

**BLAINE**  
TECH SERVICES INC.



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April 20, 1998

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

### **1st Quarter 1998 Monitoring at 9-0076**

First Quarter 1998 Groundwater Monitoring at  
Chevron Service Station Number 9-0076  
4265 Foothill Blvd.  
Oakland, CA

Monitoring Performed on March 12, 1998

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### **Groundwater Sampling Report 980312-J-1**

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

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


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

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

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

Please call if you have any questions.

Yours truly,

A handwritten signature in black ink, appearing to read "Francis Thie", written in a cursive style.

Francis Thie  
Vice President

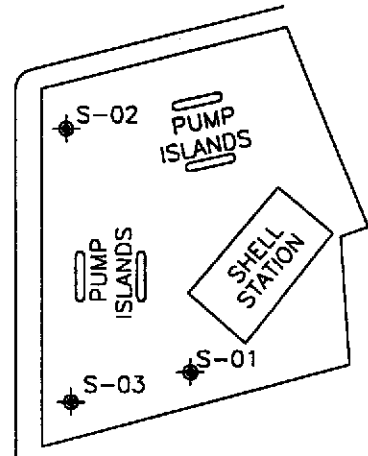
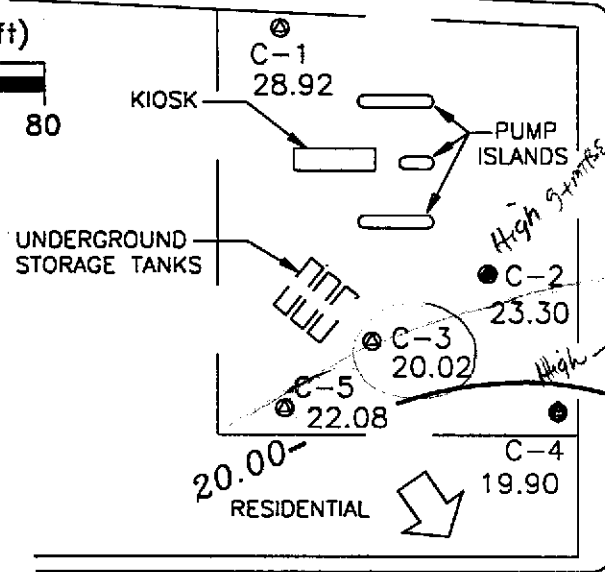
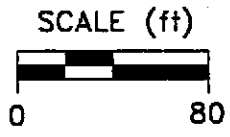
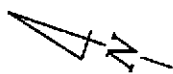
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attachments: Professional Engineering Appendix  
Cumulative Table of Well Data and Analytical Results  
Analytical Appendix  
Field Data Sheets

# **Professional Engineering Appendix**

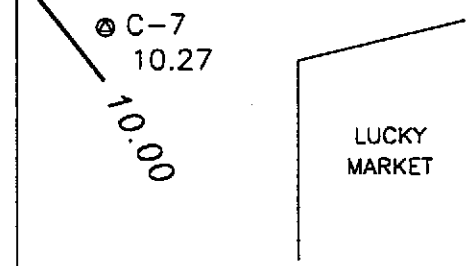
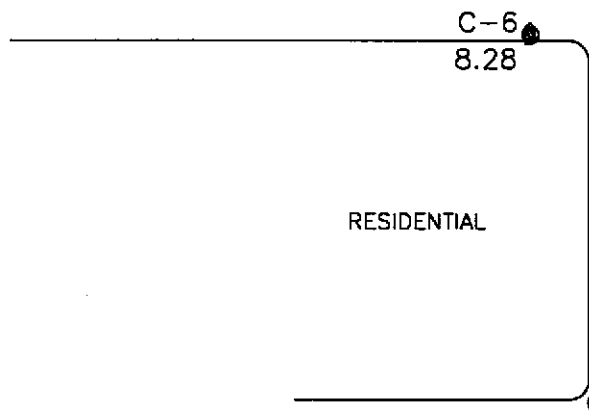
BP  
STATION

FOOTHILL BOULEVARD



BOND STREET

HIGH STREET



EAST 17th STREET

C-9 5.06 annual

EXPLANATION

- ⊙ MONITORING WELL
- ◆ MONITORING WELL (SHELL)
- 8.95 GROUNDWATER ELEVATION (FT, MSL)
- 20.00 — GROUNDWATER ELEVATION CONTOUR (FT, MSL)
- ↘ APPROXIMATE GROUNDWATER FLOW DIRECTION;  
APPROXIMATE GRADIENT = 0.05



Basemap from Geoconsultants, Inc.

PREPARED BY



**Chevron Station 9-0076**  
4265 Foothill Boulevard  
Oakland, California

**GROUNDWATER ELEVATION CONTOUR MAP,  
MARCH 12, 1998**

FIGURE:  
1  
PROJECT:  
DAC04

# **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	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	MTBE
<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	--
09/20/95	38.41	24.59	13.82	--	--	--	--	730	27	78	26	130	--
12/06/95	38.41	17.81	20.60	--	--	--	--	220	16	<0.5	7.2	1.7	11
03/21/96	38.41	26.76	11.65	--	--	--	--	640	170	<2.0	6.7	<2.0	35
06/21/96	38.41	24.16	14.25	--	--	--	--	640	140	<1.2	8.7	2.0	23
09/06/96	38.41	21.66	16.75	--	--	--	--	460	24	0.56	10	2.4	43
12/19/96	38.41	24.43	13.98	--	--	--	--	790	120	22	13	19	<25
03/17/97	38.41	25.63	12.78	--	--	--	--	2200	660	<10	15	<10	110
06/11/97	38.41	23.25	15.16	--	--	--	--	1500	130	<2.0	16	3.4	130
09/17/97	38.41	21.47	16.94	--	--	--	--	910	160	23	13	49	180
12/11/97	38.41	25.23	13.18	--	--	--	--	2000	270	7.0	53	7.4	460
03/12/98	38.41	28.92	9.49	--	--	--	--	3100	1300	<20	42	<20	760

offsite  
Source ?

\* See table of Additional Analysis

### 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	Volumetric Measurements			Notes	Analytical results					
				SPH Thickness	SPH Removed	Total SPH Removed		TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE
<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	0.01	--	--	--	--	--	--	--	--	--
12/21/89	35.18	5.86	29.32	--	--	--	--	--	--	--	--	--	--
08/27/90	35.18	5.77	29.55	0.17	--	--	--	--	--	--	--	--	--
11/04/90	35.18	4.71	30.47	--	--	--	--	--	--	--	--	--	--
06/18/91	35.18	6.90	28.33	0.06	--	--	--	--	--	--	--	--	--
09/19/91	35.18	5.84	29.39	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	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	--
09/20/95	37.47	19.27	18.20	--	--	--	--	58,000	6600	330	1600	5500	--
12/06/95	37.47	12.71	24.76	--	--	--	--	40,000	5000	86	1800	3700	<500
03/21/96	37.47	21.30	16.17	0.00	0.132	0.130	--	--	--	--	--	--	--
06/21/96	37.47	19.34	18.15	0.02	0.026	0.156	--	--	--	--	--	--	--
09/06/96	37.47	16.36	21.14	0.04	0.079	0.235	--	--	--	--	--	--	--
12/19/96	37.47	19.94	17.55	0.03	0.050	0.285	--	--	--	--	--	--	--
03/17/97	37.47	18.88	18.59	--	--	0.285	--	58,000	4800	1200	1800	6300	3400
06/11/97	37.47	16.17	21.30	--	--	0.285	--	40,000	5500	720	1400	4100	3100
09/17/97	37.47	14.33	23.14	--	--	0.285	*	30,000	4800	220	1200	1800	3200
12/11/97	37.47	20.26	17.21	--	--	0.285	--	76,000	6100	1300	2200	8000	3800
03/12/98	37.47	23.30	14.17	--	--	0.285	*	45,000	6000	1400	1800	5900	2700

