

# BLAINE TECH SERVICES INC.

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July 25, 1995

Mark Miller  
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P.O. Box 5004  
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## 2nd Quarter 1995 Monitoring at 9-0076

Second Quarter 1995 Groundwater Monitoring at  
Chevron Service Station Number 9-0076  
4265 Foothill Blvd.  
Oakland, CA

Monitoring Performed on June 20, 1995

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### Groundwater Sampling Report 950620-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.

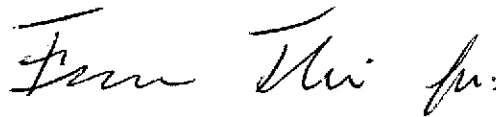
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**. The table also contains new groundwater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

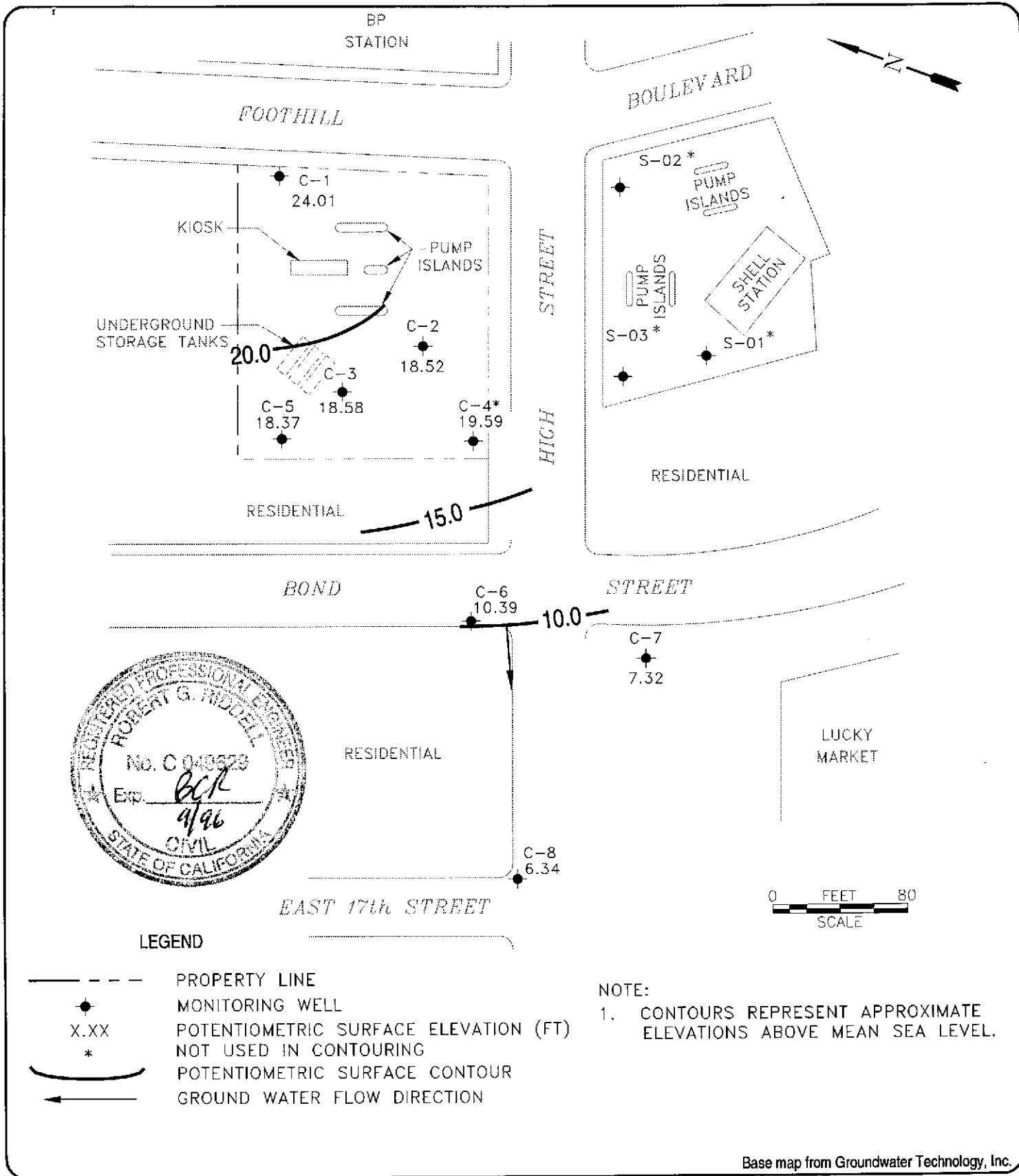
A handwritten signature in cursive script, appearing to read "James Keller".

James Keller  
for the Board of Directors

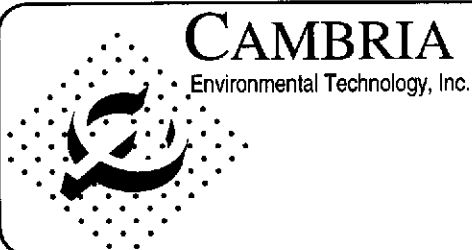
JPK/dk

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

# **Professional Engineering Appendix**



Base map from Groundwater Technology, Inc.



