



# BLAINE TECH SERVICES INC.

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

October 15, 1996

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

### **3rd Quarter 1996 monitoring at 9-2582**

Third Quarter 1996 Groundwater Monitoring at  
Chevron Service Station number 9-2582  
7240 Dublin Boulevard  
Dublin, California

Monitoring performed on September 12, 1996

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### **Groundwater Sampling Report 960912-J-1**

This report covers the routine quarterly monitoring of groundwater wells at this former Chevron facility. Blaine Tech Services, Inc. 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.

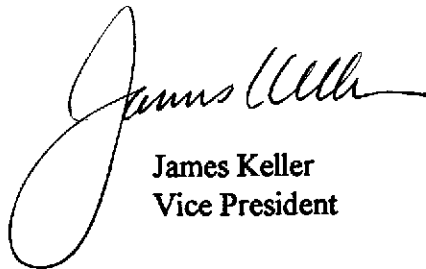
Routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated volume of a three-case volume purge, elapsed evacuation time, total volume of water removed, and standard water parameter instrument readings. Sample material 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 on 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.

Yours truly,

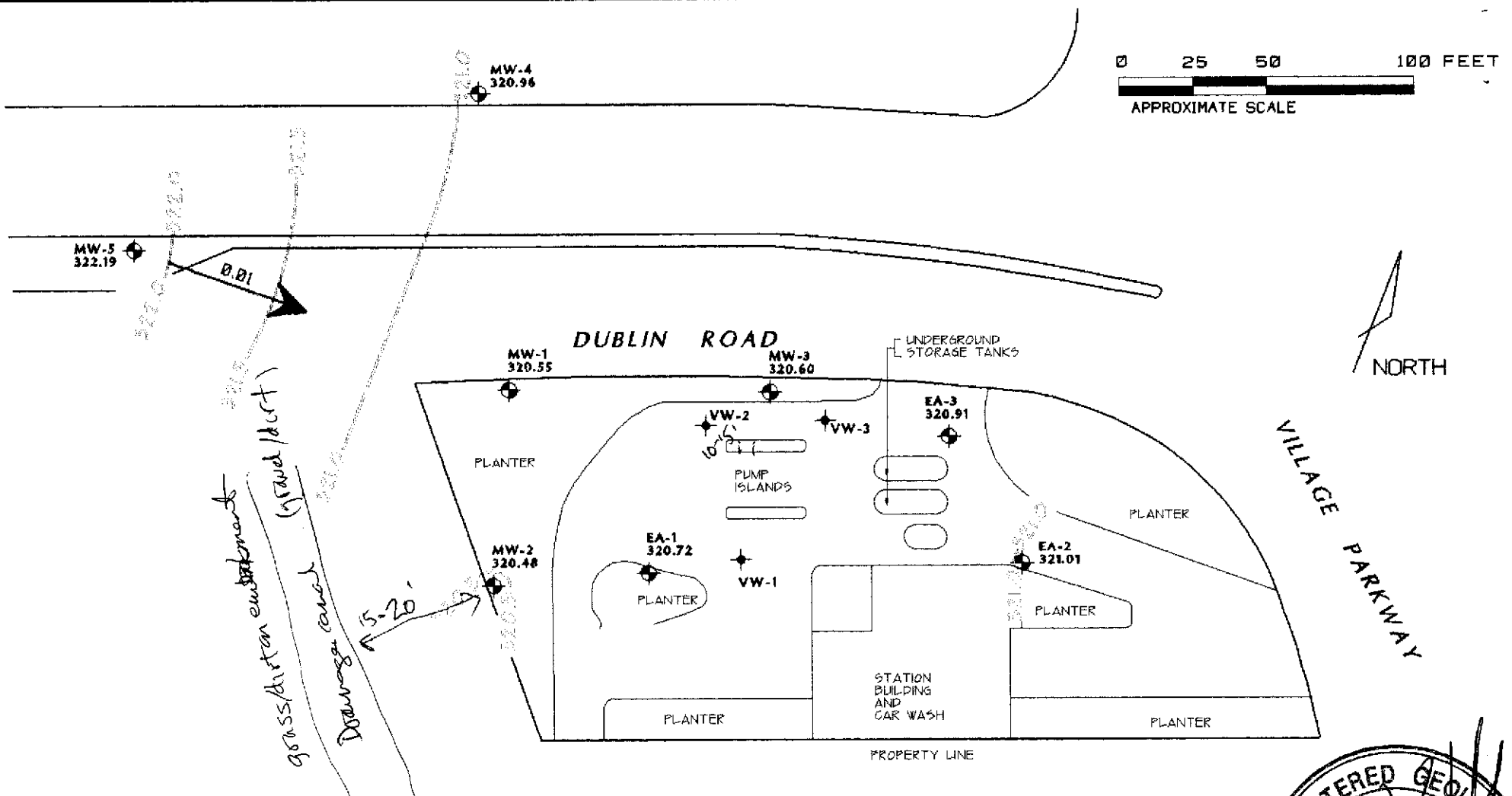
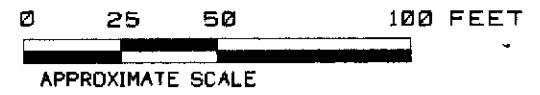
A handwritten signature in black ink, appearing to read "James Keller". The signature is fluid and cursive, with a large loop at the beginning.