\* See table of Additional Analysis

## 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	Vertical Measurements are in feet.		Depth To Water	Volumetric Measurements are in gallons.			Notes	Analytical results are in parts per billion (ppb)					
	Well Head Elev.	Ground Water Elev.		SPH Thickness	SPH Removed	Total SPH Removed		TPH- Gasoline	Benzene	Toluene	Ethyl- Benzene	Xylene	MTBE
<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	--
09/20/95	38.37	19.42	18.95	--	--	--	--	560	21	80	23	120	--
12/06/95	38.37	14.21	24.16	--	--	--	--	<50	0.73	<0.5	<0.5	0.67	<2.5
03/21/96	38.37	20.52	17.85	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/21/96	38.37	18.59	19.78	--	--	--	--	57	<0.5	<0.5	<0.5	<0.5	<2.5
09/06/96	38.37	16.74	21.63	--	--	--	--	<50	0.90	<0.5	<0.5	<0.5	<2.5
12/19/96	38.37	16.07	22.30	--	--	--	--	310	36	33	6.5	28	<2.5
03/17/97	38.37	19.42	18.95	--	--	--	--	54	1.1	<0.5	<0.5	0.76	<2.5
06/11/97	38.37	17.22	21.15	--	--	--	--	120	1.1	<0.5	<0.5	<0.5	<2.5
09/17/97	38.37	15.96	22.41	--	--	--	*	240	19	19	6.6	40	13
12/11/97	38.37	16.11	22.26	--	--	--	--	<50	1.8	<0.5	<0.5	0.50	<2.5
03/12/98	38.37	20.02	18.35	--	--	--	*	72	6.3	<0.5	0.64	3.1	2.6

\* See table of Additional Analysis



## 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	MTBE
<b>C-4</b>													
01/12/89	33.45	3.98	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	--
09/20/95	36.49	20.29	16.20	--	--	--	--	12,000	6900	510	290	1300	--
12/06/95	36.49	13.37	23.12	--	--	--	--	13,000	3900	42	30	250	<250
03/21/96	36.49	22.39	14.10	--	--	--	--	39,000	4800	640	1000	1800	<1000
06/21/96	36.49	19.54	16.95	--	--	--	--	26,000	4400	640	960	1800	2000
09/06/96	36.49	16.36	20.13	--	--	--	--	23,000	500	200	230	1000	3100
12/19/96	36.49	19.57	16.92	--	--	--	--	23,000	4900	320	1100	2000	<250
03/17/97	36.49	19.09	17.40	--	--	--	--	30,000	5800	700	1400	2200	1700
06/11/97	36.49	18.15	18.34	--	--	--	--	29,000	4400	520	790	1800	2000
09/17/97	36.49	15.03	21.46	--	--	--	*	17,000	4300	140	940	1100	4600
12/11/97	36.49	19.84	16.65	--	--	--	--	12,000	2500	130	300	1000	1400
03/12/98	36.49	19.90	16.59	--	--	--	*	46,000	11,000	1500	2300	5000	3400

\* See table of Additional Analysis

## 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	MTBE
<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	--
09/20/95	38.50	14.16	24.34	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/06/95	38.50	14.40	24.10	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/21/96	38.50	20.10	18.40	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/21/96	38.50	18.23	20.27	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	8.7
06/06/96	38.50	16.60	21.90	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/19/96	38.50	17.35	21.15	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/17/97	38.50	18.66	19.84	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/11/97	38.50	16.90	21.60	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/17/97	38.50	10.67	27.83	--	--	--	Sampled annually	--	--	--	--	--	--
12/11/97	38.50	17.50	21.00	--	--	--	--	--	--	--	--	--	--
03/12/98	38.50	22.08	16.42	--	--	--	*	<50	<0.5	<0.5	<0.5	<0.5	<2.5

\* See table of Additional Analysis

## 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	MTBE
<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	--
09/20/95	35.40	11.35	24.05	--	--	--	--	3500	770	<5.0	45	17	--
12/06/95	35.40	7.28	28.12	--	--	--	--	3100	710	<10	41	20	<50
03/21/96	35.40	12.28	23.12	--	--	--	--	1400	330	<2.5	15	8.1	19
06/21/96	35.40	11.90	23.50	--	--	--	--	2200	560	<5.0	18	<5.0	77
09/06/96	35.40	10.57	24.83	--	--	--	--	2800	720	<10	13	<10	160
12/19/96	35.40	10.90	24.50	--	--	--	--	830	320	<2.5	<2.5	<2.5	14
03/17/97	35.40	12.81	22.59	--	--	--	--	2200	500	<10	25	<10	<50
06/11/97	35.40	11.64	23.76	--	--	--	--	3000	570	<5.0	29	10	220
09/17/97	35.40	10.66	24.74	--	--	--	*	1400	330	<5.0	<5.0	<5.0	76
12/11/97	35.40	10.75	24.65	--	--	--	--	1600	230	<5.0	7.3	6.4	46
03/12/98	35.40	8.28	27.12	--	--	--	*	980	300	<5.0	15	12	49

\* See table of Additional Analysis

## 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	Vertical Measurements are in feet.		Depth To Water	Volumetric Measurements are in gallons.			Notes	Analytical results are in parts per billion (ppb)					
	Well Head Elev.	Ground Water Elev.		SPH Thickness	SPH Removed	Total SPH Removed		TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE
<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	--
09/20/95	35.19	7.11	28.08	--	--	--	--	9400	610	81	250	800	--
12/06/95	35.19	4.57	30.62	--	--	--	--	1200	110	12	25	71	34
03/21/96	35.19	7.34	27.85	--	--	--	--	17,000	1300	160	410	1300	<100
06/21/96	35.19	7.77	27.42	--	--	--	--	14,000	1300	210	500	1700	590
09/06/96	35.19	6.84	28.35	--	--	--	--	15,000	3400	<50	460	850	<250
12/19/96	35.19	6.08	29.11	--	--	--	--	530	8.6	0.50	0.85	3.4	<2.5
03/17/97	35.19	8.05	27.14	--	--	--	--	4600	310	46	110	310	98
06/11/97	35.19	7.14	28.05	--	--	--	--	420	15	<0.5	3.3	5.1	<2.5
09/17/97	35.19	6.19	29.00	--	--	--	*	1400	120	11	31	84	54
12/11/97	35.19	5.93	29.26	--	--	--	--	210	10	<0.5	0.97	1.6	<2.5
03/12/98	35.19	10.27	24.92	--	--	--	*	68	<0.5	<0.5	<0.5	<0.5	<2.5