Chevron Station 9-0076  
4265 Foothill Boulevard  
Oakland, California

VCHEVRON9-00760076-QM.DWG

Ground Water Elevation  
June 20, 1995

FIGURE

1

**Table of  
Well Data and  
Analytical Results**

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>C-1</b>									
04/28/89	35.42	15.37	20.05	--	940	30	1.3	11	13
08/08/89	35.42	11.35	24.07	--	820	45	2.0	13	13
12/21/89	35.42	12.61	22.81	--	--	--	--	--	--
08/27/90	35.42	13.30	22.12	--	440	15	1.0	6.0	13
11/04/90	35.42	9.86	25.56	--	--	--	--	--	--
06/18/91	35.42	13.78	21.64	--	74	5.6	0.6	1.9	1.3
09/19/91	35.42	10.84	24.58	--	150	7.1	<0.5	2.3	3.0
12/20/91	35.42	9.25	26.17	--	250	10	<0.5	3.7	1.6
03/18/92	35.42	17.17	18.25	--	190	16	<0.5	8.5	2.9
07/14/92	35.42	7.81	27.61	--	20,000	480	2200	510	2900
10/08/92	35.42	10.98	24.44	--	360	34	4.6	19	12
01/08/93	35.42	15.74	19.68	--	120	9.1	0.5	5.1	1.8
04/14/93	35.42	19.04	16.38	--	190	74	0.6	1.0	2.0
07/16/93	35.42	--	--	--	--	--	--	--	--
07/27/93	35.42	26.03	9.39	--	300	12	<0.5	5.0	2.0
09/21/93	38.41	16.99	21.42	--	360	12	1.2	5.8	3.7
01/28/94	38.41	18.84	19.57	--	370	24	1.0	13	4.0
03/17/94	38.41	21.56	16.85	--	460	42	<0.5	6.7	3.7
06/16/94	38.41	20.58	17.83	--	320	20	0.7	8.7	3.0
09/22/94	38.41	18.15	20.26	--	380	24	0.6	8.8	1.9
12/15/94	38.41	22.59	15.82	--	280	23	7.6	7.8	13
03/30/95	38.41	26.39	12.02	--	2200	890	8.9	15	<5.0
06/20/95	38.41	24.01	14.40	--	690	140	<2.0	9.4	2.8

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>C-2</b>									
04/28/89	35.18	8.74	26.44	--	120,000	30,000	22,000	3000	17,000
08/08/89	35.18	5.29	29.90	Free Product (0.01')	--	--	--	--	--
12/21/89	35.18	5.86	29.32	--	--	--	--	--	--
08/27/90	35.18	5.77	29.55	Free Product (0.17')	--	--	--	--	--
11/04/90	35.18	4.71	30.47	--	--	--	--	--	--
06/18/91	35.18	6.90	28.33	Free Product (0.06')	--	--	--	--	--
09/19/91	35.18	5.84	29.39	Free Product (0.06')	--	--	--	--	--
12/20/91	35.18	5.95	29.23	--	170,000	20,000	10,000	2800	19,000
03/18/92	35.18	21.58	13.60	Free Product (0.09')	--	--	--	--	--
07/14/92	35.18	--	--	--	--	--	--	--	--
10/08/92	35.18	--	--	--	--	--	--	--	--
01/08/93	35.18	10.98	24.20	Sheen	79,000	14,000	7200	3500	16,000
04/14/93	35.18	--	--	--	--	--	--	--	--
07/16/93	35.18	5.03	30.15	--	2200	440	73	24	350
09/21/93	37.47	11.18	26.29	--	11,000	2300	300	270	910
01/28/94	37.47	13.51	23.96	--	49,000	11,000	3900	1600	12,000
03/17/94	37.47	11.48	25.99	--	16,000	3300	1000	220	3500
06/16/94	37.47	13.55	23.92	--	20,000	4800	1500	520	4300
09/22/94	37.47	11.85	25.62	--	35,000	5600	850	1700	7300
12/15/94	37.47	16.31	21.16	--	96,000	9000	3500	3300	13,000
03/30/95	37.47	20.29	17.18	--	100,000	9400	3700	3900	14,000
06/20/95	37.47	18.52	18.95	--	93,000	6400	1900	2900	11,000

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>C-3</b>									
04/28/89	35.28	7.28	28.00	--	<500	1.7	<0.5	<0.5	<0.5
08/08/89	35.28	5.28	30.00	--	<500	1.0	<0.5	<0.5	<0.5
12/21/89	35.28	4.75	30.53	--	--	--	--	--	--
08/27/90	35.28	5.60	29.68	--	<50	<0.3	<0.3	<0.3	<0.6
11/04/90	35.30	4.94	30.36	--	--	--	--	--	--
06/18/91	35.30	6.84	28.46	--	52	1.1	<0.5	<0.5	1.2
09/19/91	35.30	5.97	29.33	--	73	1.2	<0.5	<0.5	<0.5
12/20/91	35.30	5.53	29.77	--	<50	0.7	<0.5	<0.5	<0.5
03/18/92	35.30	9.55	25.75	--	<50	<0.5	<0.5	<0.5	<0.5
07/14/92	35.30	7.43	27.87	--	<50	<0.5	<0.5	<0.5	<0.5
10/08/92	35.30	6.75	28.55	--	<50	<0.5	<0.5	<0.5	0.5
01/08/93	35.30	9.45	25.85	--	<50	<0.5	<0.5	<0.5	<0.5
04/14/93	35.30	11.34	23.96	--	<50	<0.5	<0.5	<0.5	<0.5
07/16/93	35.30	9.66	25.64	--	<50	<0.5	<0.5	<0.5	<0.5
09/21/93	38.37	12.15	26.22	--	<50	0.7	<0.5	<0.5	<0.8
01/28/94	38.37	12.71	25.66	--	<50	2.0	<0.5	<0.5	1.0
03/17/94	38.37	13.42	24.95	--	<50	2.8	<0.5	0.6	1.5
06/16/94	38.37	14.06	24.31	--	<50	1.4	<0.5	<0.5	<0.5
09/22/94	38.37	13.33	25.04	--	<50	0.6	<0.5	<0.5	<0.5
12/15/94	38.37	16.15	22.22	--	<50	2.6	1.7	0.82	4.5
03/30/95	38.37	19.95	18.42	--	<50	<0.5	<0.5	<0.5	<0.5
06/20/95	38.37	18.58	19.79	--	110	2.2	<0.5	<0.5	1.2



## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>C-4</b>									
01/12/89	33.45	3.96	29.49	--	--	--	--	--	--
04/12/89	33.45	6.01	27.44	--	--	--	--	--	--
04/28/89	33.45	3.96	29.49	--	20,000	6300	550	230	1500
08/08/89	33.45	3.90	29.55	--	8000	7500	340	88	1000
12/21/89	33.45	3.43	30.02	--	--	--	--	--	--
08/27/90	33.48	4.46	29.02	--	26,000	10,000	280	410	1400
11/04/90	33.48	3.67	29.81	--	--	--	--	--	--
06/18/91	33.48	6.03	27.45	--	34,000	14,000	410	450	1300
09/19/91	33.48	4.83	28.65	--	16,000	7400	90	110	460
12/20/91	33.48	4.64	28.84	--	24,000	12,000	120	260	740
03/18/92	33.48	11.05	24.43	--	48,000	6000	1300	1300	2400
07/14/92	33.48	6.59	26.89	--	40,000	14,000	920	550	2400
10/08/92	33.48	5.69	27.79	--	29,000	13,000	190	110	1400
01/08/93	33.48	9.98	23.50	--	25,000	7000	630	860	1800
04/14/93	33.48	12.35	21.13	--	27,000	6300	1000	900	1400
07/16/93	33.48	9.52	23.96	--	28,000	7800	1100	830	2100
09/21/93	36.49	10.98	25.51	--	30,000	9600	130	390	1300
01/28/94	36.49	13.18	23.31	--	18,000	7800	440	260	1200
03/17/94	36.49	15.14	21.35	--	32,000	7800	820	820	1800
06/16/94	36.49	13.99	22.50	--	25,000	7600	710	600	1800
09/22/94	36.49	12.56	23.93	--	25,000	7800	140	600	1100
12/15/94	36.49	17.47	19.02	--	38,000	7600	460	1200	2000
03/30/95	36.49	21.63	14.86	--	41,000	8700	1600	1800	3000
06/20/95	36.49	19.59	16.90	--	29,000	6000	890	960	1800

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>C-5</b>									
08/27/90	35.50	5.67	29.83	--	<50	<0.3	<0.3	<0.3	<0.6
11/14/90	35.50	4.94	30.56	--	--	--	--	--	--
06/18/91	35.50	6.98	28.52	--	<50	<0.5	<0.5	<0.5	<0.5
09/19/91	35.50	5.99	29.51	--	<50	<0.5	<0.5	<0.5	<0.5
12/20/91	35.50	5.54	29.96	--	<50	<0.5	<0.5	<0.5	<0.5
03/18/92	35.50	9.58	25.92	--	<50	<0.5	<0.5	<0.5	<0.5
07/14/92	35.50	7.50	28.00	--	<50	<0.5	<0.5	<0.5	<0.5
10/08/92	35.50	6.85	28.65	--	<50	<0.5	<0.5	<0.5	<0.5
01/08/93	35.50	9.48	26.02	--	<50	<0.5	<0.5	<0.5	<0.5
04/14/93	35.50	11.46	24.04	--	<50	<0.5	<0.5	<0.5	<0.5
07/16/93	35.50	10.29	25.21	--	<50	<0.5	<0.5	<0.5	<0.5
09/21/93	38.50	12.14	26.36	--	60	10	8.1	1.9	9.4
01/28/94	38.50	12.60	25.90	--	<50	<0.5	<0.5	<0.5	<0.5
03/17/94	38.50	14.00	24.50	--	<50	<0.5	<0.5	<0.5	<0.5
06/16/94	38.50	14.10	24.40	--	<50	<0.5	<0.5	<0.5	<0.5
09/22/94	38.50	13.34	25.16	--	<50	<0.5	<0.5	<0.5	<0.5
12/15/94	38.50	15.61	22.89	--	<50	<0.5	<0.5	<0.5	<0.5
03/30/95	38.50	19.96	18.54	--	<50	<0.5	<0.5	<0.5	<0.5
06/20/95	38.50	18.37	20.13	--	<50	<0.5	<0.5	<0.5	<0.5

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well	Ground	Depth	Notes	Analytical results are in parts per billion (ppb)				
	Head Elev.	Water Elev.	To Water		TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>C-6</b>									
08/27/90	32.40	-11.71	44.11	--	7200	2100	6.0	41	300
11/14/90	32.40	-11.63	44.03	--	--	--	--	--	--
06/18/91	32.40	-11.09	43.49	--	4400	2500	18	160	77
09/19/91	32.40	-1.92	34.32	--	3100	1600	8.3	73	8.0
12/20/91	32.40	-8.95	41.35	--	4400	1300	3.2	74	10
03/18/92	32.40	-8.29	40.69	--	9800	3200	34	250	500
07/14/92	32.40	-6.49	38.89	--	6500	2200	100	96	240
10/08/92	32.40	-6.27	38.67	--	1800	1000	3.1	15	41
01/08/93	32.40	-5.41	37.81	--	5200	1600	6.8	63	120
04/14/93	32.40	-2.30	34.70	--	11,000	1800	13	110	200
07/16/93	32.40	-1.47	33.87	--	4800	820	10	41	57
09/21/93	35.40	1.42	33.98	--	4100	1200	<50	75	130
01/28/94	35.40	1.54	33.86	--	3100	930	14	40	34
03/17/94	35.40	3.09	32.31	--	5100	950	18	61	83
06/16/94	35.40	3.90	31.50	--	3800	970	6.4	52	62
09/22/94	35.40	4.18	31.22	--	4100	980	7.8	43	48
12/15/94	35.40	4.00	31.40	--	5000	1400	<20	73	61
03/30/95	35.40	9.02	26.38	--	5500	1700	<13	120	97
06/20/95	35.40	10.39	25.01	--	1700	470	<10	29	16

