			
<b>LCS</b>			<b>0030048-BS2</b>							
Purgeable Hydrocarbons as Gasoline	3/10/00			230	ug/l	70.0-130				
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.73	"	70.0-130	97.3			
<b>LCS</b>			<b>0030048-BS3</b>							
Benzene	3/10/00			7.86	ug/l	70.0-130				
Toluene	"			8.03	"	70.0-130				
Ethylbenzene	"			8.74	"	70.0-130				
Xylenes (total)	"			26.2	"	70.0-130				
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.66	"	70.0-130	96.6			
<b>Matrix Spike</b>			<b>0030048-MS1</b>		<b>L002256-03</b>					
Benzene	3/10/00	10.0	ND	7.29	ug/l	60.0-140	72.9			
Toluene	"	10.0	ND	6.87	"	60.0-140	68.7			
Ethylbenzene	"	10.0	ND	6.95	"	60.0-140	69.5			
Xylenes (total)	"	30.0	ND	20.9	"	60.0-140	69.7			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.64	"	70.0-130	86.4			
<b>Matrix Spike Dup</b>			<b>0030048-MSD1</b>		<b>L002256-03</b>					
Benzene	3/10/00	10.0	ND	8.48	ug/l	60.0-140	84.8	25.0	15.1	
Toluene	"	10.0	ND	7.14	"	60.0-140	71.4	25.0	3.85	
Ethylbenzene	"	10.0	ND	7.48	"	60.0-140	74.8	25.0	7.35	
Xylenes (total)	"	30.0	ND	22.6	"	60.0-140	75.3	25.0	7.72	
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.63	"	70.0-130	86.3			
<b>Batch: 0030060</b>			<b>Date Prepared: 3/14/00</b>			<b>Extraction Method: EPA 5030B [P/T]</b>				
<b>Blank</b>			<b>0030060-BLK1</b>							
Purgeable Hydrocarbons as Gasoline	3/14/00			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				





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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control  
Sequoia Analytical - San Carlos**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
<b>Blank (continued)</b>										
<b>0030060-BLK1</b>										
Methyl tert-butyl ether	3/14/00			ND	ug/l	5.00				
Surrogate: a,a,a-Trifluorotoluene	"	10.0		10.5	"	70.0-130	105			
<b>LCS</b>										
<b>0030060-BS1</b>										
Benzene	3/14/00	10.0		11.3	ug/l	70.0-130	113			
Toluene	"	10.0		10.9	"	70.0-130	109			
Ethylbenzene	"	10.0		11.1	"	70.0-130	111			
Xylenes (total)	"	30.0		32.7	"	70.0-130	109			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		10.7	"	70.0-130	107			
<b>LCS</b>										
<b>0030060-BS2</b>										
Purgeable Hydrocarbons as Gasoline	3/14/00	250		267	ug/l	70.0-130	107			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		11.8	"	70.0-130	118			
<b>Matrix Spike</b>										
<b>0030060-MS1      L003013-11</b>										
Benzene	3/14/00	10.0	ND	10.9	ug/l	60.0-140	109			
Toluene	"	10.0	ND	10.3	"	60.0-140	103			
Ethylbenzene	"	10.0	ND	10.6	"	60.0-140	106			
Xylenes (total)	"	30.0	ND	30.8	"	60.0-140	103			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.69	"	70.0-130	96.9			
<b>Matrix Spike Dup</b>										
<b>0030060-MSD1      L003013-11</b>										
Benzene	3/14/00	10.0	ND	10.6	ug/l	60.0-140	106	25.0	2.79	
Toluene	"	10.0	ND	10.3	"	60.0-140	103	25.0	0	
Ethylbenzene	"	10.0	ND	10.5	"	60.0-140	105	25.0	0.948	
Xylenes (total)	"	30.0	ND	29.6	"	60.0-140	98.7	25.0	4.26	
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.23	"	70.0-130	92.3			





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron Project Number: Chevron 9-1740/6550 Moraga, Oakland Project Manager: Scott Boor	Sampled: 2/29/00 Received: 3/2/00 Reported: 3/16/00
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**Notes and Definitions**

#	Note
1	Chromatogram Pattern: Unidentified Hydrocarbons C6-C12
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference



