

ENVIRONMENTAL  
HEALTH  
95 MAY 01 PM 3:44



**Chevron**

May 22, 1995

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

Mr. Scott Seery  
Alameda County Environmental Health  
80 Swan Way, Room 200  
Oakland, CA 94621

**Marketing - Northwest Region**  
Phone 510 842 9500

Re: Former Chevron Service Station No. 9-2960  
2416 Grove Way, Castro Valley, CA 94546

Dear Mr. Seery :

All wells were non-detect for total petroleum hydrocarbon as gasoline, benzene, toluene, ethylbenzene, and xylene with the exception of C-1 and C-2. Concentrations in well C-1 declined while concentrations in C-2 increased.

*SDC-1*  
Chevron Research & Technology Company will examine the phase separated liquid. There is a possibility that this phase separated liquid may have been poured into the well. In the past, trucks have used this vacant lot as a parking lot.

Please refer to the enclosed report from Blaine Tech Services dated May 17, 1995. If you have any questions or comments, please feel free to call me at (510) 842-8752.

Sincerely,

Chevron U.S.A. Products Co.

Kenneth Kan  
Engineer

LKAN/MacFile 9-2960R20

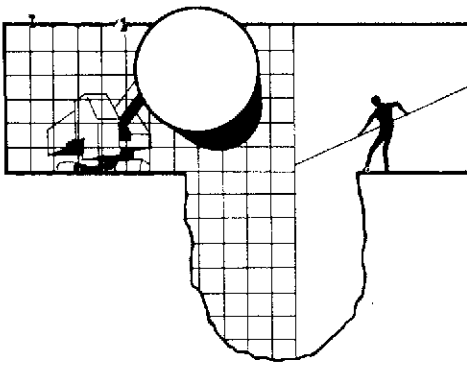
Enclosure

cc: Mr. Kevin Graves  
RWQCB-S.F. Bay Region  
2101 Webster Street, Suite 500  
Oakland, CA 94612

Mr. Bob Yule  
First Presbyterian Church  
2490 Grove Way  
Castro Valley, CA 94546

Ms. Bette Owen  
Chevron U.S.A. Products Co.

*This well has history of free product since the '80's.*



# BLAINE TECH SERVICES INC.

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

May 17, 1995

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

## 2nd Quarter 1995 Monitoring at 9-2960

Second Quarter 1995 Groundwater Monitoring at  
Chevron Service Station Number 9-2960  
2416 Grove Way  
Castro Valley, CA

Monitoring Performed on April 7, 1995

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### Groundwater Sampling Report 950407-K-2

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

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

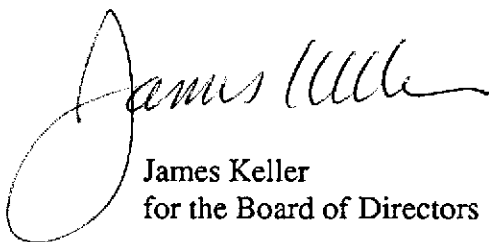
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**. The table also contains new groundwater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

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

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

Please call if you have any questions.