\* See table of Additional Analysis

### 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		Depth To Water	Total			Notes	TPH- Gasoline	Benzene	Toluene	Ethyl- Benzene	Xylene	MTBE
	Head Elev.	Ground Water Elev.		SPH Thickness	SPH Removed	SPH Removed							
<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	--
09/20/95	34.68	5.20	29.48	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/06/95	34.68	3.76	30.92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/21/96	34.68	6.03	28.65	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/21/96	34.68	6.78	27.90	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/06/96	34.68	5.98	28.70	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/19/96	34.68	4.98	29.70	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/17/97	34.68	6.92	27.76	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/11/97	34.68	5.87	28.81	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/17/97	34.68	5.32	29.36	--	--	--	Sampled annually	--	--	--	--	--	--
12/11/97	34.68	4.88	29.80	--	--	--	--	--	--	--	--	--	--
03/12/98	34.68	8.95	25.73	--	--	--	*	<50	<0.5	<0.5	<0.5	<0.5	2.6

\* See table of Additional Analysis

### 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	MTBE
<b>C-9</b>													
08/13/96	--	--	28.27	--	--	--	--	ND	ND	ND	ND	ND	ND
09/06/96	--	--	28.47	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/19/96	30.68	1.39	29.29	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/17/97	30.68	3.11	27.57	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/11/97	30.68	2.41	28.27	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/17/97	30.68	2.05	28.63	--	--	--	Sampled annually	--	--	--	--	--	--
12/11/97	30.68	1.25	29.43	--	--	--	--	--	--	--	--	--	--
03/12/98	30.68	5.06	25.62	--	--	--	*	<50	<0.5	<0.5	<0.5	<0.5	<2.5

\* See table of Additional Analysis

### 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	MTBE
<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	<0.8	--
01/28/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
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	--
09/20/95	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/06/95	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/21/96	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/21/96	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/06/96	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/19/96	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/17/97	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/11/97	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/17/97	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/11/97	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/12/98	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5

## Cumulative Table of Well Data and Analytical Results

### ADDITIONAL ANALYSES

Analytical values are in parts per million (ppm) unless otherwise noted

DATE	Notes	Total Alkalinity mg CaCO <sub>3</sub> /L	Ferrous Iron	Nitrate as Nitrate	Sulfate
<b>C-1</b>					
09/17/97	--	2.0	1.1	<1.0	12
03/12/98	--	550	3.0	<1.0	6.6
<b>C-2</b>					
09/17/97	--	560	4.7	<1.0	<1.0
03/12/98	--	420	3.5	<1.0	<1.0
<b>C-3</b>					
09/17/97	--	340	0.012	100	33
03/12/98	--	260	0.14	88	32
<b>C-4</b>					
09/17/97	--	540	5.9	<1.0	<1.0
03/12/98	--	550	1.3	<1.0	2.7
<b>C-5</b>					
03/12/98	--	210	0.074	69	74
<b>C-6</b>					
09/17/97	--	620	1.1	<1.0	18
03/12/98	--	200	0.11	14	14
<b>C-7</b>					
09/17/97	--	600	4.8	<1.0	18
03/12/98	--	460	0.16	<1.0	29

CONTINUED ON NEXT PAGE



## Cumulative Table of Well Data and Analytical Results

### ADDITIONAL ANALYSES (CONT'D)

Analytical values are in parts per million (ppm) unless otherwise noted

DATE	Notes	Total Alkalinity mg CaCO <sub>3</sub> /L	Ferrous Iron	Nitrate as Nitrate	Sulfate
<b>C-8</b>					
03/12/98	--	110	0.16	7.4	8.2
<b>C-9</b>					
03/12/98	--	230	0.048	59	58

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

MTBE = Methyl t-Butyl Ether

ND = Not detected at or above the minimum quantitation limit. See laboratory reports for minimum quantitation limits.

# **Analytical Appendix**



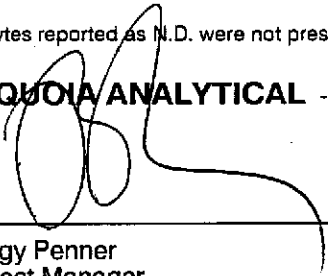
Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 9-0076  Lab Proj. ID: 9803916	Sampled: 03/12/98 Received: 03/13/98 Analyzed: see below  Reported: 03/30/98
Attention: Fran Thie		

**LABORATORY ANALYSIS**

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9803916-01 Sample Desc: LIQUID,C-1				
Alkalinity: Total	mg CaCO3/L	03/19/98	2.0	550
Ferrous Iron	mg/L	03/18/98	0.010	3.0
Nitrate as Nitrate	mg/L	03/19/98	1.0	N.D.
Sulfate	mg/L	03/20/98	1.0	6.6
Lab No: 9803916-02 Sample Desc: LIQUID,C-2				
Alkalinity: Total	mg CaCO3/L	03/19/98	2.0	420
Ferrous Iron	mg/L	03/18/98	0.010	3.5
Nitrate as Nitrate	mg/L	03/19/98	1.0	N.D.
Sulfate	mg/L	03/20/98	1.0	N.D.
Lab No: 9803916-03 Sample Desc: LIQUID,C-3				
Alkalinity: Total	mg CaCO3/L	03/19/98	2.0	260
Ferrous Iron	mg/L	03/18/98	0.010	0.14
Nitrate as Nitrate	mg/L	03/19/98	1.0	88
Sulfate	mg/L	03/20/98	1.0	32
Lab No: 9803916-04 Sample Desc: LIQUID,C-4				
Alkalinity: Total	mg CaCO3/L	03/19/98	2.0	550
Ferrous Iron	mg/L	03/18/98	0.010	1.3
Nitrate as Nitrate	mg/L	03/19/98	1.0	N.D.
Sulfate	mg/L	03/20/98	1.0	2.7

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

**SEQUOIA ANALYTICAL** - ELAP #1210

  
Peggy Penner  
Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 9-0076	Sampled: 03/12/98 Received: 03/13/98 Analyzed: see below
Attention: Fran Thie	Lab Proj. ID: 9803916	Reported: 03/30/98

**LABORATORY ANALYSIS**

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9803916-05 Sample Desc: LIQUID,C-5				
Alkalinity: Total	mg CaCO <sub>3</sub> /L	03/19/98	1.0	210
Ferrous Iron	mg/L	03/18/98	0.010	0.074
Nitrate as Nitrate	mg/L	03/20/98	1.0	69
Sulfate	mg/L	03/20/98	1.0	74
Lab No: 9803916-06 Sample Desc: LIQUID,C-6				
Alkalinity: Total	mg CaCO <sub>3</sub> /L	03/19/98	1.0	200
Ferrous Iron	mg/L	03/18/98	0.010	0.11
Nitrate as Nitrate	mg/L	03/20/98	1.0	14
Sulfate	mg/L	03/20/98	1.0	14
Lab No: 9803916-07 Sample Desc: LIQUID,C-7				
Alkalinity: Total	mg CaCO <sub>3</sub> /L	03/19/98	1.0	460
Ferrous Iron	mg/L	03/18/98	0.010	0.16
Nitrate as Nitrate	mg/L	03/20/98	1.0	N.D.
Sulfate	mg/L	03/20/98	1.0	29
Lab No: 9803916-08 Sample Desc: LIQUID,C-8				
Alkalinity: Total	mg CaCO <sub>3</sub> /L	03/19/98	1.0	110
Ferrous Iron	mg/L	03/18/98	0.010	0.16
Nitrate as Nitrate	mg/L	03/20/98	1.0	7.4
Sulfate	mg/L	03/20/98	1.0	8.2