# Chromatogram

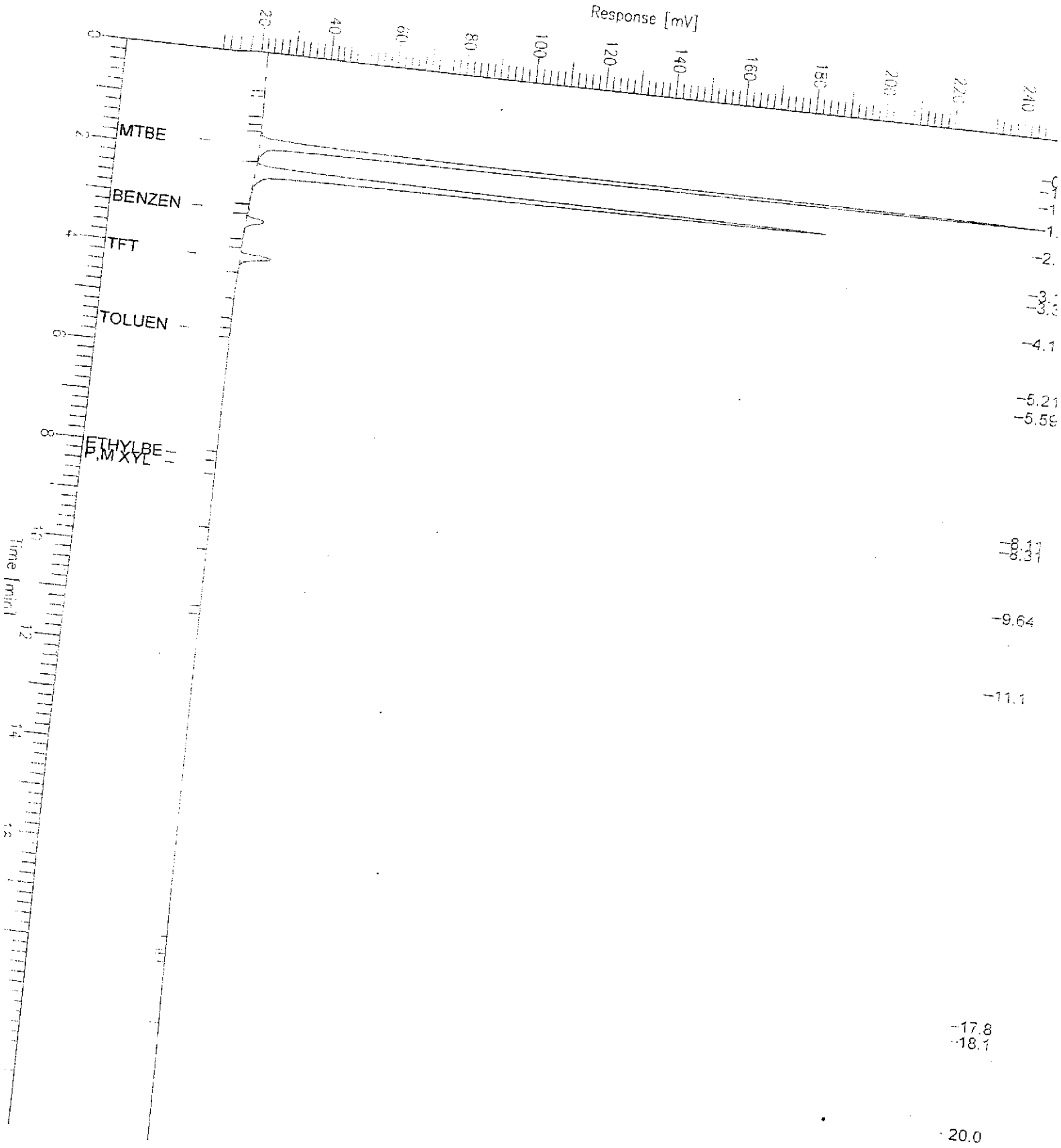
Sample Name : L003021-01  
FileName : S:\GCHP\_07\0319\314B021.raw  
Method : TPH  
Start Time : 0.00 min  
Scale Factor : 1.0

End Time : 21.89 min  
Plot Offset : 11 mV

Sample #: C-2  
Date : 3/14/00 22:43  
Time of Injection: 3/14/00 22:21  
Low Point : 10.99 mV  
Plot Scale: 235.1 mV