Yours truly,

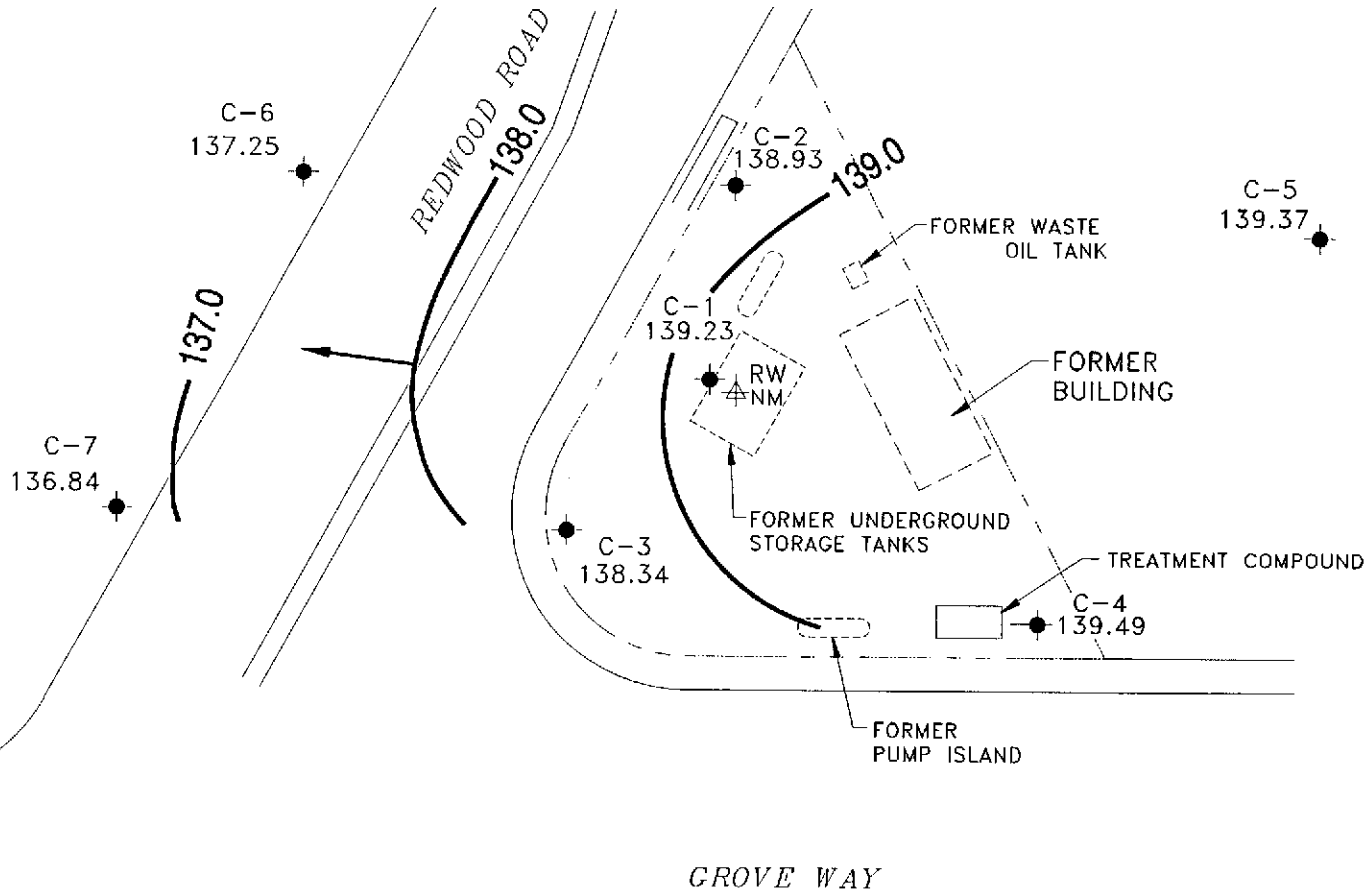


James Keller  
for the Board of Directors

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
- RECOVERY WELL
- NOT MEASURED PER CLIENTS REQUEST
- POTENTIOMETRIC SURFACE ELEVATION (FT)
- POTENTIOMETRIC SURFACE CONTOUR
- GROUNDWATER FLOW DIRECTION



NOTE:  
 1. CONTOURS REPRESENT APPROXIMATE ELEVATIONS ABOVE MEAN SEA LEVEL.

Base map from Groundwater Technology, Inc.

**CAMBRIA**  
 Environmental Technology, Inc.

Former Chevron Station 9-2960  
 2416 Grove Way  
 Castro Valley, California  
 \CHEVRON\9-2960\2960-QM.DWG

Ground Water Elevation  
 April 7, 1995

**FIGURE**  
**1**

**Table of  
Well Data and  
Analytical Results**

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Volumetric Measurements are in gallons.

Analytical results are in parts per billion (ppb)

DATE	Well	Ground	Depth	Volumetric Measurements			Notes	Analytical results					
	Head Elev.	Water Elev.	To Water	SPH Thickness	SPH Removed	Total SPH Removed		TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	
<b>C-1</b>													
10/23/86	153.36	--	--	--	--	--	--	3100	6400	3700	--	4300	
09/10/87	153.36	--	--	--	--	--	--	120,000	25,000	60,000	13,000	56,000	
10/03/90	153.36	134.69	18.67	--	--	--	--	--	--	--	--	--	
10/25/90	153.36	135.22	18.71	0.71	--	--	--	--	--	--	--	--	
01/22/91	153.36	135.22	18.70	0.70	--	--	--	--	--	--	--	--	
02/21/91	153.36	135.44	18.62	0.88	--	--	--	--	--	--	--	--	
04/01/91	153.36	136.47	16.91	0.03	--	--	--	--	--	--	--	--	
04/11/91	153.36	136.49	16.90	0.04	--	--	--	--	--	--	--	--	
07/01/91	153.36	135.75	17.61	0.00	--	--	--	--	--	--	--	--	
09/24/91	153.36	135.17	18.98	0.99	--	--	--	--	--	--	--	--	
10/23/91	153.36	135.03	19.32	1.24	--	--	--	--	--	--	--	--	
11/22/91	153.36	134.53	18.83	0.97	--	--	--	--	--	--	--	--	
01/09/92	153.36	136.10	17.26	--	--	--	--	--	--	--	--	--	
03/06/92	153.36	137.16	16.69	0.61	--	--	--	--	--	--	--	--	
06/04/92	153.36	136.44	17.10	0.22	--	--	--	--	--	--	--	--	
09/28/92	153.36	--	18.71	0.77	--	--	--	--	--	--	--	--	
12/17/92	153.36	--	17.54	0.45	--	--	--	--	--	--	--	--	
04/29/93	153.36	137.50	16.40	0.68	--	--	--	--	--	--	--	--	
07/26/93	153.36	136.92	16.85	0.51	--	--	--	--	--	--	--	--	
10/22/93	153.36	135.55	17.83	0.03	--	--	--	--	--	--	--	--	
01/24/94	153.36	--	--	--	--	--	--	--	--	--	--	--	
04/11/94	153.36	136.01	17.76	0.51	--	--	--	--	--	--	--	--	
07/01/94	153.36	135.95	17.46	0.06	--	--	--	--	--	--	--	--	
10/06/94	153.36	135.24	18.18	0.08	--	--	--	--	--	--	--	--	
01/11/95	153.36	136.63	16.79	0.08	0.04	0.04	--	--	--	--	--	--	
04/07/95	153.36	139.23	14.13	0.00	0.00	0.04	--	44,000	410	100	130	5400	