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**

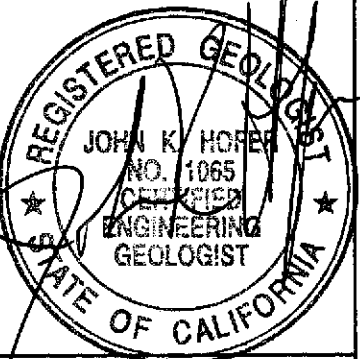


EXPLANATION	
MW-2	GROUND-WATER MONITORING WELL
320.48	GROUND-WATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
VW-3	VADOSE MONITORING WELL
321.0	GROUND-WATER ELEVATION CONTOUR IN FEET ABOVE MEAN SEA LEVEL
0.01	APPROXIMATE DIRECTION OF GROUND-WATER FLOW. GRADIENT INDICATED IN FEET / FEET

TITLE : GROUND-WATER ELEVATION CONTOUR MAP - SEPTEMBER 12, 1996

LOCATION : FORMER CHEVRON SERVICE STATION #9-2582 7240 DUBLIN BOULEVARD, DUBLIN, CALIFORNIA

SOURCE : RESNA



GEOCONSULTANTS, INC  
 SAN JOSE, CALIFORNIA  
 Project No. Q758-09  
 DRWG NO: W091296 REV:

**Table of  
Well Data and  
Analytical Results**

## Cumulative Table of Well Data and Analytical Results

Vertical measurements are in feet.

Analytical values are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	1,2-DCA
<b>EA-1</b>											
10/17/88	333.41	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/24/88	333.41	322.77	10.64	Gauging	--	--	--	--	--	--	--
11/02/88	333.41	322.72	10.69	Gauging	--	--	--	--	--	--	--
12/20/88	333.41	322.90	10.51	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/28/89	333.41	323.54	9.87	--	<250	<0.5	<0.5	<0.5	<0.5	--	--
08/02/89	333.41	323.07	10.34	--	<50	<0.1	<0.1	<0.1	<0.1	--	<0.1
11/06/89	333.41	322.76	10.65	--	<500	<3.0	<5.0	<5.0	<5.0	--	<5.0
01/25/90	333.41	322.81	10.60	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5
04/23/90	333.41	322.83	10.58	--	71	2.0	5.0	3.0	8.0	--	<0.5
08/01/90	333.41	322.53	10.88	--	300	86	21	10	33	--	--
10/24/91	333.41	322.29	11.12	--	280	69	13	11	16	--	--
01/31/91	333.41	322.25	11.16	--	460	160	11	17	17	--	--
08/21/91	333.41	322.61	10.80	--	2400	400	220	44	120	--	--
08/21/91	333.41	--	--	Duplicate	2300	390	210	42	120	--	--
10/07/91	333.41	322.62	10.79	Not sampled	--	--	--	--	--	--	--
01/28/92	333.41	322.62	10.79	--	3600	320	360	110	310	--	--
01/28/92	333.41	--	--	Duplicate	3000	290	320	99	270	--	--
06/05/92	333.41	322.57	10.84	--	1700	290	89	61	130	--	--
09/30/92	333.41	322.35	11.06	--	2100	160	260	80	350	--	--
12/30/92	333.41	323.26	10.15	Sheen, odor	3200	240	180	110	310	--	--
03/29/93	333.41	323.99	9.42	Odor	23,000	700	3000	610	--	--	--
06/25/93	333.41	322.99	10.42	--	2700	130	590	130	590	--	--
09/16/93	333.41	322.75	10.66	--	3900	410	830	220	890	--	--
12/20/93	333.41	322.81	10.60	--	27,000	1200	2600	1100	4200	--	--
03/29/94	333.41	323.00	10.41	--	6300	250	700	200	830	--	--
06/22/94	333.41	323.01	10.40	--	4100	71	240	110	460	<30	<10
09/20/94	333.41	323.04	10.37	--	8500	1200	1300	370	1400	--	--
10/04/94	333.41	323.07	10.34	--	7600	97	360	150	620	--	--
11/30/94	333.41	323.95	9.46	--	8800	180	490	240	900	--	--