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>C-7</b>									
08/27/90	32.17	-12.06	44.23	--	110	26	0.8	4.0	6.0
11/14/90	32.17	-11.94	44.11	--	--	--	--	--	--
06/18/91	32.17	-9.88	42.05	--	23,000	5700	420	1000	2800
09/19/91	32.17	-9.55	41.72	--	26,000	4600	330	970	2400
12/20/91	32.17	-9.50	41.67	--	33,000	5500	270	1000	2100
03/18/92	32.17	-9.03	41.20	--	27,000	5800	410	1300	3300
07/14/92	32.17	-7.60	39.77	--	46,000	12,000	720	1700	4600
10/08/92	32.17	-6.97	39.14	--	22,000	6800	370	1300	3200
01/08/93	32.17	-6.33	38.50	--	36,000	7600	540	1700	4200
04/14/93	32.17	-3.76	35.93	--	23,000	3100	450	670	1900
07/16/93	32.17	-3.21	35.38	--	19,000	3200	330	550	1800
09/21/93	35.19	-0.27	35.46	--	17,000	2700	160	410	760
01/28/94	35.19	-0.26	35.45	--	14,000	1800	210	390	1000
03/17/94	35.19	1.95	33.24	--	17,000	1600	210	410	1200
06/16/94	35.19	2.12	33.07	--	12,000	1600	180	410	1200
09/22/94	35.19	2.45	32.74	--	10,000	1700	110	320	580
12/15/94	35.19	3.27	31.92	--	10,000	1200	120	280	710
03/30/95	35.19	7.59	27.60	--	4600	460	73	160	460
06/20/95	35.19	7.32	27.87	--	26,000	4400	450	900	2400

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>C-8</b>									
11/14/90	30.68	-12.61	43.29	--	<50	<0.3	<0.3	<0.3	<0.6
06/18/91	30.68	-11.94	42.62	--	<50	<0.5	<0.5	<0.5	<0.5
09/19/91	30.68	-11.04	41.72	--	<50	<0.5	<0.5	<0.5	<0.5
12/20/91	30.68	-10.30	40.98	--	<50	<0.5	<0.5	<0.5	<0.5
03/18/92	30.68	-9.34	40.02	--	<50	<0.5	<0.5	<0.5	<0.5
07/14/92	30.68	-8.34	39.02	--	<50	<0.5	<0.5	<0.5	<0.5
10/08/92	30.68	-8.00	38.68	--	<50	<0.5	<0.5	<0.5	1.1
01/08/93	30.68	-7.39	38.07	--	<50	<0.5	<0.5	<0.5	<0.5
04/14/93	30.68	-5.31	35.99	--	<50	<0.5	<0.5	<0.5	<0.5
07/16/93	30.68	-4.64	35.32	--	<50	<0.5	<0.5	<0.5	<0.5
09/21/93	34.68	-0.62	35.30	--	<50	<0.5	<0.5	<0.5	<0.8
01/28/94	34.68	-0.93	35.61	--	<50	<0.5	<0.5	<0.5	<0.5
03/17/94	34.68	0.31	34.37	--	<50	<0.5	<0.5	<0.5	<0.5
06/16/94	34.68	1.32	33.36	--	<50	<0.5	<0.5	<0.5	<0.5
09/22/94	34.68	1.86	32.82	--	<50	<0.5	<0.5	<0.5	<0.5
12/15/94	34.68	2.32	32.36	--	<50	<0.5	<0.5	<0.5	<0.5
03/30/95	34.68	5.44	29.24	--	<50	<0.5	<0.5	<0.5	<0.5
06/20/95	34.68	6.34	28.34	--	<50	<0.5	<0.5	<0.5	<0.5

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>TRIP BLANK</b>									
04/28/89	--	--	--	--	<500	<0.5	<0.5	<0.5	<0.5
08/08/89	--	--	--	--	<500	<0.5	<0.5	<0.5	<0.5
08/27/90	--	--	--	--	<50	<0.3	<0.3	<0.3	<0.6
11/14/90	--	--	--	--	<50	<0.3	<0.3	<0.3	<0.6
06/18/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
09/19/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
12/20/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
03/18/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
07/14/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
10/08/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
01/08/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
04/14/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
07/16/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
09/21/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
01/28/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.8
03/17/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
06/16/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
09/22/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
12/15/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
03/30/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
06/20/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on November 1, 1994.

Earlier field data and analytical results are drawn from the September 27, 1994 Groundwater Technology, Inc. report.

**ABBREVIATIONS:**

TPH = Total Petroleum Hydrocarbons

# **Analytical Appendix**



Blaine Technical Services	Client Proj. ID: Chevron 9-0076, 950620-K1	Sampled: 06/20/95
985 Timothy Drive	Sample Descript: C-1	Received: 06/21/95
San Jose, CA 95133	Matrix: LIQUID	
Attention: Jim Keller	Analysis Method: 8015Mod/8020	Analyzed: 06/23/95
	Lab Number: 9506D92-01	Reported: 06/29/95

QC Batch Number: GC062395BTEX21A  
Instrument ID: GCHP21

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	200	690
Benzene	2.0	140
Toluene	2.0	N.D.
Ethyl Benzene	2.0	9.4
Xylenes (Total)	2.0	2.8
Chromatogram Pattern:		Gas
Unidentified HC		< C8

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	118

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 Attention: Jim Keller	Client Proj. ID: Chevron 9-0076, 950620-K1 Sample Descript: C-2 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9506D92-02	Sampled: 06/20/95 Received: 06/21/95 Analyzed: 06/23/95 Reported: 06/29/95
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QC Batch Number: GC062295BTEX21A  
Instrument ID: GCHP21

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

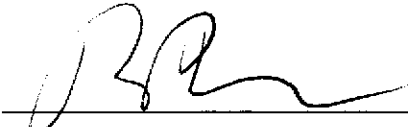
Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	20000	93000
Benzene	200	6400
Toluene	200	1900
Ethyl Benzene	200	2900
Xylenes (Total)	200	11000
Chromatogram Pattern:		Gas

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	75

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 9-0076, 950620-K1 Sample Descript: C-3 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9506D92-03	Sampled: 06/20/95 Received: 06/21/95 Analyzed: 06/22/95 Reported: 06/29/95
Attention: Jim Keller		

QC Batch Number: GC062295BTEX21A  
Instrument ID: GCHP21

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


Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	110
Benzene	0.50	2.2
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	1.2
Chromatogram Pattern:		Gas