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.			Volumetric Measurements are in gallons.				Analytical results are in parts per billion (ppb)					
DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>C-2</b>												
10/23/86	151.84	--	--	--	--	--	--	30,000	2700	1900	--	1500
09/10/87	151.84	--	--	--	--	--	--	14,000	2600	2900	500	1200
10/16/89	151.84	--	--	--	--	--	--	600	260	34	1.7	41
01/04/90	151.84	--	--	--	--	--	--	2600	470	150	23	130
04/05/90	151.84	--	--	--	--	--	--	500	280	29	6.3	19
07/02/90	151.84	--	--	--	--	--	--	2400	670	110	17	76
10/03/90	151.84	--	--	--	--	--	--	--	--	--	--	--
10/25/90	151.84	135.24	16.60	--	--	--	--	1300	390	47	9.0	58
01/22/91	151.84	135.15	16.69	--	--	--	--	2600	680	88	29	130
02/21/91	151.84	135.53	16.31	--	--	--	--	--	--	--	--	--
04/01/91	151.84	136.76	15.08	--	--	--	--	--	--	--	--	--
04/11/91	151.84	136.61	15.23	--	--	--	--	--	--	--	--	--
07/01/91	151.84	135.88	15.96	--	--	--	--	--	--	--	--	--
09/24/91	151.84	135.33	16.51	--	--	--	--	3600	1400	63	6.9	63
10/23/91	151.84	135.18	16.66	--	--	--	--	--	--	--	--	--
11/22/91	151.84	135.47	16.37	--	--	--	--	--	--	--	--	--
01/09/92	151.84	136.28	15.56	--	--	--	--	7100	770	740	190	690
03/06/92	151.84	137.47	14.37	--	--	--	--	3200	250	230	59	220
06/04/92	151.84	136.80	15.04	--	--	--	--	1500	<0.5	180	42	130
09/28/92	151.84	135.44	16.40	--	--	--	--	6400	940	230	57	220
12/17/92	151.84	136.46	15.38	--	--	--	--	1500	370	160	6.0	25
04/29/93	151.84	136.87	14.97	0.00	--	--	--	1800	690	120	74	140
07/29/93	151.84	136.92	14.92	0.00	--	--	--	4300	1500	96	29	96
10/22/93	151.84	136.03	15.81	0.00	--	--	--	820	560	57	15	58
01/24/94	151.84	--	--	--	--	--	--	--	--	--	--	--
04/11/94	151.84	136.49	15.35	0.00	--	--	--	2000	240	48	36	110
07/01/94	151.84	136.44	15.40	0.00	--	--	--	370	55	12	3.1	8.6
10/06/94	151.84	135.84	16.00	0.00	--	--	--	150	47	4.8	1.8	5.4
01/11/95	151.84	137.06	14.78	0.00	--	--	--	52	0.65	<0.5	<0.5	<0.5
04/07/95	151.84	138.93	12.91	0.00	--	--	--	1500	260	64	52	85



## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Volumetric Measurements are in gallons.

Analytical results are in parts per billion (ppb)

DATE	Well	Ground	Depth	Volumetric Measurements			Notes	Analytical results				
	Head Elev.	Water Elev.	To Water	SPH Thickness	SPH Removed	Total SPH Removed		TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>C-3</b>												
10/23/86	154.13	--	--	--	--	--	--	3300	49	24	--	20
09/10/87	154.13	--	--	--	--	--	--	200	110	2.6	<2.0	<2.0
10/16/89	154.13	--	--	--	--	--	--	900	640	4.2	1.6	16
01/04/90	154.13	--	--	--	--	--	--	920	430	7.0	6.0	7.0
04/05/90	154.13	--	--	--	--	--	--	930	690	3.4	5.1	4.8
07/02/90	154.13	--	--	--	--	--	--	1700	590	11	4.8	9.4
10/03/90	154.13	134.97	19.16	--	--	--	--	--	--	--	--	--
10/25/90	154.13	134.85	19.28	--	--	--	--	750	510	2.0	6.0	5.0
01/22/91	154.13	134.95	19.18	--	--	--	--	430	260	2.0	2.0	5.0
01/22/91	154.13	134.95	19.18	--	--	--	--	400	250	2.0	2.0	5.0
02/21/91	154.13	135.25	18.88	--	--	--	--	--	--	--	--	--
04/01/91	154.13	136.54	17.59	--	--	--	--	--	--	--	--	--
04/11/91	154.13	136.32	17.81	--	--	--	--	--	--	--	--	--
07/01/91	154.13	135.57	18.56	--	--	--	--	--	--	--	--	--
09/24/91	154.13	135.01	19.12	--	--	--	--	260	52	0.7	0.8	2.2
10/23/91	154.13	134.89	19.24	--	--	--	--	--	--	--	--	--
11/22/91	154.13	135.10	19.03	--	--	--	--	--	--	--	--	--
01/09/92	154.13	135.90	18.23	--	--	--	--	240	120	0.9	<0.5	1.6
03/06/92	154.13	137.09	17.04	--	--	--	--	230	68	1.2	1.2	1.3
06/04/92	154.13	136.34	17.79	--	--	--	--	80	36	0.6	0.5	0.7
09/28/92	154.13	135.13	19.00	--	--	--	--	84	49	<0.5	<0.5	1.5
12/17/92	154.13	135.95	18.18	--	--	--	--	220	30	<0.5	<0.5	<0.5
04/29/93	154.13	135.35	18.78	0.00	--	--	--	380	12	0.6	<0.5	<1.5
07/26/93	154.13	136.41	17.72	0.00	--	--	--	800	38	1.1	<0.5	<1.5
10/22/93	154.13	135.63	18.50	0.00	--	--	--	200	64	0.6	<0.5	<1.5
01/24/94	154.13	135.62	18.51	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
04/11/94	154.13	136.09	18.04	0.00	--	--	--	100	3.6	2.1	<0.5	2.3
07/01/94	154.13	136.01	18.12	0.00	--	--	--	140	3.7	1.2	<0.5	1.0
10/06/94	154.13	135.50	18.63	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
01/11/95	154.13	137.01	17.12	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
04/07/95	154.13	138.34	15.79	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Volumetric Measurements are in gallons.