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## Cumulative Table of Well Data and Analytical Results

Vertical measurements are in feet.

Analytical values are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	1,2-DCA
<b>EA-1 (CONT'D)</b>											
03/02/95	331.03	321.07	9.96	--	6900	82	570	210	970	--	--
06/15/95	331.03	321.23	9.80	--	4800	44	210	160	620	<25	--
09/26/95	331.03	320.55	10.48	--	13,000	150	620	370	1400	<125	--
12/28/95	331.03	320.89	10.14	--	11,000	74	250	200	750	79	--
02/29/96	331.03	322.29	8.74	--	17,000	59	480	350	1600	<125	--
06/27/96	331.03	320.82	10.21	--	3600	22	130	130	49	46	--
09/12/96	331.21	320.72	10.49	--	2000	20	<10	18	44	<50	--

## Cumulative Table of Well Data and Analytical Results

Vertical measurements are in feet.

Analytical values are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	1,2-DCA
<b>EA-2</b>											
10/17/88	332.59	--	--	--	<50	<0.5	<0.5	<0.5	1.2	--	--
10/24/88	332.59	322.89	9.70	Gauging	--	--	--	--	--	--	--
11/02/88	332.59	322.56	10.03	Gauging	--	--	--	--	--	--	--
12/20/88	332.59	322.61	9.98	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/28/89	332.59	323.79	8.80	--	<250	<2.	<0.5	<0.5	<0.5	--	<0.5
08/02/89	332.59	323.15	9.44	--	<50	<0.1	<0.1	<0.1	<0.1	--	<0.1
11/06/89	332.59	323.06	9.53	--	<500	<3.0	<5.0	<5.0	<5.0	--	<5.0
01/25/90	332.59	323.32	9.27	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5
04/23/90	332.59	323.24	9.35	--	<50	0.6	0.8	<0.5	2.0	--	<0.5
08/01/90	332.59	322.88	9.71	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/24/90	332.59	322.51	10.08	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/31/91	332.59	322.38	10.21	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/31/91	332.59	--	--	Duplicate	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/21/91	332.59	322.79	9.80	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/07/91	332.59	322.61	9.98	Not sampled	--	--	--	--	--	--	--
01/28/92	332.59	322.78	9.81	--	<50	0.8	<0.5	<0.5	<0.5	--	--
06/05/92	332.59	322.73	9.86	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/30/92	332.59	321.99	10.60	--	66	1.0	3.2	1.3	7.4	--	--
12/30/92	332.59	323.48	9.11	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/29/93	332.59	324.86	7.73	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
06/25/93	332.59	323.37	9.22	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
09/16/93	332.59	322.59	10.00	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
12/20/93	332.59	323.21	9.38	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/29/94	332.59	323.29	9.30	--	<50	<0.5	0.6	<0.5	<0.5	--	--
06/22/94	332.59	323.10	9.49	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/26/94	332.59	322.87	9.72	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/04/94	332.59	323.01	9.58	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/30/94	332.59	323.89	8.70	--	<50	<0.5	<0.5	<0.5	<0.5	--	--

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## Cumulative Table of Well Data and Analytical Results

Vertical measurements are in feet.