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	115

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 Attention: Jim Keller	Client Proj. ID: Chevron 9-0076, 950620-K1 Sample Descript: C-4 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9506D92-04	Sampled: 06/20/95 Received: 06/21/95 Analyzed: 06/23/95 Reported: 06/29/95
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QC Batch Number: GC062295BTEX20A  
Instrument ID: GCHP20

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	10000	29000
Benzene	100	6000
Toluene	100	890
Ethyl Benzene	100	960
Xylenes (Total)	100	1800
Chromatogram Pattern:		Gas

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	71

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 Attention: Jim Keller	Client Proj. ID: Chevron 9-0076, 950620-K1 Sample Descript: C-5 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9506D92-05	Sampled: 06/20/95 Received: 06/21/95 Analyzed: 06/22/95 Reported: 06/29/95
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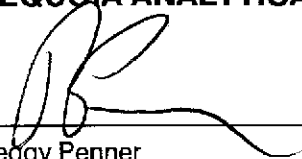
QC Batch Number: GC062295BTEX21A  
Instrument ID: GCHP21

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	121

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  
Attention: Jim Keller

Client Proj. ID: Chevron 9-0076, 950620-K1  
Sample Descript: C-6  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9506D92-06

Sampled: 06/20/95  
Received: 06/21/95  
Analyzed: 06/23/95  
Reported: 06/29/95


QC Batch Number: GC062395BTEX02A  
Instrument ID: GCHP02

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	1000	1700
Benzene	10	470
Toluene	10	N.D.
Ethyl Benzene	10	29
Xylenes (Total)	10	16
Chromatogram Pattern:		Gas
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	85

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 Attention: Jim Keller	Client Proj. ID: Chevron 9-0076, 950620-K1 Sample Descript: C-7 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9506D92-07	Sampled: 06/20/95 Received: 06/21/95 Analyzed: 06/22/95 Reported: 06/29/95
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QC Batch Number: GC062295BTEX03A  
Instrument ID: GCHP03

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	10000	26000
Benzene	100	4400
Toluene	100	450
Ethyl Benzene	100	900
Xylenes (Total)	100	2400
Chromatogram Pattern:		Gas
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	98

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 9-0076, 950620-K1  
Sample Descript: C-8  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9506D92-08

Sampled: 06/20/95  
Received: 06/21/95  
Analyzed: 06/22/95  
Reported: 06/29/95

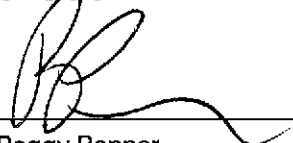
QC Batch Number: GC062295BTEX03A  
Instrument ID: GCHP03

**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:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	91

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 Attention: Jim Keller	Client Proj. ID: Chevron 9-0076, 950620-K1 Sample Descript: TB Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9506D92-09	Sampled: 06/20/95 Received: 06/21/95 Analyzed: 06/22/95 Reported: 06/29/95
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QC Batch Number: GC062295BTEX03A  
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:		
<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  
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Sequoia  
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(510) 988-9600  
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FAX (916) 921-0100

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

Client Proj. ID: Chevron 9-0076, 950620-K1  
Lab Proj. ID: 9506D92

Received: 06/21/95  
Reported: 06/29/95

## LABORATORY NARRATIVE

TPPH Note: Sample 9506D92-01 was diluted 4-fold.  
Sample 9506D92-02 was diluted 400-fold.  
Sample 9506D92-04 was diluted 200-fold.  
Sample 9506D92-06 was diluted 20-fold.  
Sample 9506D92-07 was diluted 200-fold.

SEQUOIA ANALYTICAL

Peggy Penner  
Project Manager





Blaine Tech Services, Inc. Client Project ID: Chevron 9-0076, 950620-K1  
 985 Timothy Drive Matrix: Liquid  
 San Jose, CA 95133  
 Attention: Jim Keller Work Order #: 9506D92 -01 Reported: Jun 30, 1995

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC062395BTEX21A	GC062395BTEX21A	GC062395BTEX21A	GC062395BTEX21A
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 #:	9506B7703	9506B7703	9506B7703	9506B7703
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/23/95	6/23/95	6/23/95	6/23/95
Analyzed Date:	6/23/95	6/23/95	6/23/95	6/23/95
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	11	11	11	32
MS % Recovery:	110	110	110	107
Dup. Result:	11	11	11	33
MSD % Recov.:	110	110	110	110
RPD:	0.0	0.0	0.0	3.1
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	BLK062395	BLK062395	BLK062395	BLK062395
Prepared Date:	6/23/95	6/23/95	6/23/95	6/23/95
Analyzed Date:	6/23/95	6/23/95	6/23/95	6/23/95
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	8.2	7.9	7.9	23
LCS % Recov.:	82	79	79	77

MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120
---------------------------	--------	--------	--------	--------

Please Note:  
 The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL

Peggy Penner  
 Project Manager

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

9506D92.BLA <1>





Blaine Tech Services, Inc. 985 Timothy Drive San Jose, CA 95133 Attention: Jim Keller	Client Project ID: Chevron 9-0076, 950620-K1 Matrix: Liquid Work Order #: 9506D92-02-03, 05	Reported: Jun 30, 1995
--	---	------------------------

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC062295BTEX21A	GC062295BTEX21A	GC062295BTEX21A	GC062295BTEX21A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

<b>Analyst:</b>	J. Minkel	J. Minkel	J. Minkel	J. Minkel
<b>MS/MSD #:</b>	9506B7704	9506B7704	9506B7704	9506B7704
<b>Sample Conc.:</b>	N.D.	N.D.	N.D.	N.D.
<b>Prepared Date:</b>	6/22/95	6/22/95	6/22/95	6/22/95
<b>Analyzed Date:</b>	6/22/95	6/22/95	6/22/95	6/22/95
<b>Instrument I.D.#:</b>	GCHP21	GCHP21	GCHP21	GCHP21
<b>Conc. Spiked:</b>	10 µg/L	10 µg/L	10 µg/L	30 µg/L

<b>Result:</b>	11	11	11	33
<b>MS % Recovery:</b>	110	110	110	110

<b>Dup. Result:</b>	9.5	9.6	9.7	28
<b>MSD % Recov.:</b>	95	96	97	93

<b>RPD:</b>	15	14	13	16
<b>RPD Limit:</b>	0-50	0-50	0-50	0-50

<b>LCS #:</b>	-	-	-	-
<b>Prepared Date:</b>	-	-	-	-
<b>Analyzed Date:</b>	-	-	-	-
<b>Instrument I.D.#:</b>	-	-	-	-
<b>Conc. Spiked:</b>	-	-	-	-
<b>LCS Result:</b>	-	-	-	-
<b>LCS % Recov.:</b>	-	-	-	-

MS/MSD	71-133	72-128	72-130	71-120
LCS				
Control Limits				

**SEQUOIA ANALYTICAL**

*Peggy Penner*  
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.