Analytical results are in parts per billion (ppb)

DATE	Well	Ground	Depth	Total			Notes	Analytical results are in parts per billion (ppb)				
	Head Elev.	Water Elev.	To Water	SPH Thickness	SPH Removed	SPH Removed		TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>C-4</b>												
10/23/86	156.00	--	--	--	--	--	--	570	3.0	4.0	--	5.0
09/10/87	156.00	--	--	--	--	--	--	500	3.0	<0.5	<0.5	<0.5
10/16/89	156.00	--	--	--	--	--	--	<500	12	1.0	<0.5	0.8
01/04/90	156.00	--	--	--	--	--	--	<500	5.0	<0.5	<0.5	0.9
04/05/90	156.00	--	--	--	--	--	--	<50	6.6	<0.5	<0.5	0.7
07/02/90	156.00	--	--	--	--	--	--	71	4.1	<0.5	<0.5	<0.5
10/03/90	156.00	--	--	--	--	--	--	--	--	--	--	--
10/25/90	156.00	135.57	20.43	--	--	--	--	<50	2.0	<0.5	<0.5	<0.5
01/22/91	156.00	135.50	20.50	--	--	--	--	<50	3.0	<0.5	<0.5	<0.5
02/21/91	156.00	135.77	20.23	--	--	--	--	--	--	--	--	--
04/01/91	156.00	136.97	19.03	--	--	--	--	--	--	--	--	--
04/11/91	156.00	136.95	19.05	--	--	--	--	--	--	--	--	--
07/01/91	156.00	136.10	19.90	--	--	--	--	--	--	--	--	--
09/24/91	156.00	135.59	20.41	--	--	--	--	87	1.6	<0.5	<0.5	<0.5
10/23/91	156.00	135.47	20.53	--	--	--	--	--	--	--	--	--
11/22/91	156.00	135.65	20.35	--	--	--	--	--	--	--	--	--
01/09/92	156.00	136.46	19.54	--	--	--	--	51	4.3	<0.5	<0.5	<0.5
01/09/92	156.00	136.46	19.54	--	--	--	--	<50	4.8	<0.5	<0.5	<0.5
03/06/92	156.00	137.74	18.26	--	--	--	--	<50	0.8	<0.5	<0.5	<0.5
06/04/92	156.00	137.08	18.92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
09/28/92	156.00	135.69	20.31	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
12/17/92	156.00	136.43	19.57	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
04/29/93	156.00	138.22	17.78	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<1.5
07/26/93	156.00	--	--	--	--	--	--	--	--	--	--	--
08/18/93	156.00	137.09	18.91	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<1.5
10/22/93	156.00	136.61	19.39	0.00	--	--	--	<50	2.9	2.1	1.1	4.3
01/24/94	156.00	136.58	19.42	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
04/11/94	156.00	136.86	19.14	0.00	--	--	--	<50	<0.5	0.6	<0.5	0.5
07/01/94	156.00	136.80	19.20	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
10/06/94	156.00	136.26	19.74	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
01/11/95	156.00	139.70	16.30	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
04/07/95	156.00	139.49	16.51	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.			Volumetric Measurements are in gallons.				Analytical results are in parts per billion (ppb)					
DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>C-5</b>												
10/03/90	153.38	135.60	17.78	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
10/25/90	153.38	135.46	17.92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
11/09/90	153.38	135.46	17.92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
01/22/91	153.38	135.58	17.80	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
02/21/91	153.38	135.87	17.51	--	--	--	--	--	--	--	--	--
04/01/91	153.38	137.07	16.31	--	--	--	--	--	--	--	--	--
04/11/91	153.38	137.02	16.36	--	--	--	--	--	--	--	--	--
07/01/91	153.38	136.26	17.12	--	--	--	--	--	--	--	--	--
09/24/91	153.38	135.68	17.70	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
09/24/91	153.38	135.68	17.70	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
10/23/91	153.38	135.56	17.82	--	--	--	--	--	--	--	--	--
11/22/91	153.38	135.77	17.61	--	--	--	--	--	--	--	--	--
01/09/92	153.38	136.34	17.04	--	--	--	--	<50	<0.5	0.7	<0.5	<0.5
03/06/92	153.38	137.62	15.76	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
06/04/92	153.38	136.98	16.40	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
09/28/92	153.38	135.80	17.58	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
12/17/92	153.38	136.56	16.82	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
04/29/93	153.38	138.14	15.24	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<1.5
07/26/93	153.38	137.08	16.30	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<1.5
10/22/93	153.38	136.30	17.08	0.00	--	--	--	52	2.3	2.7	1.1	5.2
01/24/94	153.38	136.25	17.13	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
04/11/94	153.38	136.75	16.63	0.00	--	--	--	<50	<0.5	0.7	<0.5	0.6
07/01/94	153.38	136.73	16.65	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
10/06/94	153.38	136.16	17.22	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
01/11/95	153.38	137.41	15.97	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
04/07/95	153.38	139.37	14.01	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Volumetric Measurements are in gallons.

