



**Chevron**

October 27, 1995

**Chevron U.S.A. Products Company**

6001 Bollinger Canyon Road  
Building L  
San Ramon, CA 94583  
P.O. Box 5004  
San Ramon, CA 94583-0804

**Marketing - Northwest Region**

Phone 510 842 9500

Mr. Barney Chan  
Alameda County Health Care Services  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**Re: Chevron Service Station #9-0076  
4265 Foothill Boulevard, Oakland, CA**

Dear Mr. Chan:

Enclosed is the Third Quarter 1995 Groundwater Monitoring report dated September 20, 1995, prepared by our consultant Blaine Tech Services, Inc. for the above referenced site. As indicated in the report, ground water samples collected were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) and BTEX. Concentrations of dissolved constituents observed during the past quarter are consistent with historic sampling results. Depth to ground water was measured at approximately 13.8 to 29.5 feet below grade and the direction of flow is to the southwest.

Thank you for your letter of July 12, 1995, approving the work plan for the installation of a down gradient well. We are in the process of obtaining access to the private property where this well will be located and will keep you informed of our progress.

We are currently consulting with our Research and Technology group to develop a work plan for a risk evaluation. Unfortunately, this activity has taken much longer than originally anticipated. We currently plan to forward a work plan to your office by the end of fourth quarter, 1995.

Chevron will continue to monitor and sample all wells at this site on a quarterly basis. If you have any questions or comments, please feel free to contact me at (510) 842-8134.

Sincerely,  
CHEVRON U.S.A. PRODUCTS COMPANY

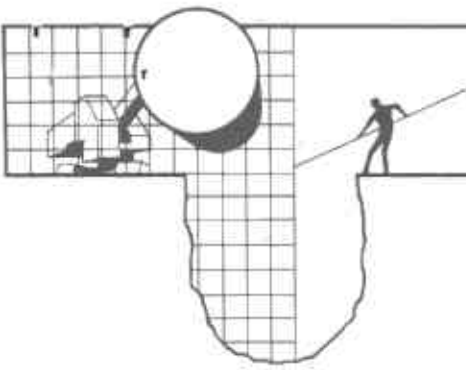
Mark A. Miller  
Site Assessment and Remediation Engineer

Enclosure

cc: Mr. S.A. Willer

Mr. Jeff Granberry  
Shell Oil Company  
P.O. Box 4023  
Concord, CA 94524

95 OCT 31 PM 2:25  
ENVIRONMENTAL  
PROTECTION



# BLAINE TECH SERVICES INC.

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

September 20, 1995

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

## 3rd Quarter 1995 Monitoring at 9-0076

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

Monitoring Performed on September 20, 1995

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### Groundwater Sampling Report 950920-T-2

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

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

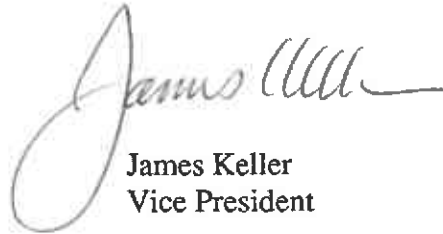
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**. The table also contains new groundwater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

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

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

Please call if you have any questions.