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

**SEQUOIA ANALYTICAL** - ELAP #1210

  
Peggy Penner  
Project Manager





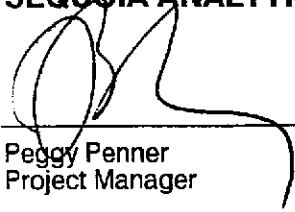
Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 9-0076  Lab Proj. ID: 9803916	Sampled: 03/12/98 Received: 03/13/98 Analyzed: see below  Reported: 03/30/98
Attention: Fran Thie		

**LABORATORY ANALYSIS**

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9803916-09 Sample Desc: LIQUID,C-9				
Alkalinity: Total	mg CaCO <sub>3</sub> /L	03/19/98	1.0	230
Ferrous Iron	mg/L	03/18/98	0.010	0.048
Nitrate as Nitrate	mg/L	03/20/98	1.0	59
Sulfate	mg/L	03/20/98	1.0	58

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

**SEQUOIA ANALYTICAL** - ELAP #1210




---

Peggy Penner  
Project Manager





# Sequoia Analytical

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Blaine Tech Services  
1680 Rogers Avenue  
San Jose, CA 95112

Client Proj. ID: Chevron 9-0076  
Sample Descript: C-1  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9803916-01

Sampled: 03/12/98  
Received: 03/13/98  
Analyzed: 03/26/98  
Reported: 03/30/98

QC Batch Number: GC032698BTEX02A  
Instrument ID: GCHP2

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	2000	3100
Methyl t-Butyl Ether	100	760
Benzene	20	1300
Toluene	20	N.D.
Ethyl Benzene	20	42
Xylenes (Total)	20	N.D.
Chromatogram Pattern:		Gas
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	118

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

**SEQUOIA ANALYTICAL** - ELAP #1271

  
Peggy Penner  
Project Manager





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Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 9-0076 Sample Descript: C-2 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9803916-02	Sampled: 03/12/98 Received: 03/13/98 Analyzed: 03/26/98 Reported: 03/30/98
Attention: Fran Thie		

QC Batch Number: GC032698BTEX04A  
Instrument ID: GCHP4

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	20000	45000
Methyl t-Butyl Ether	1000	2700
Benzene	200	6000
Toluene	200	1400
Ethyl Benzene	200	1800
Xylenes (Total)	200	5900
Chromatogram Pattern:		Gas
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	109

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

**SEQUOIA ANALYTICAL** - ELAP #1271

  
Peggy Penner  
Project Manager





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

Blaine Tech Services	Client Proj. ID: Chevron 9-0076	Sampled: 03/12/98
1680 Rogers Avenue	Sample Descript: C-3	Received: 03/13/98
San Jose, CA 95112	Matrix: LIQUID	
Attention: Fran Thie	Analysis Method: 8015Mod/8020	Analyzed: 03/25/98
	Lab Number: 9803916-03	Reported: 03/30/98

QC Batch Number: GC032598BTEX02A  
Instrument ID: GCHP2

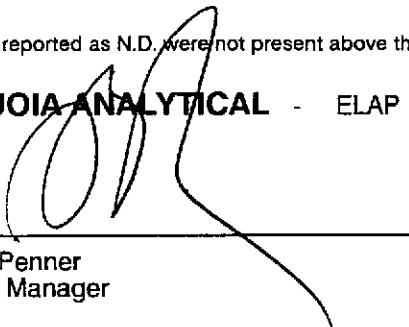
Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	72
Methyl t-Butyl Ether	2.5	2.6
Benzene	0.50	6.3
Toluene	0.50	N.D.
Ethyl Benzene	0.50	0.64
Xylenes (Total)	0.50	3.1
Chromatogram Pattern:		Gas

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	125

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

**SEQUOIA ANALYTICAL** - ELAP #1271



Peggy Penner  
Project Manager







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Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 9-0076 Sample Descript: C-4 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9803916-04	Sampled: 03/12/98 Received: 03/13/98  Analyzed: 03/25/98 Reported: 03/30/98
--	--	---

QC Batch Number: GC032598BTEX02A  
 Instrument ID: GCHP2

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	20000	46000
Methyl t-Butyl Ether	1000	3400
Benzene	200	11000
Toluene	200	1500
Ethyl Benzene	200	2300
Xylenes (Total)	200	5000
Chromatogram Pattern:		Gas
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	113

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

**SEQUOIA ANALYTICAL** - ELAP #1271

  
 \_\_\_\_\_  
 Peggy Penner  
 Project Manager





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Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 9-0076 Sample Descript: C-5 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9803916-05	Sampled: 03/12/98 Received: 03/13/98 Analyzed: 03/25/98 Reported: 03/30/98
Attention: Fran Thie		

QC Batch Number: GC032598BTEX02A  
Instrument ID: GCHP2

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	110

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

**SEQUOIA ANALYTICAL** - ELAP #1271

  
Peggy Penner  
Project Manager





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Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 9-0076 Sample Descript: C-6 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9803916-06	Sampled: 03/12/98 Received: 03/13/98 Analyzed: 03/26/98 Reported: 03/30/98
Attention: Fran Thie		

QC Batch Number: GC032698BTEX02A  
Instrument ID: GCHP2

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	500	980
Methyl t-Butyl Ether	25	49
Benzene	5.0	300
Toluene	5.0	N.D.
Ethyl Benzene	5.0	15
Xylenes (Total)	5.0	12
Chromatogram Pattern:		Gas
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	119

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

**SEQUOIA ANALYTICAL** - ELAP #1271

  
Peggy Fenner  
Project Manager





# Sequoia Analytical

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Blaine Tech Services  
1680 Rogers Avenue  
San Jose, CA 95112

Client Proj. ID: Chevron 9-0076  
Sample Descript: C-7  
Matrix: LIQUID  
Analysis Method: 8015Mod/8020  
Lab Number: 9803916-07

Sampled: 03/12/98  
Received: 03/13/98  
Analyzed: 03/25/98  
Reported: 03/30/98

QC Batch Number: GC032598BTEX02A  
Instrument ID: GCHP2

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	68
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern: Unidentified HC		< C7
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	114

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

**SEQUOIA ANALYTICAL** - ELAP #1271

Peggy Penner  
Project Manager





# Sequoia Analytical

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Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 9-0076 Sample Descript: C-8 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9803916-08	Sampled: 03/12/98 Received: 03/13/98 Analyzed: 03/25/98 Reported: 03/30/98
Attention: Fran Thie		

QC Batch Number: GC032598BTEX09A  
Instrument ID: GCHP9

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	2.6
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	99

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

**SEQUOIA ANALYTICAL** - ELAP #1271

  
Peggy Penner  
Project Manager





# Sequoia Analytical

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Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 9-0076 Sample Descript: C-9 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9803916-09	Sampled: 03/12/98 Received: 03/13/98 Analyzed: 03/25/98 Reported: 03/30/98
Attention: Fran Thie		

QC Batch Number: GC032598BTEX09A  
Instrument ID: GCHP9

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70                      130	98

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

**SEQUOIA ANALYTICAL** - ELAP #1271

  
Peggy Penner  
Project Manager





# Sequoia Analytical

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Blaine Tech Services	Client Proj. ID: Chevron 9-0076	Sampled: 03/12/98
1680 Rogers Avenue	Sample Descript: TB	Received: 03/13/98
San Jose, CA 95112	Matrix: LIQUID	
Attention: Fran Thie	Analysis Method: 8015Mod/8020	Analyzed: 03/25/98
	Lab Number: 9803916-10	Reported: 03/30/98