Analytical results are in parts per billion (ppb)

DATE	Well	Ground	Depth	Volumetric Measurements			Notes	Analytical results				
	Head Elev.	Water Elev.	To Water	SPH Thickness	SPH Removed	Total SPH Removed		TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>C-6</b>												
10/03/90	152.84	134.70	18.14	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
10/25/90	152.84	134.55	18.29	--	--	--	--	<50	<0.5	1.0	<0.5	<0.5
11/09/90	152.84	134.58	18.26	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
01/22/91	152.84	134.69	18.15	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
02/21/91	152.84	134.92	17.92	--	--	--	--	--	--	--	--	--
04/01/91	152.84	135.73	17.11	--	--	--	--	--	--	--	--	--
04/11/91	152.84	135.83	17.01	--	--	--	--	--	--	--	--	--
07/01/91	152.84	135.12	17.72	--	--	--	--	--	--	--	--	--
09/24/91	152.84	135.72	17.12	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
10/23/91	152.84	134.59	18.25	--	--	--	--	--	--	--	--	--
11/22/91	152.84	134.79	18.05	--	--	--	--	--	--	--	--	--
01/09/92	152.84	135.42	17.42	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
03/06/92	152.84	136.33	16.51	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
06/04/92	152.84	135.83	17.01	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
09/28/92	152.84	134.84	18.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
12/17/92	152.84	135.58	17.26	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
04/29/93	152.84	136.61	16.23	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5
07/29/93	152.84	135.88	16.96	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5
10/22/93	152.84	135.38	17.46	0.00	--	--	--	74	7.4	6.1	3.3	9.7
01/24/94	152.84	135.38	17.46	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
04/11/94	152.84	135.64	17.20	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
07/01/94	152.84	135.66	17.18	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
10/06/94	152.84	135.19	17.65	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
01/11/95	152.84	136.18	16.66	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
04/07/95	152.84	137.25	15.59	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Volumetric Measurements are in gallons.

Analytical results are in parts per billion (ppb)

DATE	Well	Ground	Depth	Total			Notes	TPH- Gasoline	Benzene	Toluene	Ethyl- Benzene	Xylene
	Head Elev.	Water Elev.	To Water	SPH Thickness	SPH Removed	SPH Removed						
<b>C-7</b>												
10/03/90	155.34	134.52	20.82	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
10/25/90	155.34	134.43	20.91	--	--	--	--	<50	<0.5	1.0	<0.5	<0.5
11/09/90	155.34	134.40	20.94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
01/22/91	155.34	133.84	21.50	--	--	--	--	<50	4.0	<0.5	<0.5	<0.5
02/21/91	155.34	134.63	20.71	--	--	--	--	--	--	--	--	--
04/01/91	155.34	135.34	20.00	--	--	--	--	--	--	--	--	--
04/11/91	155.34	135.29	20.05	--	--	--	--	--	--	--	--	--
07/01/91	155.34	134.82	20.52	--	--	--	--	--	--	--	--	--
09/24/91	155.34	134.52	20.82	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
10/23/91	155.34	134.43	20.91	--	--	--	--	--	--	--	--	--
11/22/91	155.34	134.55	20.79	--	--	--	--	--	--	--	--	--
01/09/92	155.34	135.18	20.16	--	--	--	--	<50	<0.5	<0.5	<0.5	0.9
03/06/92	155.34	135.92	19.42	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
06/04/92	155.34	135.53	19.81	--	--	--	--	250	<0.5	<0.5	<0.5	<0.5
09/28/92	155.34	134.69	20.65	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
12/17/92	155.34	135.32	20.02	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
04/29/93	155.34	136.19	19.15	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<1.5
07/26/93	155.34	135.57	19.77	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<1.5
10/22/93	155.34	135.17	20.17	0.00	--	--	--	--	--	--	--	--
01/24/94	155.34	135.11	20.23	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
04/11/94	155.34	135.39	19.95	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
07/01/94	155.34	135.42	19.92	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
10/06/94	155.34	135.03	20.31	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
01/11/95	155.34	135.98	19.36	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
04/07/95	155.34	136.84	18.50	0.00	--	--	--	<50	<0.5	<0.5	<0.5	<0.5

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.			Volumetric Measurements are in gallons.				Analytical results are in parts per billion (ppb)					
DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>TRIP BLANK</b>												
10/03/90	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
10/25/90	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
11/09/90	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
01/22/91	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
09/24/91	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
01/09/92	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
03/06/92	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
06/04/92	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
09/28/92	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
12/17/92	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
04/29/93	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5
07/26/93	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5
10/22/93	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5
01/24/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
04/11/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
07/01/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
10/06/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
01/11/95	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
04/07/95	--	--	--	--	--	--	--	<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  
 SPH = Seperate-Phase Hydrocarbons

# Analytical Appendix



Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-2960, 950407-K2 Sample Descript: C-1 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9504564-01	Sampled: 04/07/95 Received: 04/10/95 Analyzed: 04/17/95 Reported: 04/19/95
--	---	---

QC Batch Number: GC041795BTEX02A  
Instrument ID: GCHP02

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	5000	44000
Benzene	50	410
Toluene	50	100
Ethyl Benzene	50	130
Xylenes (Total)	50	5400
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

  
Suzanne Chin  
Project Manager







Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-2960, 950407-K2 Sample Descript: C-2 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9504564-02	Sampled: 04/07/95 Received: 04/10/95 Analyzed: 04/18/95 Reported: 04/19/95
--	---	---

QC Batch Number: GC041795BTEX21A  
Instrument ID: GCHP21

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	250	1500
Benzene	2.5	260
Toluene	2.5	64
Ethyl Benzene	2.5	52
Xylenes (Total)	2.5	85
Chromatogram Pattern:		Gas

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	78

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

**SEQUOIA ANALYTICAL** - ELAP #1210



Suzanne Chin  
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-2960, 950407-K2 Sample Descript: C-3 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9504564-03	Sampled: 04/07/95 Received: 04/10/95 Analyzed: 04/17/95 Reported: 04/19/95
--	---	---