Yours truly,

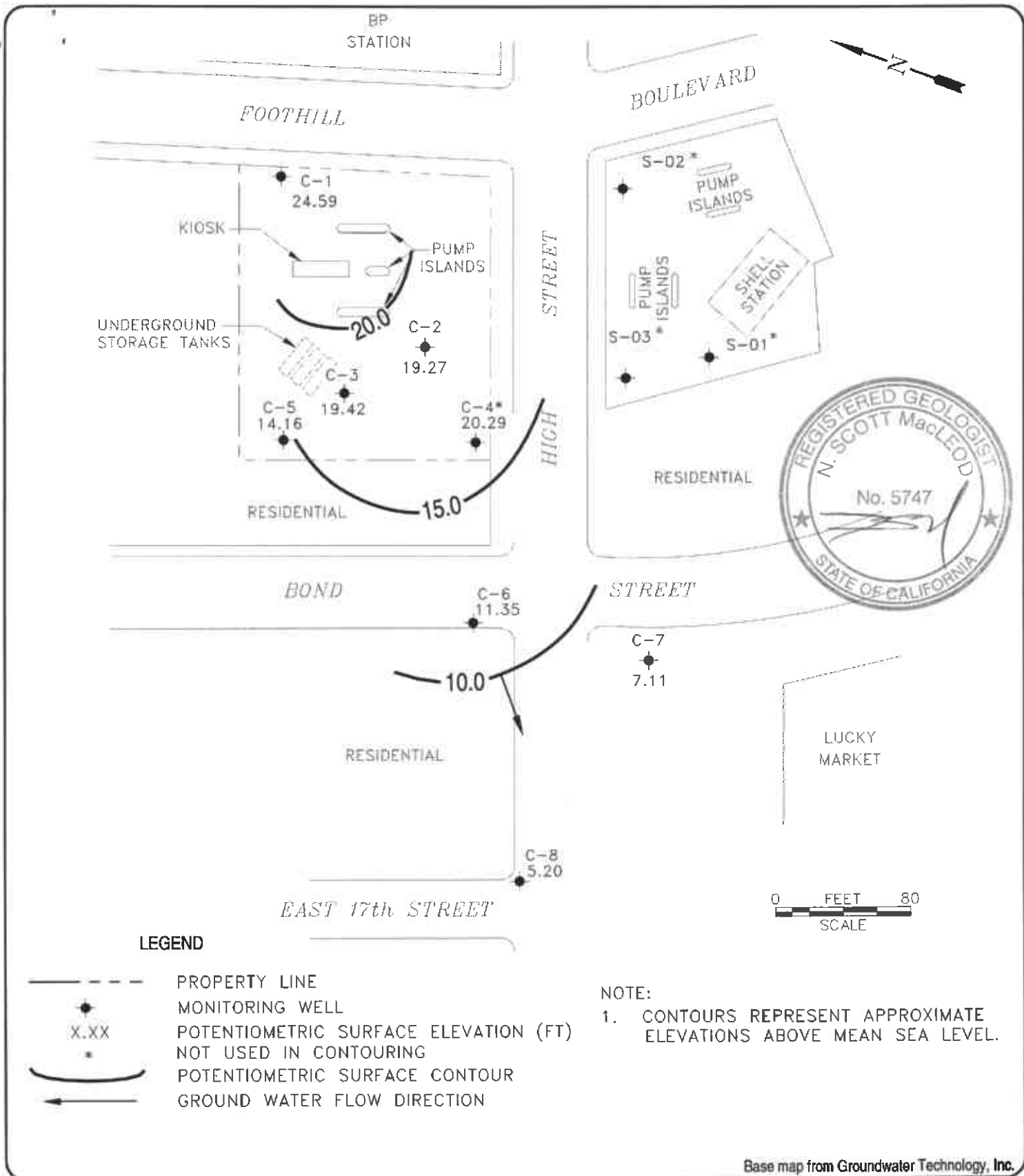


James Keller  
Vice President





JPK/dk

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

# **Professional Engineering Appendix**



**LEGEND**

-  PROPERTY LINE
-  MONITORING WELL  
X.XX POTENTIOMETRIC SURFACE ELEVATION (FT)
-  POTENTIOMETRIC SURFACE CONTOUR
-  GROUND WATER FLOW DIRECTION

**NOTE:**

1. CONTOURS REPRESENT APPROXIMATE ELEVATIONS ABOVE MEAN SEA LEVEL.

Base map from Groundwater Technology, Inc.



Chevron Station 9-0076  
4265 Foothill Boulevard  
Oakland, California

VCHEVRON9-0076/0076-QM.DWG

Ground Water Elevation  
September 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
09/20/95	38.41	24.59	13.82	--	730	27	78	26	130

## 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	TPH- Gasoline	Benzene	Toluene	Ethyl- Benzene	Xylene
	Head Elev.	Water Elev.	To Water						
<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
09/20/95	37.47	19.27	18.20	--	58,000	6600	330	1600	5500



## 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-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

## 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-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	
09/20/95	36.49	20.29	16.20	--	12,000	6900	510	290	1300	

## 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-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

## 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	TPH- Gasoline	Benzene	Toluene	Ethyl- Benzene	Xylene
	Head Elev.	Water Elev.	To Water						
<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