Analytical values are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	1,2-DCA
<b>EA-2 (CONT'D)</b>											
03/02/95	330.21	321.67	8.54	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/07/95	330.21	321.79	8.42	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/26/95	330.21	320.87	9.34	--	540	6.8	<0.5	47	29	13	--
12/28/95	330.21	321.37	8.84	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
02/29/96	330.21	322.77	7.44	--	<50	<0.5	<0.5	<0.5	1.5	<2.5	--
06/27/96	330.21	321.38	8.83	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/12/96	330.41	321.01	9.40	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--

## Cumulative Table of Well Data and Analytical Results

Vertical measurements are in feet.

Analytical values are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	1,2-DCA
<b>EA-3</b>											
10/17/88	333.64	--	--	--	<50	1.8	<0.5	<0.5	3	--	--
10/24/88	333.64	322.61	11.03	Gauging	--	--	--	--	--	--	--
11/02/88	333.64	322.61	11.03	Gauging	--	--	--	--	--	--	--
12/20/88	333.64	322.68	10.96	--	240	90	1.2	13	3.3	--	--
03/28/89	333.64	322.87	9.77	--	2300	380	130	240	910	--	--
08/02/89	333.64	322.99	10.65	--	<50	<0.1	<0.1	<0.1	<0.1	--	<0.1
11/06/89	333.64	322.86	10.78	--	<500	<3.0	<5.0	<5.0	<5.0	--	<5.0
01/25/90	333.64	322.98	10.66	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5
04/23/90	333.64	322.96	10.68	--	<50	0.8	<0.5	0.9	<0.5	--	<0.5
08/01/90	333.64	322.61	11.03	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/24/90	333.64	322.29	11.35	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/31/91	333.64	322.12	11.52	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/21/91	333.64	--	--	Not sampled	--	--	--	--	--	--	--
10/07/91	333.64	322.49	11.15	--	180	40	20	4.7	8.4	--	--
10/07/91	333.64	--	--	Duplicate	200	43	17	4.1	6.7	--	--
01/28/92	333.64	322.12	11.08	--	640	69	85	13	46	--	--
06/05/92	333.64	322.66	10.98	--	250	63	8.3	3.0	9.5	--	--
09/30/92	333.64	322.26	11.38	--	330	120	33	6.3	22	--	--
12/30/92	333.64	323.16	10.48	--	58	7.6	1.3	2.5	5.4	--	--
03/29/93	333.64	324.34	9.30	--	120	11	4.5	6.2	13	--	--
06/25/93	333.64	323.18	10.46	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
09/16/93	333.64	322.74	10.90	--	85	3.9	8.8	4.5	22	--	--
12/20/93	333.64	322.98	10.66	--	190	12	12	13	50	--	--
03/29/94	333.64	323.14	10.50	--	<50	<0.5	1.2	<0.5	0.9	--	--
06/22/94	333.64	323.00	10.64	--	<50	<0.5	<0.5	<0.5	<0.5	<3.0	<1.0
09/26/94	333.64	322.92	10.72	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/04/94	333.64	322.96	10.68	--	<50	<0.5	<0.5	<0.5	0.7	--	--
11/30/94	333.64	323.98	9.66	--	170	6.1	3.0	6.5	28	--	--

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## Cumulative Table of Well Data and Analytical Results

Vertical measurements are in feet.

Analytical values are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH- Gasoline	Benzene	Toluene	Ethyl- Benzene	Xylene	MTBE	1,2-DCA
<b>EA-3 (CONT'D)</b>											
03/02/95	331.30	321.38	9.92	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/07/95	331.30	321.58	9.72	--	<50	<0.5	<0.5	<0.5	<0.5	3.2	--
09/26/95	331.30	320.70	10.60	--	2000	140	<5.0	<5.0	190	280	--
12/28/95	331.30	321.48	9.82	--	<50	<0.5	<0.5	<0.5	<0.5	26	--
02/29/96	331.30	323.02	8.28	--	<50	2.1	<0.5	2.5	6.0	31	--
06/27/96	331.30	321.39	9.91	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/12/96	331.50	320.91	10.59	--	13,000	<20	<20	<20	<20	48	--

## Cumulative Table of Well Data and Analytical Results

Vertical measurements are in feet.