QC Batch Number: GC032598BTEX09A  
Instrument ID: GCHP9

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70                      130	101

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

**SEQUOIA ANALYTICAL** - ELAP #1271

  
Peggy Penner  
Project Manager





Blaine Tech Services, Inc.  
1680 Rogers Ave.  
San Jose, CA 95112  
Attention: Fran Thie

Client Project ID: **Chevron 9-0076**  
Matrix: **Liquid**

Work Order #: **9803916 -01-09**

Reported: **Apr 8, 1998**

**QUALITY CONTROL DATA REPORT**

Analyte:	Beryllium	Cadmium	Chromium	Nickel
QC Batch#:	ME0317986010MDA	ME0317986010MDA	ME0317986010MDA	ME0317986010MDA
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3010	EPA 3010	EPA 3010	EPA 3010

Analyst:	C. Medefesser	C. Medefesser	C. Medefesser	C. Medefesser
MS/MSD #:	980375101	980375101	980375101	980375101
Sample Conc.:	-	-	0.0080	N.D.
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
Result:	-	-	-	-
MS % Recovery:	-	-	-	-
Dup. Result:	-	-	-	-
MSD % Recov.:	-	-	-	-
RPD:	-	-	-	-
RPD Limit:	-	-	-	-

LCS #:	BLK031798	BLK031798	BLK031798	BLK031798
Prepared Date:	3/17/98	3/17/98	3/17/98	3/17/98
Analyzed Date:	3/18/98	3/18/98	3/18/98	3/18/98
Instrument I.D.#:	MTJA5	MTJA5	MTJA5	MTJA5
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
LCS Result:	1.0	1.0	1.0	1.0
LCS % Recov.:	100	100	100	100

MS/MSD	80-120	80-120	80-120	80-120
LCS	80-120	80-120	80-120	80-120
Control Limits				

**SEQUOIA ANALYTICAL**

Reggy 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

9803916.BLA <1>







Blaine Tech Services, Inc.  
1680 Rogers Ave.  
San Jose, CA 95112  
Attention: Fran Thie

Client Project ID: Chevron 9-0076  
Matrix: Liquid

Work Order #: 9803916-01-09

Reported: Apr 8, 1998

**QUALITY CONTROL DATA REPORT**

Analyte:	Alkalinity	Nitrate	Sulfate
<b>QC Batch#:</b>	IN031998040300A	IN0319983000ACD	IN0319983000ACC
<b>Analy. Method:</b>	SM 403	EPA 300.0	EPA 300.0
<b>Prep. Method:</b>	N.A.	N.A.	N.A.

<b>Analyst:</b>	K. Cesar	J. Hills	J. Hills
<b>MS/MSD #:</b>	980391609	980391605	980396101
<b>Sample Conc.:</b>	230	68	63
<b>Prepared Date:</b>	3/19/98	3/19/98	3/19/98
<b>Analyzed Date:</b>	3/19/98	3/20/98	3/19/98
<b>Instrument I.D.#:</b>	MANUAL	INIC1	INIC1
<b>Conc. Spiked:</b>	100 mg/L	10 mg/L	10 mg/L
<b>Result:</b>	320	78	72
<b>MS % Recovery:</b>	90	100	90
<b>Dup. Result:</b>	310	78	72
<b>MSD % Recov.:</b>	80	100	90
<b>RPD:</b>	3.2	0.0	0.0
<b>RPD Limit:</b>	0-20	0-20	0-20

<b>LCS #:</b>	LCS031998	LCS031998	LCS031998
<b>Prepared Date:</b>	3/19/98	3/19/98	3/19/98
<b>Analyzed Date:</b>	3/19/98	3/20/98	3/19/98
<b>Instrument I.D.#:</b>	MANUAL	INIC1	INIC1
<b>Conc. Spiked:</b>	100 mg/L	10 mg/L	10 mg/L
<b>LCS Result:</b>	88	9.4	10
<b>LCS % Recov.:</b>	88	94	100

<b>MS/MSD</b>	75-125	75-125	75-125
<b>LCS</b>	80-120	80-120	80-120
<b>Control Limits</b>			

**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

9803916.BLA <2>





Blaine Tech Services, Inc. 1680 Rogers Ave. San Jose, CA 95112 Attention: Fran Thie	Client Project ID: <b>Chevron 9-0076</b> Matrix: <b>Liquid</b>	Work Order #: <b>9803916-01, 06</b>	Reported: <b>Apr 8, 1998</b>
--	---	-------------------------------------	------------------------------

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC032698802002A	GC032698802002A	GC032698802002A	GC032698802002A	GC032698802002A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb
MS/MSD #:	8031814	8031814	8031814	8031814	8031814
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	3/26/98	3/26/98	3/26/98	3/26/98	3/26/98
Analyzed Date:	3/26/98	3/26/98	3/26/98	3/26/98	3/26/98
Instrument I.D.#:	HP2	HP2	HP2	HP2	HP2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	350 µg/L
Result:	21	22	21	66	370
MS % Recovery:	105	110	105	110	106
Dup. Result:	20	20	20	63	340
MSD % Recov.:	100	100	100	105	97
RPD:	4.9	9.5	4.9	4.7	8.5
RPD Limit:	0-20	0-20	0-20	0-20	0-50

LCS #:	LCS032698	LCS032698	LCS032698	LCS032698	LCS032698
Prepared Date:	3/26/98	3/26/98	3/26/98	3/26/98	3/26/98
Analyzed Date:	3/26/98	3/26/98	3/26/98	3/26/98	3/26/98
Instrument I.D.#:	HP2	HP2	HP2	HP2	HP2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	350 µg/L
LCS Result:	22	22	23	67	360
LCS % Recov.:	110	110	115	112	103

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

**SEQUOIA ANALYTICAL**  
Elap #1271

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

9803916.BLA <3>





Blaine Tech Services, Inc.  
1680 Rogers Ave.  
San Jose, CA 95112  
Attention: Fran Thie

Client Project ID: Chevron 9-0076  
Matrix: Liquid

Work Order #: 9803916-02

Reported: Apr 8, 1998

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC032698802004A	GC032698802004A	GC032698802004A	GC032698802004A	GC032698802004A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb
MS/MSD #:	8031785	8031785	8031785	8031785	8031785
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	3/26/98	3/26/98	3/26/98	3/26/98	3/26/98
Analyzed Date:	3/26/98	3/26/98	3/26/98	3/26/98	3/26/98
Instrument I.D.#:	HP4	HP4	HP4	HP4	HP4
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	330 µg/L
Result:	22	22	21	65	320
MS % Recovery:	110	110	105	108	97
Dup. Result:	21	22	20	64	330
MSD % Recov.:	102	110	100	107	100
RPD:	4.7	0.0	4.9	1.6	3.1
RPD Limit:	0-20	0-20	0-20	0-20	0-50

LCS #:	LCS032698	LCS032698	LCS032698	LCS032698	LCS032698
Prepared Date:	3/26/98	3/26/98	3/26/98	3/26/98	3/26/98
Analyzed Date:	3/26/98	3/26/98	3/26/98	3/26/98	3/26/98
Instrument I.D.#:	HP4	HP4	HP4	HP4	HP4
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	330 µg/L
LCS Result:	19	19	18	56	300
LCS % Recov.:	95	95	90	93	91