## 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-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

## 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-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

## 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	<0.8
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

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 9-0076/950920-T2	Sampled: 09/20/95
985 Timothy Drive	Sample Descript: C-1	Received: 09/21/95
San Jose, CA 95133	Matrix: LIQUID	
Attention: Jim Keller	Analysis Method: 8015Mod/8020	Analyzed: 09/23/95
	Lab Number: 9509D65-01	Reported: 09/26/95

QC Batch Number: GC092295BTEX02B  
Instrument ID: GCHP02

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	730
Benzene	0.50	27
Toluene	0.50	78
Ethyl Benzene	0.50	26
Xylenes (Total)	0.50	130
Chromatogram Pattern:		Gas

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70      130	107

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	Client Proj. ID: Chevron 9-0076/950920-T2	Sampled: 09/20/95
985 Timothy Drive	Sample Descript: C-2	Received: 09/21/95
San Jose, CA 95133	Matrix: LIQUID	
Attention: Jim Keller	Analysis Method: 8015Mod/8020	Analyzed: 09/23/95
	Lab Number: 9509D65-02	Reported: 09/26/95

QC Batch Number: GC092295BTEX02B  
Instrument ID: GCHP02

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	5000	58000
Benzene	50	6600
Toluene	50	330
Ethyl Benzene	50	1600
Xylenes (Total)	50	5500
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 #1210

Peggy Penner  
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-0076/950920-T2 Sample Descript: C-3 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9509D65-03	Sampled: 09/20/95 Received: 09/21/95  Analyzed: 09/23/95 Reported: 09/26/95
Attention: Jim Keller		

QC Batch Number: GC092295BTEX03B  
Instrument ID: GCHP03

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	100	560
Benzene	1.0	21
Toluene	1.0	80
Ethyl Benzene	1.0	23
Xylenes (Total)	1.0	120
Chromatogram Pattern:		Gas
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	111

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	Client Proj. ID: Chevron 9-0076/950920-T2	Sampled: 09/20/95
985 Timothy Drive	Sample Descript: C-4	Received: 09/21/95
San Jose, CA 95133	Matrix: LIQUID	
Attention: Jim Keller	Analysis Method: 8015Mod/8020	Analyzed: 09/24/95
	Lab Number: 9509D65-04	Reported: 09/26/95


QC Batch Number: GC092495BTEX02A  
Instrument ID: GCHP02

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	5000	12000
Benzene	50	6900
Toluene	50	510
Ethyl Benzene	50	290
Xylenes (Total)	50	1300
Chromatogram Pattern:		Gas
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70      130	90

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 9-0076/950920-T2 Sample Descript: C-5 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9509D65-05	Sampled: 09/20/95 Received: 09/21/95 Analyzed: 09/23/95 Reported: 09/26/95
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QC Batch Number: GC092295BTEX03B  
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	112

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

**SEQUOIA ANALYTICAL - ELAP #1210**




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Peggy Penner  
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-0076/950920-T2 Sample Descript: C-6 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9509D65-06	Sampled: 09/20/95 Received: 09/21/95 Analyzed: 09/23/95 Reported: 09/26/95
--	--	---

QC Batch Number: GC092295BTEX03B  
Instrument ID: GCHP03

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	500	3500
Benzene	5.0	770
Toluene	5.0	N.D.
Ethyl Benzene	5.0	45
Xylenes (Total)	5.0	17
Chromatogram Pattern:		Gas
Unidentified HC		<C8
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	112

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 9-0076/950920-T2 Sample Descript: C-7 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9509D65-07	Sampled: 09/20/95 Received: 09/21/95 Analyzed: 09/23/95 Reported: 09/26/95
Attention: Jim Keller		

QC Batch Number: GC092295BTEX03B  
Instrument ID: GCHP03

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


Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	2500	9400
Benzene	25	610
Toluene	25	81
Ethyl Benzene	25	250
Xylenes (Total)	25	800
Chromatogram Pattern:		Gas
Unidentified HC		< C8

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	151 Q

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 9-0076/950920-T2 Sample Descript: C-8 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9509D65-08	Sampled: 09/20/95 Received: 09/21/95 Analyzed: 09/23/95 Reported: 09/26/95
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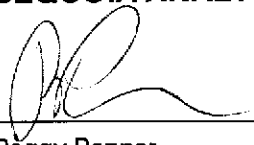
QC Batch Number: GC092295BTEX03B  
Instrument ID: GCHP03