Analytical values are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	1,2-DCA
<b>MW-1</b>											
10/04/94	333.56	320.76	12.80	--	2100	150	170	61	320	--	--
11/30/94	333.56	321.18	12.38	--	1500	210	17	73	130	--	--
03/02/95	333.56	320.68	12.88	--	2600	510	<10	160	<10	--	--
06/07/95	333.56	320.98	12.58	--	710	160	<2.0	45	<2.0	<10	--
09/26/95	333.56	320.41	13.15	--	1100	140	1.4	92	1.8	<5.0	--
12/28/95	333.56	320.47	13.09	--	750	96	2.5	61	7.4	37	--
02/29/96	333.56	321.39	12.17	--	250	17	<0.5	18	0.81	9.0	--
06/27/96	333.56	320.61	12.95	--	710	72	<2.0	92	2.2	<10	--
09/12/96	333.66	320.55	13.11	--	300	53	<0.5	32	0.65	21	--

## Cumulative Table of Well Data and Analytical Results

Vertical measurements are in feet.

Analytical values are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH- Gasoline	Benzene	Toluene	Ethyl- Benzene	Xylene	MTBE	1,2-DCA
<b>MW-2</b>											
10/04/94	329.18	320.62	8.56	--	2300	160	280	96	480	--	--
11/30/94	329.18	320.85	8.33	--	1600	170	16	110	120	--	--
03/02/95	329.18	320.83	8.35	--	1200	220	5.6	140	36	--	--
06/07/95	329.18	320.56	8.62	--	160	25	<0.5	16	<0.5	240	--
09/26/95	329.18	320.47	8.71	--	150	15	<0.5	7.2	<0.5	120	--
12/28/95	329.18	320.40	8.78	--	400	34	1.3	26	5.1	170	--
02/29/96	329.18	321.36	7.82	--	120	29	<0.5	<0.5	<0.5	790	--
06/27/96	329.18	320.46	8.72	--	150	13	<0.5	7.0	<0.5	850	--
09/12/96	329.29	320.48	8.81	--	<1000	18	<10	<10	<10	3100	--

## Cumulative Table of Well Data and Analytical Results

Vertical measurements are in feet.

Analytical values are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	1,2-DCA
<b>MW-3</b>											
10/04/94	332.73	320.67	12.06	--	6300	610	750	68	670	--	--
11/30/94	332.73	321.35	11.38	--	17,000	3600	490	430	610	--	--
03/02/95	332.73	320.76	11.97	--	8500	2200	<50	240	<50	64,000	--
06/07/95	332.73	321.19	11.54	--	3000	710	18	220	44	3100	--
09/26/95	332.73	320.37	12.36	--	<10,000	230	<100	130	<100	64,000	--
12/28/95	332.73	320.66	12.07	--	<12,500	760	<125	<125	<125	100,000	--
02/29/96	332.73	321.72	11.01	--	1600	380	<10	84	17	33,000	--
06/27/96	332.73	320.80	11.93	--	1400	<2.5	4.3	130	4.0	96,000	--
09/12/96	332.86	320.60	12.26	--	<10,000	560	<100	110	<100	100,000	--

## Cumulative Table of Well Data and Analytical Results

Vertical measurements are in feet.

Analytical values are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH- Gasoline	Benzene	Toluene	Ethyl- Benzene	Xylene	MTBE	1,2-DCA
<b>MW-4</b>											
03/01/96	332.64	322.74	9.90	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/02/96	332.64	322.87	9.77	--	--	--	--	--	--	--	--
06/27/96	332.64	322.64	10.00	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/12/96	332.63	320.96	11.67	--	<50	<0.5	<0.5	<0.5	<0.5	3.5	--

## Cumulative Table of Well Data and Analytical Results

Vertical measurements are in feet.

Analytical values are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH- Gasoline	Benzene	Toluene	Ethyl- Benzene	Xylene	MTBE	1,2-DCA
<b>MW-5</b>											
03/01/96	333.20	322.58	10.62	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/02/96	333.20	323.06	10.14	--	--	--	--	--	--	--	--
06/27/96	333.20	322.98	10.22	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/12/96	333.04	322.19	10.85	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--



## Cumulative Table of Well Data and Analytical Results

Verical measurements are in feet.