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

SEQUOIA ANALYTICAL  
EPA #1271

Peggy Penner  
Project Manager

**Please Note:**

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

9803916.BLA <4>





Blaine Tech Services, Inc.  
1680 Rogers Ave.  
San Jose, CA 95112  
Attention: Fran Thie

Client Project ID: **Chevron 9-0076**  
Matrix: **Liquid**

Work Order #: **9803916-03-05, 07**

Reported: **Apr 8, 1998**

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC032598802002A	GC032598802002A	GC032598802002A	GC032598802002A	GC032598802002A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb
MS/MSD #:	8031701	8031701	8031701	8031701	8031701
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	3/25/98	3/25/98	3/25/98	3/25/98	3/25/98
Analyzed Date:	3/25/98	3/25/98	3/25/98	3/25/98	3/25/98
Instrument I.D.#:	HP2	HP2	HP2	HP2	HP2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	300 µg/L
Result:	23	23	24	70	380
MS % Recovery:	115	115	120	117	127
Dup. Result:	23	23	24	70	360
MSD % Recov.:	115	115	120	117	120
RPD:	0.0	0.0	0.0	0.0	5.4
RPD Limit:	0-20	0-20	0-20	0-20	0-50

LCS #:	LCS032598	LCS032598	LCS032598	LCS032598	LCS032598
Prepared Date:	3/25/98	3/25/98	3/25/98	3/25/98	3/25/98
Analyzed Date:	3/25/98	3/25/98	3/25/98	3/25/98	3/25/98
Instrument I.D.#:	HP2	HP2	HP2	HP2	HP2
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	300 µg/L
LCS Result:	18	19	18	58	320
LCS % Recov.:	90	95	90	97	107

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

**SEQUOIA ANALYTICAL**  
EPA #1271

Peggy Fenner  
Project Manager

**Please Note:**

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

9803916.BLA <5>





Blaine Tech Services, Inc.  
1680 Rogers Ave.  
San Jose, CA 95112  
Attention: Fran Thie

Client Project ID: **Chevron 9-0076**  
Matrix: **Liquid**

Work Order #: **9803916-08-10**

Reported: **Apr 8, 1998**

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
<b>QC Batch#:</b>	GC032598802009A	GC032598802009A	GC032598802009A	GC032598802009A	GC032598802009A
<b>Analy. Method:</b>	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
<b>Prep. Method:</b>	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030

<b>Analyst:</b>	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb
<b>MS/MSD #:</b>	8031728	8031728	8031728	8031728	8031728
<b>Sample Conc.:</b>	N.D.	N.D.	N.D.	N.D.	N.D.
<b>Prepared Date:</b>	3/25/98	3/25/98	3/25/98	3/25/98	3/25/98
<b>Analyzed Date:</b>	3/25/98	3/25/98	3/25/98	3/25/98	3/25/98
<b>Instrument I.D.#:</b>	HP9	HP9	HP9	HP9	HP9
<b>Conc. Spiked:</b>	20 µg/L	20 µg/L	20 µg/L	60 µg/L	340 µg/L
<b>Result:</b>	22	22	22	67	360
<b>MS % Recovery:</b>	110	110	110	112	108
<b>Dup. Result:</b>	19	20	20	60	310
<b>MSD % Recov.:</b>	95	100	100	100	91
<b>RPD:</b>	14.6	9.5	9.5	11	14.9
<b>RPD Limit:</b>	0-20	0-20	0-20	0-20	0-50

LCS #:	LCS032598	LCS032598	LCS032598	LCS032598	LCS032598
<b>Prepared Date:</b>	3/25/98	3/25/98	3/25/98	3/25/98	3/25/98
<b>Analyzed Date:</b>	3/25/98	3/25/98	3/25/98	3/25/98	3/25/98
<b>Instrument I.D.#:</b>	HP9	HP9	HP9	HP9	HP9
<b>Conc. Spiked:</b>	20 µg/L	20 µg/L	20 µg/L	60 µg/L	340 µg/L
<b>LCS Result:</b>	19	20	20	61	320
<b>LCS % Recov.:</b>	95	100	100	102	94

<b>MS/MSD</b>	60-140	60-140	60-140	60-140	60-140
<b>LCS</b>	70-130	70-130	70-130	70-130	70-130
<b>Control Limits</b>					

**SEQUOIA ANALYTICAL**  
E1sp #1271

Peggy Fenner  
Project Manager

**Please Note:**

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

9803916.BLA <6>





Blaine Tech Services  
1680 Rogers Avenue  
San Jose, CA 95112  
Attention: Fran Thie

Client Proj. ID: Chevron 9-0076

Received: 03/13/98

Lab Proj. ID: 9803916

Reported: 03/30/98

### LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 20 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

TPPH Note: Sample 9803916-01 was diluted 40-fold.  
Sample 9803916-02 was diluted 400-fold.  
Sample 9803916-04 was diluted 400-fold.  
Sample 9803916-06 was diluted 10-fold.

SEQUOIA ANALYTICAL

  
Peggy Fenner  
Project Manager



fax copy of Lab Report and COC to Chevron Contact:  No

# Chain-of-Custody-Record

Chevron U.S.A. Inc.  
P.O. BOX 5004  
San Ramon, CA 94583  
FAX (415)842-9591

Chevron Facility Number 9-0076  
Facility Address 4265 Foothill Blvd., Oakland, CA  
Consultant Project Number \_\_\_\_\_  
Consultant Name Blaine Tech Services, Inc.  
Address 1680 Rogers Ave., San Jose, CA 95112  
Project Contact (Name) Fran Thie  
(Phone) (408)573-0555 (Fax Number) (408)573-7771

Chevron Contact (Name) Phil Briggs  
(Phone) (510) 842-9136  
Laboratory Name Sequoia  
Laboratory Release Number 9034805  
Samples Collected by (Name) \_\_\_\_\_  
Collection Date \_\_\_\_\_  
Signature \_\_\_\_\_

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analytes To Be Performed <span style="float: right;">9803916</span>											DO NOT BILL FOR TB-LB	Remarks
								TEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (8520)	Petroleum Hydrocarbons (8010)	Petroleum Aromatics (8020)	Petroleum Organics (8240)	Extensible Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)	Sulfate	Nitrate	Ferrous Iron		
C-1	1	6	W		1338	HCl	Y	X												
C-2	2	6	W		1437	None	Y	X												* Sulfate & Alkalinity in same liter
C-3	3	6	W		1142		Y	X												
C-4	4	6	W		1415		Y	X												
C-5	5	6	W		1613		Y	X												* Nitrate in the say wide mouth
C-6	6	6	W		1250		Y	X												
C-7	7	6	W		1215		Y	X												
C-8	8	6	W		1045		Y	X												
C-9	9	6	W		1100		Y	X												13 12 16
<del>C-10</del>	<del>10</del>	<del>6</del>	<del>W</del>		<del>1100</del>	<del>HCl</del>	<del>Y</del>	<del>X</del>												
TB	10	2	W		-	HCl	Y	X												

Released By (Signature) <i>[Signature]</i>	Organization <u>BTS</u>	Date/Time <u>10:35 3/12/98</u>	Received By (Signature) <i>[Signature]</i>	Organization <u>Sequoia</u>	Date/Time <u>10:35 3/12/98</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 6 Days <u>10 Days</u> As Contracted
Released By (Signature) <i>[Signature]</i>	Organization <u>Sequoia</u>	Date/Time <u>3/13</u>	Received By (Signature) _____	Organization _____	Date/Time _____	
Released By (Signature) _____	Organization _____	Date/Time _____	Received For Laboratory By (Signature) <i>[Signature]</i>	Organization _____	Date/Time <u>3/13/98 12:16</u>	