**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	114

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	Client Proj. ID: Chevron 9-0076/950920-T2	Sampled: 09/20/95
985 Timothy Drive	Sample Descript: TB	Received: 09/21/95
San Jose, CA 95133	Matrix: LIQUID	
Attention: Jim Keller	Analysis Method: 8015Mod/8020	Analyzed: 09/23/95
	Lab Number: 9509D65-09	Reported: 09/26/95


QC Batch Number: GC092295BTEX03B  
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	114

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

**SEQUOIA ANALYTICAL** - ELAP #1210




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Peggy Penner  
Project Manager





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

Client Proj. ID: Chevron 9-0076/950920-T2  
Lab Proj. ID: 9509D65

Received: 09/21/95  
Reported: 09/26/95

## LABORATORY NARRATIVE

Q = High surrogate recovery due to coelution.

TPPH Note: Sample 9509D65-02 was diluted 100-fold.  
Sample 9509D65-03 was diluted 2-fold.  
Sample 9509D65-04 was diluted 100-fold.  
Sample 9509D65-06 was diluted 10-fold.  
Sample 9509D65-07 was diluted 50-fold.

**SEQUOIA ANALYTICAL**

Peggy Penner  
Project Manager





Blaine Tech Services, Inc. 985 Timothy Drive San Jose, CA 95133 Attention: Jim Keller	Client Project ID: Chevron 9-0076/950920-T2 Matrix: Liquid Work Order #: 9509D65 -01-02	Reported: Sep 29, 1995
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**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC092295BTEX02B	GC092295BTEX02B	GC092295BTEX02B	GC092295BTEX02B
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>	950991705	950991705	950991705	950991705
<b>Sample Conc.:</b>	N.D.	N.D.	N.D.	N.D.
<b>Prepared Date:</b>	9/22/95	9/22/95	9/22/95	9/22/95
<b>Analyzed Date:</b>	9/22/95	9/22/95	9/22/95	9/22/95
<b>Instrument I.D.#:</b>	GCHP2	GCHP2	GCHP2	GCHP2
<b>Conc. Spiked:</b>	10 µg/L	10 µg/L	10 µg/L	30 µg/L
<b>Result:</b>	9.0	9.4	9.4	28
<b>MS % Recovery:</b>	90	94	94	93
<b>Dup. Result:</b>	13	9.1	9.1	27
<b>MSD % Recov.:</b>	130	91	91	90
<b>RPD:</b>	36	3.2	3.2	3.6
<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>	-	-	-	-

<b>MS/MSD</b>				
<b>LCS</b>	71-133	72-128	72-130	71-120
<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.





Blaine Tech Services, Inc. 985 Timothy Drive San Jose, CA 95133 Attention: Jim Keller	Client Project ID: <b>Chevron 9-0076/950920-T2</b> Matrix: <b>Liquid</b>  Work Order #: <b>9509D65-03, 05-09</b>	Reported: <b>Sep 29, 1995</b>
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**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC092295BTEX03B	GC092295BTEX03B	GC092295BTEX03B	GC092295BTEX03B
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 #:	950991705	950991705	950991705	950991705
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/22/95	9/22/95	9/22/95	9/22/95
Analyzed Date:	9/22/95	9/22/95	9/22/95	9/22/95
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	8.2	8.1	8.1	24
MS % Recovery:	82	81	81	80
Dup. Result:	8.5	8.4	8.4	25
MSD % Recov.:	85	84	84	83
RPD:	3.6	3.6	3.6	4.1
RPD Limit:	0-50	0-50	0-50	0-50

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

MS/MSD				
LCS	71-133	72-128	72-130	71-120
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.

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

9509D65.BLA <2>





Blaine Tech Services, Inc. Client Project ID: Chevron 9-0076/950920-T2  
 985 Timothy Drive Matrix: Liquid  
 San Jose, CA 95133  
 Attention: Jim Keller Work Order #: 9509D65-04 Reported: Sep 29, 1995

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC092495BTEX02A	GC092495BTEX02A	GC092495BTEX02A	GC092495BTEX02A
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 #:	9509C7102	9509C7102	9509C7102	9509C7102
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/24/95	9/24/95	9/24/95	9/24/95
Analyzed Date:	9/24/95	9/24/95	9/24/95	9/24/95
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	11	11	32
MS % Recovery:	100	110	110	107
Dup. Result:	10	10	10	31
MSD % Recov.:	100	100	100	103
RPD:	0.0	9.5	9.5	3.2
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**

*R. 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.