QC Batch Number: GC041795BTEX03A  
Instrument ID: GCHP03

### 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	79

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

SEQUOIA ANALYTICAL - ELAP #1210

  
Suzanne Chin  
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-2960, 950407-K2 Sample Descript: C-4 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9504564-04	Sampled: 04/07/95 Received: 04/10/95 Analyzed: 04/17/95 Reported: 04/19/95
--	---	---

QC Batch Number: GC041795BTEX02A  
Instrument ID: GCHP02

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70                      130	105

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

**SEQUOIA ANALYTICAL** - ELAP #1210

  
Suzanne Chin  
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-2960, 950407-K2 Sample Descript: C-5 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9504564-05	Sampled: 04/07/95 Received: 04/10/95 Analyzed: 04/17/95 Reported: 04/19/95
--	---	---

QC Batch Number: GC041795BTEX02A  
Instrument ID: GCHP02

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	99

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

**SEQUOIA ANALYTICAL** - ELAP #1210

  
Suzanne Chin  
Project Manager





Blaine Technical Services  
985 Timothy Drive  
San Jose, CA 95133

Client Proj. ID: Chevron 9-2960, 950407-K2  
Sample Descript: C-6  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9504564-06

Sampled: 04/07/95  
Received: 04/10/95  
Analyzed: 04/17/95  
Reported: 04/19/95

QC Batch Number: GC041795BTEX02A  
Instrument ID: GCHP02

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	103

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

**SEQUOIA ANALYTICAL** - ELAP #1210

  
Suzanne Chin  
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-2960, 950407-K2 Sample Descript: C-7 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9504564-07	Sampled: 04/07/95 Received: 04/10/95 Analyzed: 04/17/95 Reported: 04/19/95
--	---	---

QC Batch Number: GC041795BTEX02A  
Instrument ID: GCHP02

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70                      130	97

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

**SEQUOIA ANALYTICAL** - ELAP #1210

  
Suzanne Chin  
Project Manager





Blaine Technical Services  
985 Timothy Drive  
San Jose, CA 95133

Client Proj. ID: Chevron 9-2960, 950407-K2  
Sample Descript: TB  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9504564-08

Sampled: 04/07/95  
Received: 04/10/95  
Analyzed: 04/17/95  
Reported: 04/19/95

QC Batch Number: GC041795BTEX02A  
Instrument ID: GCHP02

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	98

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

SEQUOIA ANALYTICAL - ELAP #1210

  
Suzanne Chin  
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 9-2960, 950407-K2

Received: 04/10/95

Lab Proj. ID: 9504564

Reported: 04/19/95

## LABORATORY NARRATIVE

TPPH Note: Sample 9504564-01 was diluted 100-fold.  
Sample 9504564-02 was diluted 5-fold.

**SEQUOIA ANALYTICAL**

  
Suzanne Chin  
Project Manager







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

Client Project ID: Chevron 9-2960, 950407-K2  
Matrix: Liquid

Work Order #: 9504564 -01, 04-08

Reported: Apr 20, 1995

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC041795BTEX02A	GC041795BTEX02A	GC041795BTEX02A	GC041795BTEX02A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	950433113	950433113	950433113	950433113
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/17/95	4/17/95	4/17/95	4/17/95
Analyzed Date:	4/17/95	4/17/95	4/17/95	4/17/95
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	10	10	31
MS % Recovery:	100	100	100	103
Dup. Result:	10	10	10	31
MSD % Recov.:	100	100	100	103
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

SEQUOIA ANALYTICAL

Suzanne Chin  
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

9504564.BLA <1>





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

Client Project ID: Chevron 9-2960, 950407-K2  
Matrix: Liquid

Work Order #: 9504564-02

Reported: Apr 20, 1995

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC041795BTEX21A	GC041795BTEX21A	GC041795BTEX21A	GC041795BTEX21A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	950444408	950444408	950444408	950444408
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/17/95	4/17/95	4/17/95	4/17/95
Analyzed Date:	4/17/95	4/17/95	4/17/95	4/17/95
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.2	10	10	30
MS % Recovery:	92	100	100	100
Dup. Result:	9.0	9.8	9.9	29
MSD % Recov.:	90	98	99	97
RPD:	2.2	2.0	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	71-133	72-128	72-130	71-120
Control Limits				

**SEQUOIA ANALYTICAL**

Suzanne Chin  
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

9504564.BLA <2>





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

Client Project ID: Chevron 9-2960, 950407-K2  
Matrix: Liquid

Work Order #: 9504564-03

Reported: Apr 20, 1995

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC041795BTEX03A	GC041795BTEX03A	GC041795BTEX03A	GC041795BTEX03A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	950444409	950444409	950444409	950444409
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	4/17/95	4/17/95	4/17/95	4/17/95
Analyzed Date:	4/17/95	4/17/95	4/17/95	4/17/95
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.8	9.6	9.4	29
MS % Recovery:	98	96	94	97
Dup. Result:	9.3	9.1	9.0	27
MSD % Recov.:	93	91	90	90
RPD:	5.2	5.3	4.3	7.1
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

  
Suzanne Chin  
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

9504564.BLA <3>





# Field Data Sheets



# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950407-102</u>	Station #: <u>9-2960</u>
Sampler: <u>KCB</u>	Date Sampled: <u>4/7</u>
Well I.D.: <u>C-1</u>	Well Diameter: (circle one) 2 <u>(3)</u> 4 6
Total Well Depth: Before <u>2550</u> After	Depth to Water: Before <u>1413</u> After
Depth to Free Product: <u>          </u>	Thickness of Free Product (feet):
Measurements referenced to: <u>(FVC)</u>	Grade      Other --

<u>4.2</u>	<u>x</u>	<u>3</u>	<u>=</u>	<u>12.6</u>
1 Case Volume		Specified Volumes		gallons