P. 002

TEL: 408 573 7771

BLAINE SERVICES, INC

**revised coc**  
Chevron U.S.A. Inc.  
P.O. BOX 5004  
San Ramon, CA 94583  
FAX (415)842-9591

Chevron Facility Number 9-0076  
Facility Address 4265 Foothill Blvd., Oakland, CA  
Consultant Project Number \_\_\_\_\_  
Consultant Name Blaine Tech Services, Inc.  
Address 1680 Rogers Ave., San Jose, CA 95112  
Project Contact (Name) Fran Thie  
(Phone) (408) 573-0555 (Fax Number) (408) 573-7771

Chevron Contact (Name) Phil Briggs  
(Phone) (510) 842-9136  
Laboratory Name Sequoia  
Laboratory Release Number 9034805  
Samples Collected by (Name) \_\_\_\_\_  
Collection Date \_\_\_\_\_  
Signature [Handwritten Signature]

Sample Number	Lab Sample Number	Number of Containers <small>W = Water A = Air S = Soil W = Water C = Chemical</small>	Type <small>G = Grab C = Composite D = Dissolve</small>	Time	Sample Preservation	Used (Yes or No)	Analytes To Be Performed												Remarks	DO NOT BILL FOR TB-LB													
							BTEX + TPH GAS (8020 + 8015)	TPH Dioxin (8015)	Oil and Grease (8220)	Purgeable Hydrocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)	Sulfate	Nitrate	Ferrous Iron	Alkalinity			MTBE												
C-1		6	E	1338	HCl / None / H2SO4	Y	X																						*	Sulfate 1			
C-2		6	E	1477		Y	X																								Alkalinity in some filters		
C-3		6	E	1142		Y	X																										
C-4		6	E	1415		Y	X																										
C-5		6	E	1613		Y	X																										
C-6		6	E	1250		Y	X																										
C-7		6	E	1215		Y	X																										
C-8		6	E	1045		Y	X																										
C-9		6	E	1100		Y	X																										
TD		6	E			Y	X																										
TB		2	E		HCl	Y	X																										

Relinquished By (Signature) <u>[Signature]</u>	Organization <u>BTS</u>	Date/Time 10:35 <u>3/12/98</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>Sequoia</u>	Date/Time 10:35 <u>3/12/98</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days <b>10 Days</b> As Contracted
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	
Received By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)	Organization	Date/Time	



# **Field Data Sheets**



## CHEVRON WELL MONITORING DATA SHEET

Project #: 980312-J1	Station #: 9-0076
Sampler: Steve Smith	Date: 3/12/98
Well I.D.: <del>6-7</del> C-1	Well Diameter: 2 (3) 4 6 8
Total Well Depth: 39.15	Depth to Water: 9.49
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

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

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

11.0	x	3	=	33	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1325	65.6	7.1	960	12	
1327	65.4	7.0	1000	24	
1330	66.6	7.0	1000	36	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: 36
Sampling Time: 1338	Sampling Date: 3/12/98
Sample I.D.: C-1	Laboratory: Sequoia GTEL N. Creek Assoc. Labs
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: Bio-Parameters
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D Other:
D.O. (if req'd):	Pre-purge: 1.7 mg/L      Post-purge: 3.6 mg/L
O.R.P. (if req'd):	Pre-purge: 171 mV      Post-purge: 171 mV

## CHEVRON WELL MONITORING DATA SHEET

Project #: 980312-J1	Station #: 9-0076
Sampler: Steve Smith	Date: 3/12/98
Well I.D.: C-2	Well Diameter: 2 <u>3</u> 4 6 8
Total Well Depth: 36.31	Depth to Water: 14.17
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH

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

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

8.2	x	3	=	24.6	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1429	63.3	7.2	860	8	ODOR
1431	66.2	7.1	860	17	
1433	66.8	7.0	840	25	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: 25
Sampling Time: 1437	Sampling Date: 3/12/98
Sample I.D.: C-2	Laboratory: <u>Sequoia</u> GTEL N. Creek Assoc. Labs
Analyzed for: <u>TPH-G</u> <u>BTEX</u> <u>MTBE</u> TPH-D Other: Bio-Parameters	
Duplicate I.D. <del>D-18</del> Analyzed for: <del>TPH-G</del> <del>BTEX</del> <del>MTBE</del> TPH-D Other: <del>Bio-Parameters</del>	
D.O. (if req'd): Pre-purge: <u>1.1</u> mg/L	Post-purge: 1.1 mg/L
O.R.P. (if req'd): Pre-purge: 176 mV	Post-purge: 174 mV

## CHEVRON WELL MONITORING DATA SHEET

Project #: 980312-91	Station #: 9-0076
Sampler: Steve Smith	Date: 3/12/98
Well I.D.: C-3	Well Diameter: 2 (3) 4 6 8
Total Well Depth: 39.35	Depth to Water: 18.35
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: Bailer      Disposable Bailer  
                                  Middleburg  
                                  Electric Submersible   
                                  Extraction Pump

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

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

7.8	x	3	=	234	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
11:30	66.8	7.3	980	8	
11:32	67.4	7.3	1000	15	
11:35	67.2	7.3	980	24	

Did well dewater?    Yes     No    Gallons actually evacuated: 24

Sampling Time: 1142    Sampling Date: 3/12/98

Sample I.D.: C-3    Laboratory: Sequoia GTEL N. Creek Assoc. Labs

Analyzed for:  TPH-G     BTEX     MTBE    TPH-D    Other: Bio Parameters

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

D.O. (if req'd):	Pre-purge: 2.8 mg/L	Post-purge: 2.5 mg/L
O.R.P. (if req'd):	Pre-purge: 165 mV	Post-purge: 163 mV

## CHEVRON WELL MONITORING DATA SHEET

Project #: <b>980312-J1</b>	Station #: <b>9-0076</b>
Sampler: <b>Steve Smith</b>	Date: <b>3/12/98</b>
Well I.D.: <b>C-4</b>	Well Diameter: 2 <b>(3)</b> 4 6 8 _____
Total Well Depth: <b>39.48</b>	Depth to Water: <b>16.59</b>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <b>PVC</b> Grade	D.O. Meter (if req'd): <b>YSI</b> HACH

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

Purge Method: <b>Bailer</b> Disposable Bailer Middleburg Electric Submersible <b>X</b> Extraction Pump Other: _____	Sampling Method: <b>Bailer</b> Disposable Bailer <b>X</b> Extraction Port Other: _____
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<u>8.5</u>	x	<u>3</u>	=	<u>25.5</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1402	65.2	7.1	1000	9	
1404	66.6	7.1	1000	18	
1406	67.1	7.1	1000	26	

Did well dewater?    Yes <b>No</b>	Gallons actually evacuated: <b>26</b>
Sampling Time: <b>1415</b>	Sampling Date: <b>3/12/98</b>
Sample I.D.: <b>X C-4</b>	Laboratory: <b>Sequoia</b> GTEL N. Creek Assoc. Labs
Analyzed for: <b>TPH-G BTEX MTBE</b> TPH-D    Other: <b>BiO-Parameters</b>	
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D    Other:
D.O. (if req'd):	Pre-purge: <b>1.5</b> mg/L    Post-purge: <b>2.6</b> mg/L
O.R.P. (if req'd):	Pre-purge: <b>173</b> mV    Post-purge: <b>175</b> mV