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

9509D65.BLA <3>



Chevron U.S.A. Inc. P.O. BOX 5004 San Ramon, CA 94583 FAX (415)842-9591	Chevron Facility Number <u>9-0076</u> Facility Address <u>4265 Foothill Blvd., Oakland, CA</u> Consultant Project Number <u><del>950909-T2</del> 950920-T2</u> Consultant Name <u>Blaine Tech Services, Inc.</u> Address <u>985 Timothy Dr., San Jose, CA 95133</u> Project Contact (Name) <u>Jim Keller</u> (Phone) <u>408 995-5535</u> (Fax Number) <u>408 293-8773</u>	Chevron Contact (Name) <u>Mark Miller</u> (Phone) <u>(510) 842-8134</u> Laboratory Name <u>Sequoia</u> Laboratory Release Number <u>2172480</u> Samples Collected by (Name) <u>Mike Toll</u> Collection Date <u>9-20-95</u> Signature <u>m/toll</u>
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Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed												Remarks
								BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (8520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)	9509065				
C-1	01	3	U		13:25	HCL	Y	X												
C-2	02	3	W		14:40	HCL	Y	X												
C-3	03	3	W		13:10	HCL	Y	X												
C-4	04	3	U		14:25	HCL	Y	X												
C-5	05	3	U		12:45	HCL	Y	X												
C-6	06	3	U		13:50	HCL	Y	X												
C-7	07	3	W		14:15	HCL	Y	X												
C-8	08	3	W		12:10	HCL	Y	X												
TB	09	2	U			HCL	Y	X												

Relinquished By (Signature) <i>m/toll</i>	Organization <b>BTS</b>	Date/Time 9-21-95 10:20	Received By (Signature) <i>SR</i>	Organization <b>SEQ</b>	Date/Time 9-21-95 10:20*	Turn Around Time (Circle Choice)  24 Hrs. 48 Hrs. 6 Days 10 Days <b>As Contracted</b>
Relinquished By (Signature) <i>SR</i>	Organization <b>SEQ</b>	Date/Time 9-21-95 11:45	Received By (Signature) <i>[Signature]</i>	Organization	Date/Time	
Received By (Signature) <i>[Signature]</i>	Organization	Date/Time	Received For Laboratory By (Signature) <i>[Signature]</i>	Organization <b>Sequoia</b>	Date/Time 9/21/95 1:13	

# **Field Data Sheets**





# CHEVRON WELL MONITORING DATA SHEET

Project #: 952009-T2	Station #: 9-0076
Sampler: MT	Start Date: 9-20
Well I.D.: C-1	Well Diameter: (circle one) 2 <u>4</u> 6
Total Well Depth: Before 39.07 After	Depth to Water: Before 13.82 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>RVO</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

9.4	x	3	=	28.2
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:
13:18	72.8	6.8	800	-	9.5	
13:19	73.8	6.6	800	-	19	
13:20	73.6	6.6	800	-	28.5	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 28.5

Sampling Time: 13:25 Sampling Date: 9-20

Sample I.D.: C-1 Laboratory: NETSER

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 #: 952009-T2	Station #: 9-0076
Sampler: NT	Start Date: 9-20
Well I.D.: C-2	Well Diameter: (circle one) 2 <input checked="" type="radio"/> 4 <input type="radio"/> 6 <input type="radio"/>
Total Well Depth: Before 36.01 After	Depth to Water: Before 18.20 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>6.6</u>	x	<u>3</u>	=	<u>19.8</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:
14:35	86.8	6.4	800	-	7	sdv
14:36	90.6	6.4	800	-	14	"
14:37	93.8	6.4	800	-	20	"

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 20

Sampling Time: 14:40 Sampling Date: 9-20

Sample I.D.: C-2 Laboratory: NET SEQ

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

(Circle)

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

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

(Circle)