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

Client Project ID: Chevron 9-0076, 950620-K1  
Matrix: Liquid  
Work Order #: 9506D92-04

Reported: Jun 30, 1995

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC062295BTEX20A	GC062295BTEX20A	GC062295BTEX20A	GC062295BTEX20A
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 #:	9506B7704	9506B7704	9506B7704	9506B7704
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/22/95	6/22/95	6/22/95	6/22/95
Analyzed Date:	6/22/95	6/22/95	6/22/95	6/22/95
Instrument I.D.#:	GCHP20	GCHP20	GCHP20	GCHP20
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	8.8	8.7	8.7	26
MS % Recovery:	88	87	87	87
Dup. Result:	9.9	9.8	9.9	29
MSD % Recov.:	99	98	99	97
RPD:	12	12	13	11
RPD Limit:	0-50	0-50	0-50	0-50

LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-

MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120
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**Please Note:**

The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

**SEQUOIA ANALYTICAL**

Peggy Penner  
Project Manager

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

9506D92.BLA <3>





# Sequoia Analytical

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819 Striker Avenue, Suite 8	Sacramento, CA 95834	(916) 921-9600	FAX (916) 921-0100

Blaine Tech Services, Inc. 985 Timothy Drive San Jose, CA 95133 Attention: Jim Keller	Client Project ID: Chevron 9-0076, 950620-K1 Matrix: Liquid Work Order #: 9506D92-06	Reported: Jun 30, 1995
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## QUALITY CONTROL DATA REPORT

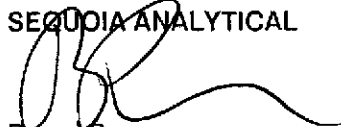
Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC062395BTEX02A	GC062395BTEX02A	GC062395BTEX02A	GC062395BTEX02A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J. Woo	J. Woo	J. Woo	J. Woo
MS/MSD #:	9506B7704	9506B7704	9506B7704	9506B7704
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/23/95	6/23/95	6/23/95	6/23/95
Analyzed Date:	6/23/95	6/23/95	6/23/95	6/23/95
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.6	9.8	9.6	29
MS % Recovery:	96	98	96	97
Dup. Result:	11	12	11	34
MSD % Recov.:	110	120	110	113
RPD:	14	20	14	16
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

  
Peggy Penner  
Project Manager

Please Note:  
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

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

9506D92.BLA <4>





Blaine Tech Services, Inc. Client Project ID: Chevron 9-0076, 950620-K1  
 985 Timothy Drive Matrix: Liquid  
 San Jose, CA 95133 Work Order #: 9506D92-07-09 Reported: Jun 30, 1995  
 Attention: Jim Keller

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC062295BTEX03A	GC062295BTEX03A	GC062295BTEX03A	GC062295BTEX03A
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 #:	9506B7703	9506B7703	9506B7703	9506B7703
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/22/95	6/22/95	6/22/95	6/22/95
Analyzed Date:	6/22/95	6/22/95	6/22/95	6/22/95
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	11	11	11	32
MS % Recovery:	110	110	110	107
Dup. Result:	10	10	10	30
MSD % Recov.:	100	100	100	100
RPD:	9.5	9.5	9.5	6.5
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**

*[Signature]*  
 Peggy Penner  
 Project Manager

**Please Note:**  
 The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

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

9506D92.BLA <5>



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

Chain-of-Custody-Record

Chevron U.S.A. Inc. P.O. BOX 5004 San Ramon, CA 94583 FAX (415)842-9591	Chevron Facility Number <u>9-0076</u>	Chevron Contact (Name) <u>Mark Miller</u>
	Facility Address <u>4265 Foothill Blvd., Oakland, CA</u>	(Phone) <u>(510) 842-8134</u>
	Consultant Project Number <u>950622-101</u>	Laboratory Name <u>Sequoia</u>
Consultant Name <u>Blaine Tech Services, Inc.</u>	Address <u>985 Timothy Dr., San Jose, CA 95133</u>	Laboratory Release Number <u>2172480</u>
Project Contact (Name) <u>Jim Keller</u>	(Phone) <u>408-995-5535</u> (Fax Number) <u>408-293-8773</u>	Sample Collected by (Name) <u>Keith Brown</u>
		Collection Date <u>6/20/95</u>
		Signature <u>[Signature]</u>

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	Leak (Yes or No)	Analytes To Be Performed												DO NOT BILL FOR TB-LB  Remarks		
								BTX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8080)	Purgeable Organics (9240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)							
C-1		3	K	D	1220	Hel	Y	X													1	
C-2					1200			X														2
C-3					1225			X														3
C-4					1340			X														4
C-5					1145			X														5
C-6					1325			X														6
C-7					1250			X														7
C-8					1115			X														8
TB		2						X														9

9506092

Relinquished By (Signature) <u>[Signature]</u>	Organization <u>PTS</u>	Date/Time <u>6/21 2:43</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>Sequoia</u>	Date/Time <u>6/21 2:43</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 6 Days 10 Days <u>As Contracted</u>
Relinquished By (Signature) <u>[Signature]</u>	Organization <u>C</u>	Date/Time <u>6/21</u>	Received By (Signature) <u>[Signature]</u>	Organization	Date/Time	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) <u>[Signature]</u>		Date/Time <u>6/21/95 1517</u>	