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High Point : 246.09 mV



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

# Chain-of-Custody-Record

Chevron Products Co. P.O. BOX 6004 San Ramon, CA 94583 FAX (925)842-8370	Chevron Facility Number <u>9-1740</u> <u>LD0302</u> Facility Address <u>6550 Moraga Blvd., Oakland</u> Consultant Project Number <u>000229C2</u> Consultant Name <u>Blaine Tech Services, Inc.</u> Address <u>1680 Rogers Ave., San Jose</u> Project Contact (Name) <u>Scott Boor</u> (Phone) <u>408-573-0555</u> (Fax) <u>408-573-7771</u>	Chevron Contact Name) <u>Brett Hunter</u> (Phone) <u>(925) 842-8695</u> Laboratory Name <u>Sequoia</u> Laboratory Service Order <u>9144488</u> Laboratory Service Code <u>ZZ02790</u> Samples collected by (Name) <u>Jeff Somply</u> Signature <u>[Signature]</u>
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Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Sample Preservation	Date/Time	State Method: <input type="checkbox"/> CA <input type="checkbox"/> OR <input type="checkbox"/> WA <input type="checkbox"/> NW Series <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT														Remarks
					BTEX/MTBE + TPH GAS (8020 + 8015)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oxygenates (8260)	Purgeable Halocarbons (8010)	Purgeable Organics (8270)	Extractable Organics (8270)	Oil and Grease (5520)	Metals (ICAP or AA) Cd, Cr, Pb, Zn, Ni	BTEX (8020)	BTEX/MTBE/Naph. (8020)	TPH - HCID	TPH - D Extended	Lab Sample No.	
C-2	3	W	HCl	2/29/00 1200	X														
C-3	3			300	X														
C-4	3		↓	1340	X														
TB	2		↓	2/29/00	X														

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N	Turn Around Time (Circle One) 24 Hrs. 48 Hrs. 5 Days 10 Days As Contracted
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	Iced Y/N	

COC-3.DWG/07-99/HCH



# **Field Data Sheets**

# WELL GAUGING DATA

Project # 000229C2      Date 2/29/00      Client Chevron

Site 6550 MORAGA AVE      OAKLAND

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
C-2	2"					7.98	26.75	TOC	2
C-3	2"					5.58	18.60		1
C-4	2"					7.01	24.65		3

## CHEVRON WELL MONITORING DATA SHEET

Project #: <u>100229 C2</u>	Station #: <u>9-1740</u>
Sampler: <u>Jeff</u>	Date: <u>2/29/00</u>
Well I.D.: <u>C-2</u>	Well Diameter: <u>2</u> 3 4 6 8 ____
Total Well Depth: <u>26.75</u>	Depth to Water: <u>7.98</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius <sup>2</sup> * 0.163

Purge Method: <u>Bailer</u> Disposable Bailer <u>Middleburg</u> Electric Submersible Extraction Pump Other: _____	Sampling Method: <u>Bailer</u> Disposable <u>Bailer</u> Extraction Port Other: _____
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<u>3.0</u>	x	<u>3</u>	=	<u>9.0</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
<u>1245</u>	<u>64.2</u>	<u>8.7</u>	<u>1194</u>	<u>3</u>	
<u>1253</u>	<u>64.9</u>	<u>8.9</u>	<u>1187</u>	<u>6</u>	
<u>1259</u>	<u>65.2</u>	<u>9.1</u>	<u>1186</u>	<u>9</u>	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: <u>9</u>
Sampling Time: <u>1300</u>	Sampling Date: <u>2/29/00</u>
Sample I.D.: <u>C-2</u>	Laboratory: <u>Sequoia</u> CORE N. Creek Assoc. Labs
Analyzed for: <u>TPH-G BTEX MTBE</u> TPH-D . Other:	
Duplicate I.D.: <u>Checked Calibration 2x</u>	Analyzed for: TPH-G BTEX MTBE TPH-D Other:
D.O. (if req'd): <u>ORC's preset</u> Pre-purge: <u>715</u> mg/L	Post-purge: _____ mg/L
O.R.P. (if req'd): Pre-purge: _____ mV	Post-purge: _____ mV

## CHEVRON WELL MONITORING DATA SHEET

Project #: 000229 C2	Station #: 9-1740
Sampler: Jeff	Date: 2/29/00
Well I.D.: C-4	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: 24.65	Depth to Water: 7.01
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVO</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius <sup>2</sup> * 0.163

Purge Method:  Bailer  Disposable Bailer  Middleburg  Electric Submersible Extraction Pump

Other: \_\_\_\_\_

Sampling Method:  Bailer  Disposable Bailer  Extraction Port

Other: \_\_\_\_\_

2.8	x	3	=	8.5	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1320	63.0	8.8	1056	3	
1328	64.4	9.0	1057	6	
1335	64.9	9.2	1061	9	

Did well dewater? Yes  No  Gallons actually evacuated: 9

Sampling Time: 1340 Sampling Date: 2/29/00

Sample I.D.: C-4 Laboratory: Sequidia CORE N. Creek Assoc. Labs

Analyzed for: PH-G BTEX MTBE TPH-D Other: \_\_\_\_\_

Duplicate I.D.: \_\_\_\_\_ Analyzed for: TPH-G BTEX MTBE TPH-D Other: \_\_\_\_\_

D.O. (if req'd): <u>checked calibration of oec's present</u> Pre-purge:	> 15 mg/L	Post-purge:	mg/L
O.R.P. (if req'd): Pre-purge:	mV	Post-purge:	mV