Purging:  Bailer  
 Middleburg  
 Electric Submersible  
 Suction Pump  
 Type of Installed Pump \_\_\_\_\_

Sampling:  Bailer  
 Middleburg  
 Electric Submersible  
 Suction Pump  
 Installed Pump \_\_\_\_\_

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1512</u>	<u>68.2</u>	<u>6.9</u>	<u>1000</u>	<u>—</u>	<u>4.5</u>	<u>Very Hwy clear</u>
<u>1518</u>	<u>68.4</u>	<u>6.8</u>	<u>1000</u>	<u>—</u>	<u>9.0</u>	<u>strong gas od</u>
<u>1524</u>	<u>68.4</u>	<u>6.8</u>	<u>1100</u>	<u>—</u>	<u>13.0</u>	<u>globs of FP</u>
						<u>blky/greyish water</u>

Did Well Dewater?  If yes, gals.            Gallons Actually Evacuated: 13

Sampling Time: 1530

Sample I.D.: C-1      Laboratory: See

Analyzed for: EPHC, BTEX

Duplicate I.D.: \_\_\_\_\_      Cleaning Blank I.D.: \_\_\_\_\_

Analyzed for: \_\_\_\_\_

Shipping Notations: \_\_\_\_\_

Additional Notations: \_\_\_\_\_

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950407-1C1</u>	Station #: <u>9-2960</u>
Sampler: <u>1CCB</u>	Date Sampled: <u>4/7</u>
Well I.D.: <u>C-2</u>	Well Diameter: (circle one) <u>2</u> 3 4 6
Total Well Depth: Before <u>2945</u> After	Depth to Water: Before <u>1291</u> After
Depth to Free Product: <u>    </u>	Thickness of Free Product (feet):
Measurements referenced to: <u>PVC</u>	Grade      Other --

<u>6.1</u>	<u>x</u>	<u>3</u>	<u>=</u>	<u>18.3</u>
1 Case Volume		Specified Volumes		gallons

Purging: <u>Bailer</u> Middleburg Electric Submersible Suction Pump Type of Installed Pump <u>    </u>	Sampling: <u>Bailer</u> Middleburg Electric Submersible Suction Pump Installed Pump
--	---

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1441</u>	<u>67.8</u>	<u>7.3</u>	<u>1200</u>	<u>—</u>	<u>640</u>	
<u>1451</u>	<u>67.8</u>	<u>7.4</u>	<u>1300</u>	<u>—</u>	<u>13</u>	
<u>1500</u>	<u>67.8</u>	<u>7.4</u>	<u>1200</u>	<u>—</u>	<u>19</u>	

Did Well Dewater? ✓ If yes, gals      Gallons Actually Evacuated: 19

Sampling Time: <u>1505</u>
Sample I.D.: <u>C-2</u> Laboratory: <u>Sec</u>
Analyzed for: <u>TOHC, BTEX</u>
Duplicate I.D.:      Cleaning Blank I.D.:
Analyzed for:
Shipping Notations:
Additional Notations:



# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950407-K1</u>	Station #: <u>9-2980</u>
Sampler: <u>KCP</u>	Date Sampled: <u>4/7</u>
Well I.D.: <u>C-3</u>	Well Diameter: (circle one) 2 <u>(3)</u> 4 6
Total Well Depth: Before <u>3028</u> After _____	Depth to Water: Before <u>1579</u> After _____
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Measurements referenced to: <u>DVC</u>	Grade _____ Other -- _____

<u>5.3</u>	<u>x</u>	<u>3</u>	=	<u>15.9</u>
1 Case Volume		Specified Volumes		gallons

Purging:  Bailer  
 Middleburg  
 Electric Submersible  
 Suction Pump  
 Type of Installed Pump \_\_\_\_\_

Sampling:  Bailer  
 Middleburg  
 Electric Submersible  
 Suction Pump  
 Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1415</u>	<u>67.0</u>	<u>7.2</u>	<u>1200</u>	<u>—</u>	<u>6</u>	
<u>1422</u>	<u>66.8</u>	<u>7.2</u>	<u>1300</u>	<u>—</u>	<u>11</u>	
<u>1428</u>	<u>66.6</u>	<u>7.3</u>	<u>1200</u>	<u>—</u>	<u>16</u>	

Did Well Dewater?  If yes, gals. \_\_\_\_\_ Gallons Actually Evacuated: 16

Sampling Time: 1430

Sample I.D.: C-3 Laboratory: Set

Analyzed for: TRIC, BTX

Duplicate I.D.: \_\_\_\_\_ Cleaning Blank I.D.: \_\_\_\_\_

Analyzed for: \_\_\_\_\_

Shipping Notations: \_\_\_\_\_

Additional Notations: \_\_\_\_\_

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950407-102</u>	Station #: <u>9-2960</u>
Sampler: <u>LCB</u>	Date Sampled: <u>4/9</u>
Well I.D.: <u>C-4</u>	Well Diameter: (circle one) 2 <u>(3)</u> 4 6
Total Well Depth: Before <u>2886</u> After	Depth to Water: Before <u>1651</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>(PVC)</u>	Grade Other --

<u>4.5</u>	<u>x</u>	<u>3</u>	<u>=</u>	<u>13.5</u>
1 Case Volume		Specified Volumes		gallons

Purging:  Bailer  
 Middleburg  
 Electric Submersible  
 Suction Pump  
 Type of Installed Pump \_\_\_\_\_

Sampling:  Bailer  
 Middleburg  
 Electric Submersible  
 Suction Pump  
 Installed Pump \_\_\_\_\_