# CHEVRON WELL MONITORING DATA SHEET

Project #: 952009-T2	Station #: 9-0076
Sampler: MT	Start Date: 9-20
Well I.D.: C-3	Well Diameter: (circle one) 2 <u>4</u> 6
Total Well Depth: Before 39.05 After	Depth to Water: Before 18.95 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>7.5</u>	x	<u>3</u>	=	<u>22.5</u>
1 Case Volume		Specified Volumes		gallons

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

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
13:05	70.2	7.0	700	-	7.5	
13:06	74.0	6.8	600	-	15	
13:07	75.0	6.8	600	-	22.5	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 22.5

Sampling Time: 13:10 Sampling Date: 9-20

Sample I.D.: C-3 Laboratory: AJET SEG

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 #: 952009-T2	Station #: 9-0076
Sampler: <input checked="" type="radio"/> MT	Start Date: 9-20
Well I.D.: C-4	Well Diameter: (circle one) 2 <input checked="" type="radio"/> 4 6
Total Well Depth: Before 38.87 After	Depth to Water: Before 16.20 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <input checked="" type="radio"/> PVC	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

8.4	x	3	=	25.2
1 Case Volume		Specified Volumes		gallons

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

TIME	TEMP. (F)	PH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
14:17	82.2	6.6	900	-	8.5	Odor / Sheen
14:20	88.4	6.5	800	-	17	Odor / Sheen
14:21	89.8	6.4	800	-	25.5	Odor / Sheen

Did Well Dewater?  If yes, gals.      Gallons Actually Evacuated: 25.5

Sampling Time: 14:25	Sampling Date: 9-20
Sample I.D.: C-4	Laboratory: NET SER
Analyzed for: <input checked="" type="checkbox"/> TPH-G <input checked="" type="checkbox"/> BTEX <input type="checkbox"/> TPH-D OTHER:	(Circle)
Duplicate I.D.:	Cleaning Blank I.D.:
Analyzed for: TPH-G BTEX TPH-D OTHER:	(Circle)

# CHEVRON WELL MONITORING DATA SHEET

Project #: 958009-T2	Station #: 9-0074
Sampler: WT	Start Date: 9-20
Well I.D.: C-5	Well Diameter: (circle one) <u>2</u> 4 6
Total Well Depth: Before 44.21 After	Depth to Water: Before 24.34 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

3.2	x	3	=	9.6
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:
12:30	86.4	6.8	600	-	3.5	
12:35	87.6	6.7	600	-	7	
12:40	89.8	6.7	600	-	10	

Did Well Dewater? NO If yes, gals.      Gallons Actually Evacuated: 10

Sampling Time: 12:45      Sampling Date: 9-20

Sample I.D.: C-5      Laboratory: SLQ

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 #: 952009-T2	Station #: 9-0076
Sampler: MT	Start Date: 9-20
Well I.D.: C-6	Well Diameter: (circle one) ② 3 4 6
Total Well Depth:	Depth to Water:
Before 54.18 After	Before 24.05 After 28.08
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>Avg</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

$$\frac{48.91 \times 1.2}{1 \text{ Case Volume}} \times \frac{3}{\text{Specified Volumes}} = \frac{144.291}{\text{gallons}}$$

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

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

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
13:35	74.4	7.4	900	-	<del>5.0</del> 5.0	Strong Odor & dark color
13:40	73.0	7.3	1200	-	<del>10</del> 10	" "
13:45	73.0	7.2	1200	-	<del>15</del> 15	" "

Did Well Dewater? No If yes, gals. Gallons Actually Evacuated: 15

Sampling Time: 13:50 Sampling Date: 9-20

Sample I.D.: C-6 Laboratory: NET SEW

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 #: 952009-T2	Station #: 9-0076
Sampler: MT	Start Date: 9-20
Well I.D.: C-8	Well Diameter: (circle one) <del>2</del> 4 6
Total Well Depth: Before 56.05 After	Depth to Water: Before 29.46 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

4.3	x	3	=	12.9
1 Case Volume		Specified Volumes		gallons

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

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
11:55	89.2	6.8	400	-	4.5	
12:00	87.2	6.4	400	-	9	
12:05	93.2	6.6	500	-	13	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 13

Sampling Time: 12:10 Sampling Date: 9-20

Sample I.D.: C-8 Laboratory: WEST SER

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

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

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