DWC/03 91/ARCH

# **Field Data Sheets**





# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950820-1a</u>	Station #: <u>9-0076</u>
Sampler: <u>1043</u>	Start Date: <u>6/20</u>
Well I.D.: <u>C-1</u>	Well Diameter: (circle one) 2 <u>3</u> 4 6
Total Well Depth: Before <u>3909</u> After	Depth to Water: Before <u>1440</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>9.1</u>	x	<u>3</u>	=	<u>27.3</u>
1 Case Volume		Specified Volumes		gallons

Purging: Bailer Disposable Bailer Middleburg Electric Submersible <input checked="" type="checkbox"/> Extraction Pump Other _____	Sampling: Bailer <input checked="" type="checkbox"/> Disposable Bailer Extraction Port Other _____
--	---

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1209</u>	<u>69.0</u>	<u>7.5</u>	<u>1000</u>	—	<u>10</u>	<u>greyish</u>
<u>1211</u>	<u>68.4</u>	<u>7.5</u>	<u>1000</u>	—	<u>19</u>	<u>grey color</u>
<u>1212</u>	<u>68.8</u>	<u>7.5</u>	<u>1000</u>	—	<u>28</u>	

Did Well Dewater? <input checked="" type="checkbox"/> If yes, gals. _____ Gallons Actually Evacuated: <u>28</u>
Sampling Time: <u>1220</u> Sampling Date: <u>6/20</u>
Sample I.D.: <u>C-1</u> Laboratory: <u>Seb</u>
Analyzed for: <u>TPH-G</u> <u>BTEX</u> TPH-D OTHER:
Duplicate I.D.: _____ Cleaning Blank I.D.: _____
Analyzed for: TPH-G BTEX TPH-D OTHER:

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950620K-2</u>	Station #: <u>9-0076</u>
Sampler: <u>1CUB</u>	Start Date: <u>6/20</u>
Well I.D.: <u>C-2</u>	Well Diameter: (circle one) 2' <u>(3)</u> 4 6
Total Well Depth: Before <u>3610</u> After	Depth to Water: Before <u>1895</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>6.3</u>	x	<u>3</u>	=	<u>18.9</u>
1 Case Volume		Specified Volumes		gallons

Purging: Bailer  
 Disposable Bailer  
 Middleburg  
 Electric Submersible  
 Extraction Pump  
 Other \_\_\_\_\_

Sampling: Bailer ✓  
 Disposable Bailer  
 Extraction Port  
 Other \_\_\_\_\_

TIME	TEMP. (F)	pH	COND. <i>W</i>	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1345</u>	<u>73.2</u>	<u>7.5</u>	<u>880</u>	<u>—</u>	<u>7</u>	<u>noy sbog</u>
<u>1348</u>	<u>72.4</u>	<u>7.4</u>	<u>760</u>	<u>—</u>	<u>13</u>	<u>gas odor</u>
<u>1351</u>	<u>72.8</u>	<u>7.5</u>	<u>750</u>	<u>—</u>	<u>12</u>	<u>shear</u>

Did Well Dewater? N If yes, gals. \_\_\_\_\_ Gallons Actually Evacuated: 19

Sampling Time: 1400 Sampling Date: 6/20

Sample I.D.: C-2 Laboratory: SEA

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

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

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

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950820-K2</u>	Station #: <u>9-0076</u>
Sampler: <u>KCB</u>	Start Date: <u>8/20</u>
Well I.D.: <u>C-3</u>	Well Diameter: (circle one) 2 <u>(3)</u> 4 6
Total Well Depth: Before <u>8895</u> After	Depth to Water: Before <u>1979</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>20</u>	x	<u>3</u>	=	<u>25.0</u>
1 Case Volume		Specified Volumes		gallons

Purging: Bailer Disposable Bailer Middleburg Electric Submersible <input checked="" type="checkbox"/> Extraction Pump Other _____	Sampling: Bailer <input checked="" type="checkbox"/> Disposable Bailer Extraction Port Other _____
--	---

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1150</u>	<u>72.4</u>	<u>7.4</u>	<u>840</u>	<u>—</u>	<u>7</u>	<u>greyish</u>
<u>1152</u>	<u>70.6</u>	<u>7.5</u>	<u>750</u>	<u>—</u>	<u>14</u>	
<u>1154</u>	<u>70.0</u>	<u>7.4</u>	<u>760</u>	<u>—</u>	<u>21</u>	

Did Well Dewater? <input checked="" type="checkbox"/> If yes, gals. <u>  </u> Gallons Actually Evacuated: <u>21.0</u>
Sampling Time: <u>1205</u> Sampling Date: <u>8/20</u>
Sample I.D.: <u>C-3</u> Laboratory: <u>See</u>
Analyzed for: (Circle) <u>TPH-G</u> <u>BTEX</u> TPH-D OTHER:
Duplicate I.D.: Cleaning Blank I.D.:
Analyzed for: (Circle) TPH-G BTEX TPH-D OTHER:

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950620-K2</u>	Station #: <u>9-0076</u>
Sampler: <u>ICUB</u>	Start Date: <u>8/20</u>
Well I.D.: <u>C-4</u>	Well Diameter: (circle one) 2 <u>(3)</u> 4 6
Total Well Depth: Before <u>3889</u> After	Depth to Water: Before <u>1690</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>8.1</u>	x	<u>3</u>	=	<u>24.3</u>
1 Case Volume		Specified Volumes		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:
<u>1329</u>	<u>72.0</u>	<u>7.7</u>	<u>1000</u>	<u>—</u>	<u>9</u>	<u>strong gas</u>
<u>1331</u>	<u>72.2</u>	<u>7.7</u>	<u>1000</u>	<u>—</u>	<u>10</u>	<u>slt</u>
<u>1334</u>	<u>71.8</u>	<u>7.8</u>	<u>1000</u>	<u>—</u>	<u>25</u>	