## CHEVRON WELL MONITORING DATA SHEET

Project #: 980312-J1	Station #: 9-0076
Sampler: Steve Smith	Date: 3/12/98
Well I.D.: C-5	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 43.99	Depth to Water: 16.42
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: Bailer Disposable Bailer Middleburg X Electric Submersible Extraction Pump Other: _____	Sampling Method: Bailer Disposable Bailer X Extraction Port Other: _____
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4.4	x	3	=	13.2	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
10 <sup>00</sup>	63.4	7.6	920	5	
10 <sup>04</sup>	63.2	7.8	820	9	
10 <sup>09</sup>	63.6	7.8	800	14	

Did well dewater? Yes (No)	Gallons actually evacuated: 14
Sampling Time: 10 <sup>17</sup>	Sampling Date: 3/12/98
Sample I.D.: C-5	Laboratory: Sequoia GTEL N. Creek Assoc. Labs
Analyzed for: TPH-G BTEX MTBE TPH-D Other: Bio Parameters	
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D Other:
D.O. (if req'd):	Pre-purge: 1.72 mg/L Post-purge: 1.9 mg/L
O.R.P. (if req'd):	Pre-purge: 170 mV Post-purge: 169 mV

## CHEVRON WELL MONITORING DATA SHEET

Project #: <u>980312-J1</u>	Station #: <u>9-0076</u>
Sampler: <u>Steve Smith</u>	Date: <u>3/12/98</u>
Well I.D.: <u>C-6</u>	Well Diameter: <u>2</u> 3 4 6 8 _____
Total Well Depth: <u>54.53</u>	Depth to Water: <u>27.12</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH

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

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

<u>4.4</u>	x	<u>3</u>	=	<u>13.2</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1235	64.6	7.6	420	5	
1240	64.8	7.6	420	10	
1244	64.6	7.5	500	14	

Did well dewater? Yes <input type="checkbox"/> <u>No</u> <input checked="" type="checkbox"/>	Gallons actually evacuated: <u>14</u>
Sampling Time: <u>1250</u>	Sampling Date: <u>3/12/98</u>
Sample I.D.: <u>C-6</u>	Laboratory: <u>Sequoia</u> GTEL N. Creek Assoc. Labs

Analyzed for: <u>TPH-G</u> <u>BTEX</u> <u>MTBE</u> TPH-D Other: <u>Bio Parameters</u>
Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE TPH-D Other:
D.O. (if req'd): Pre-purge: <u>11.1</u> mg/L Post-purge: <u>11.3</u> mg/L
O.R.P. (if req'd): Pre-purge: <u>173</u> mV Post-purge: <u>174</u> mV



## CHEVRON WELL MONITORING DATA SHEET

Project #: 980312-J1	Station #: 9-0076
Sampler: Steve Smith	Date: 3/12/98
Well I.D.: C-7	Well Diameter: (2) 3 4 6 8
Total Well Depth: 54.26	Depth to Water: 24.92
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): (YSI) HACH

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

Purge Method: Bailer Disposable Bailer Middleburg <input checked="" type="checkbox"/> Electric Submersible Extraction Pump Other: _____	Sampling Method: Bailer Disposable Bailer <input checked="" type="checkbox"/> Extraction Port Other: _____
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4.7	x	3	=	14.1	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
12 <sup>00</sup>	64.2	7.3	1000	5	
12 <sup>05</sup>	64.8	7.3	1000	10	
12 <sup>10</sup>	64.6	7.3	990	15	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: 15	
Sampling Time: 12 <sup>15</sup>	Sampling Date: 3/12/98	
Sample I.D.: C-7	Laboratory: (Sequoia) GTEL N. Creek Assoc. Labs	
Analyzed for: (TPH-G) (BTEX) (MTBE) TPH-D	Other: Bio-Parameter	
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D Other:	
D.O. (if req'd):	Pre-purge: 2.2 mg/L	Post-purge: 2.1 mg/L
O.R.P. (if req'd):	Pre-purge: 167 mV	Post-purge: 167 mV

## CHEVRON WELL MONITORING DATA SHEET

Project #: <u>980312-J1</u>	Station #: <u>9-0076</u>
Sampler: <u>Steve Smith</u>	Date: <u>3/12/98</u>
Well I.D.: <u>C-8</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth: <u>56.27</u>	Depth to Water: <u>25.73</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH

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

Purge Method: <u>Bailer</u>	Sampling Method: <u>Bailer</u>
<u>Disposable Bailer</u>	<u>Disposable Bailer</u> ✓
<u>Middleburg</u> ✗	<u>Extraction Port</u>
<u>Electric Submersible</u>	Other: _____
<u>Extraction Pump</u>	
Other: _____	

<u>4.9</u>	x	<u>3</u>	=	<u>14.7</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
<u>10<sup>30</sup></u>	<u>64.2</u>	<u>7.8</u>	<u>300</u>	<u>5</u>	
<u>10<sup>35</sup></u>	<u>64.0</u>	<u>7.8</u>	<u>270</u>	<u>10</u>	
<u>10<sup>40</sup></u>	<u>64.2</u>	<u>7.8</u>	<u>240</u>	<u>15</u>	

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Gallons actually evacuated: <u>15</u>
Sampling Time: <u>1045</u>	Sampling Date: <u>3/12/98</u>
Sample I.D.: <u>C-8</u>	Laboratory: <u>Sequoia</u> GTEL N. Creek Assoc. Labs
Analyzed for: <u>TPH-G</u> <u>BTEX</u> <u>MTBE</u> TPH-D	Other: <u>Bio-Parameter</u>

Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
D.O. (if req'd):	Pre-purge: <u>1.0</u> mg/L	Post-purge: <u>1.1</u> mg/L
O.R.P. (if req'd):	Pre-purge: <u>171</u> mV	Post-purge: <u>169</u> mV

## CHEVRON WELL MONITORING DATA SHEET

Project #: 980312-J1	Station #: 9-0076
Sampler: Steve Smith	Date: 3/12/98
Well I.D.: C-9	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: 45.15	Depth to Water: <del>45.15</del> → 25.62
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH

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

Purge Method: Bailer Disposable Bailer Middleburg <input checked="" type="checkbox"/> Electric Submersible Extraction Pump Other: _____	Sampling Method: Bailer Disposable Bailer <input checked="" type="checkbox"/> Extraction Port Other: _____
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3.2	x	3	=	9.4	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
10 <sup>50</sup>	68.0	7.4	820	4	
10 <sup>53</sup>	68.8	7.5	850	7	
10 <sup>56</sup>	68.2	7.4	860	10	

Did well dewater? Yes  No Gallons actually evacuated: 10

Sampling Time: 11<sup>00</sup> Sampling Date: 3/12/98

Sample I.D.: C-9 Laboratory: Sequoia GTEL N. Creek Assoc. Labs

Analyzed for: TPH-G BTEX MTBE TPH-D Other: Bio-Parameter

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

D.O. (if req'd):	Pre-purge:	2.5 mg/L	Post-purge:	2.5 mg/L
O.R.P. (if req'd):	Pre-purge:	172 mV	Post-purge:	168 mV