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1345</u>	<u>68.4</u>	<u>7.6</u>	<u>1000</u>	<u>—</u>	<u>4.5</u>	
<u>1351</u>	<u>68.8</u>	<u>7.6</u>	<u>1000</u>	<u>—</u>	<u>9.0</u>	
<u>1358</u>	<u>68.8</u>	<u>7.6</u>	<u>1000</u>	<u>—</u>	<u>13.5</u>	

Did Well Dewater? N If yes, gals. ← Gallons Actually Evacuated: 13.5

Sampling Time: <u>1405</u>
Sample I.D.: <u>C-4</u> Laboratory: <u>See</u>
Analyzed for: <u>TPHC, BTEX</u>
Duplicate I.D.: _____ Cleaning Blank I.D.: _____
Analyzed for: _____
Shipping Notations: _____
Additional Notations: _____

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950407-1A</u>	Station #: <u>9-2960</u>
Sampler: <u>KWB</u>	Date Sampled: <u>4/7</u>
Well I.D.: <u>C-5</u>	Well Diameter: (circle one) <u>2</u> 3 4 6
Total Well Depth: Before <u>2894</u> After	Depth to Water: Before <u>1401</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>PVC</u>	Grade Other --

<u>2.3</u>	x	<u>3</u>	=	<u>6.9</u>
1 Case Volume		Specified Volumes		gallons

Purging: Bailer  
 Middleburg  
 Electric Submersible  
 Suction Pump  
 Type of Installed Pump

Sampling: Bailer  
 Middleburg  
 Electric Submersible  
 Suction Pump  
 Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1321</u>	<u>67.4</u>	<u>7.8</u>	<u>1200</u>	<u>—</u>	<u>3</u>	
<u>1322</u>	<u>67.2</u>	<u>7.6</u>	<u>1400</u>	<u>—</u>	<u>5</u>	
<u>1326</u>	<u>87.4</u>	<u>7.5</u>	<u>1400</u>	<u>—</u>	<u>7</u>	

Did Well Dewater?  If yes, gals. Gallons Actually Evacuated: 7

Sampling Time: 1330

Sample I.D.: C-5 Laboratory: See

Analyzed for: TPH, BTEX

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

Analyzed for:

Shipping Notations:

Additional Notations:

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>ES0407-12</u>	Station #: <u>9-2860</u>
Sampler: <u>ICFB</u>	Date Sampled: <u>4/7</u>
Well I.D.: <u>C-6</u>	Well Diameter: (circle one) <u>(2)</u> 3 4 6
Total Well Depth: Before <u>2750</u> After	Depth to Water: Before <u>1559</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to:	PVC      Grade      Other --

<u>1.9</u>	<u>x</u>	<u>3</u>	<u>=</u>	<u>57</u>
1 Case Volume		Specified Volumes		gallons

Purging:  Bailer  
 Middleburg  
 Electric Submersible  
 Suction Pump  
 Type of Installed Pump \_\_\_\_\_

Sampling:  Bailer  
 Middleburg  
 Electric Submersible  
 Suction Pump  
 Installed Pump \_\_\_\_\_

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1227</u>	<u>67.2</u>	<u>7.4</u>	<u>1200</u>	<u>—</u>	<u>2</u>	
<u>1230</u>	<u>67.0</u>	<u>7.4</u>	<u>1200</u>	<u>—</u>	<u>4</u>	
<u>1233</u>	<u>67.0</u>	<u>7.3</u>	<u>1200</u>	<u>—</u>	<u>6</u>	

Did Well Dewater?  If yes, gals. \_\_\_\_\_ Gallons Actually Evacuated: 6

Sampling Time: 1240

Sample I.D.: C-6      Laboratory: Seq

Analyzed for: TOTAL, BTEX

Duplicate I.D.: \_\_\_\_\_      Cleaning Blank I.D.: \_\_\_\_\_

Analyzed for: \_\_\_\_\_

Shipping Notations: \_\_\_\_\_

Additional Notations: \_\_\_\_\_

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>980407-KR</u>	Station #: <u>9-2960</u>
Sampler: <u>KUP</u>	Date Sampled: <u>4/7</u>
Well I.D.: <u>AW C7</u>	Well Diameter: (circle one) <u>2</u> 3 4 6
Total Well Depth: Before <u>3274</u> After	Depth to Water: Before <u>1850</u> After
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Measurements referenced to: <u>FVC</u> Grade Other --	

<u>2.2</u>	<u>x</u>	<u>3</u>	<u>=</u>	<u>6.6</u>
1 Case Volume		Specified Volumes		gallons

Purging: ~~Bailer~~  
~~Middleburg~~  
~~Electric Submersible~~  
~~Suction Pump~~  
 Type of Installed Pump \_\_\_\_\_

Sampling: ~~Bailer~~  
~~Middleburg~~  
~~Electric Submersible~~  
~~Suction Pump~~  
 Installed Pump \_\_\_\_\_

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1252</u>	<u>68.2</u>	<u>7.6</u>	<u>1200</u>	<u>—</u>	<u>2.5</u>	
<u>1256</u>	<u>68.4</u>	<u>7.8</u>	<u>1400</u>	<u>—</u>	<u>5.0</u>	
<u>1259</u>	<u>68.6</u>	<u>7.8</u>	<u>1400</u>	<u>—</u>	<u>7.0</u>	

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

Sampling Time: 1205

Sample I.D.: C7 Laboratory: Seq

Analyzed for: TPHC, BTEX

Duplicate I.D.: \_\_\_\_\_ Cleaning Blank I.D.: \_\_\_\_\_

Analyzed for: \_\_\_\_\_

Shipping Notations: \_\_\_\_\_

Additional Notations: \_\_\_\_\_