Did Well Dewater?  If yes, gals. \_\_\_\_\_ Gallons Actually Evacuated: 25

Sampling Time: 1340 Sampling Date: 8/20

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

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

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

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

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950620-K2</u>	Station #: <u>9-0076</u>
Sampler: <u>KUB</u>	Start Date: <u>8/20</u>
Well I.D.: <u>C-5</u>	Well Diameter: (circle one) <u>2</u> 3 4 6
Total Well Depth: Before <u>4388</u> After	Depth to Water: Before <u>2013</u> After
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Measurements referenced to: <u>PVC</u>	Grade _____ Other: _____

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

<u>3.8</u>	x	<u>3</u>	=	<u>11.4</u>
1 Case Volume		Specified Volumes		gallons

Purging: Bailer Disposable Bailer <input checked="" type="checkbox"/> Middleburg Electric Submersible Extraction Pump Other _____	Sampling: Bailer Disposable Bailer <input checked="" type="checkbox"/> Extraction Port Other _____
--	---

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1128</u>	<u>66.8</u>	<u>7.2</u>	<u>820</u>	<u>—</u>	<u>4</u>	
<u>1134</u>	<u>66.4</u>	<u>7.6</u>	<u>840</u>	<u>—</u>	<u>8</u>	
<u>1140</u>	<u>66.8</u>	<u>7.6</u>	<u>830</u>		<u>11.5</u>	

Did Well Dewater? <u>N</u> If yes, gals. →	Gallons Actually Evacuated: <u>11.5</u>
Sampling Time: <u>1145</u>	Sampling Date: <u>6/20</u>
Sample I.D.: <u>C-5</u>	Laboratory: <u>SLC</u>
Analyzed for: <u>TPH-G</u> <u>BTEX</u> TPH-D OTHER:	
Duplicate I.D.:	Cleaning Blank I.D.:
Analyzed for: TPH-G BTEX TPH-D OTHER:	

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950620-102</u>	Station #: <u>9-0076</u>
Sampler: <u>KEB</u>	Start Date: <u>8/20</u>
Well I.D.: <u>C-6</u>	Well Diameter: (circle one) <u>(2) 3 4 6</u>
Total Well Depth: Before <u>8420</u> After	Depth to Water: Before <u>2501</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>(EVC)</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>4.6</u>	x	<u>3</u>	=	<u>13.8</u>
1 Case Volume		Specified Volumes		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:
<u>1303</u>	<u>68.8</u>	<u>7.7</u>	<u>1000</u>	<u>—</u>	<u>5</u>	
<u>1311</u>	<u>67.4</u>	<u>7.8</u>	<u>1000</u>	<u>—</u>	<u>10</u>	
<u>1318</u>	<u>67.8</u>	<u>7.8</u>	<u>1100</u>	<u>—</u>	<u>14</u>	

Did Well Dewater? Yes If yes, gals. — Gallons Actually Evacuated: 14

Sampling Time: 1325 Sampling Date: 6/20

Sample I.D.: C-6 Laboratory: SES

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

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

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

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950620-K2</u>	Station #: <u>9-0078</u>
Sampler: <u>KCB</u>	Start Date: <u>6/20</u>
Well I.D.: <u>C-7</u>	Well Diameter: (circle one) <u>2</u> 3 4 6
Total Well Depth: Before <u>5388</u> After	Depth to Water: Before <u>2289</u> After
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Measurements referenced to: <u>VVC</u>	Grade Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

<u>4.1</u>	x	<u>3</u>	=	<u>12.3</u>
1 Case Volume		Specified Volumes		gallons

Purging: Bailer Disposable Bailer <input checked="" type="checkbox"/> Middleburg Electric Submersible Extraction Pump Other _____	Sampling: Bailer Disposable Bailer <input checked="" type="checkbox"/> Extraction Port Other _____
--	---

TIME	TEMP. (F)	PH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1230</u>	<u>68.4</u>	<u>7.5</u>	<u>1000</u>	<u>—</u>	<u>4.5</u>	<u>gas odor</u>
<u>1237</u>	<u>68.4</u>	<u>7.7</u>	<u>1000</u>	<u>—</u>	<u>9.0</u>	<u>Hydrazine</u>
<u>1245</u>	<u>69.0</u>	<u>7.8</u>	<u>1100</u>	<u>—</u>	<u>12.5</u>	<u>Artic gly</u>

Did Well Dewater? <input checked="" type="checkbox"/> If yes, gals. <u>12.3</u>	Gallons Actually Evacuated: <u>12.3</u>
Sampling Time: <u>1250</u>	Sampling Date: <u>6/20</u>
Sample I.D.: <u>C-7</u>	Laboratory: <u>SC</u>
Analyzed for: (Circle) <u>TPH-G</u> <u>BTEX</u> TPH-D OTHER:	
Duplicate I.D.: _____	Cleaning Blank I.D.: _____
Analyzed for: (Circle) TPH-G BTEX TPH-D OTHER:	



# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950620-102</u>	Station #: <u>9-0076</u>
Sampler: <u>KEB</u>	Start Date: <u>6/20</u>
Well I.D.: <u>C-8</u>	Well Diameter: (circle one) <u>2</u> 3 4 6
Total Well Depth: Before <u>5601</u> After	Depth to Water: Before <u>2839</u> After
Depth to Free Product: _____	Thickness of Free Product (feet): _____
Measurements referenced to: <u>FVC</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>4.4</u>	x	<u>3</u>	=	<u>13.2</u>
1 Case Volume		Specified Volumes		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:
<u>1056</u>	<u>68.6</u>	<u>7.2</u>	<u>720</u> <sup>H</sup>	—	<u>4.5</u>	
<u>1003</u>	<u>66.6</u>	<u>7.2</u>	<u>880</u>	—	<u>9.0</u>	
<u>1011</u>	<u>66.8</u>	<u>7.2</u>	<u>900</u>	—	<u>13.5</u>	

Did Well Dewater?  If yes, gals. \_\_\_\_\_ Gallons Actually Evacuated: 13.5

Sampling Time: 1015 Sampling Date: CB

Sample I.D.: C-8 Laboratory: Seif

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

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

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