Analytical values are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH- Gasoline	Benzene	Toluene	Ethyl- Benzene	Xylene	MTBE	1,2-DCA
<b>TRIP BLANK</b>											
07/28/89	--	--	--	--	<50	<0.1	<0.1	<0.1	<0.1	--	<0.1
11/06/89	--	--	--	--	<500	<3.0	<0.5	<0.5	<0.5	--	<0.5
01/25/90	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/01/90	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	<0.5
10/24/90	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/31/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
08/21/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/07/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/28/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/05/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/30/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/30/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/29/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
06/25/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
09/16/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
12/20/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/29/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/22/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/26/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/04/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/30/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/02/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/07/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/26/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/28/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/29/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
03/01/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/27/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/12/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--

## Cumulative Table of Well Data and Analytical Results

Verical measurements are in feet.

Analytical values are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH- Gasoline	Benzene	Toluene	Ethyl- Benzene	Xylens	MTBE	1,2-DCA
<b>PVC</b>											
08/02/89	--	--	11.52	--	100,000	8700	14,000	1700	17,000	--	50
08/02/89	--	--	--	Duplicate	110,000	9200	14000	1800	13,000	--	50
11/06/89	--	--	--	--	--	--	--	--	--	--	--
<b>EQUIPMENT BLANK</b>											
03/28/89	--	--	--	--	<250	<0.5	<0.5	<0.5	<0.5	--	--

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on September 30, 1992. Earlier field data and analytical results are drawn from the July 13, 1992 RENSA report. Site resurveyed on September 19, 1996 by Ron Archer Civil Engineer, Inc.

**ABBREVIATIONS:**

TPH = Total Petroleum Hydrocarbons  
 1,2-DCA = 1,2-Dichloroethane  
 MTBE = Methyl-t-butyl ether

# **Analytical Appendix**



Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-2582/960912-J1 Sample Descript: EA-1 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9609787-01	Sampled: 09/12/96 Received: 09/13/96  Analyzed: 09/19/96 Reported: 09/26/96
Attention: Jim Keller		

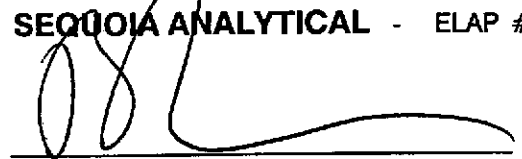
QC Batch Number: GC091996BTEX07A  
Instrument ID: GCHP07

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	1000	2000
Methyl t-Butyl Ether	50	N.D.
Benzene	10	20
Toluene	10	N.D.
Ethyl Benzene	10	18
Xylenes (Total)	10	44
Chromatogram Pattern:		Gas
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70                      130	94

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 9-2582/960912-J1 Sample Descript: EA-2 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9609787-02	Sampled: 09/12/96 Received: 09/13/96  Analyzed: 09/19/96 Reported: 09/26/96
Attention: Jim Keller		

QC Batch Number: GC091996BTEX07A  
Instrument ID: GCHP07

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

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	89

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 9-2582/960912-J1 Sample Descript: EA-3 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9609787-03	Sampled: 09/12/96 Received: 09/13/96  Analyzed: 09/20/96 Reported: 09/26/96
Attention: Jim Keller		

QC Batch Number: GC092096BTEX22A  
Instrument ID: GCHP22

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	2000	13000
Methyl t-Butyl Ether	100	48
Benzene	20	N.D.
Toluene	20	N.D.
Ethyl Benzene	20	N.D.
Xylenes (Total)	20	N.D.
Chromatogram Pattern:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70 130	84

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 9-2582/960912-J1 Sample Descript: MW-1 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9609787-04	Sampled: 09/12/96 Received: 09/13/96  Analyzed: 09/19/96 Reported: 09/26/96
--	---	---

QC Batch Number: GC091996BTEX07A  
Instrument ID: GCHP07

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	300
Methyl t-Butyl Ether	2.5	21
Benzene	0.50	53
Toluene	0.50	N.D.
Ethyl Benzene	0.50	32
Xylenes (Total)	0.50	0.65
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 9-2582/960912-J1 Sample Descript: MW-2 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9609787-05	Sampled: 09/12/96 Received: 09/13/96  Analyzed: 09/20/96 Reported: 09/26/96
Attention: Jim Keller		

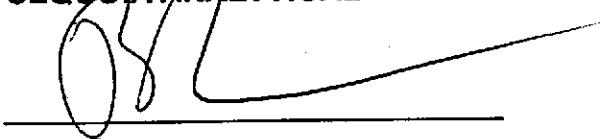
QC Batch Number: GC092096BTEX22A  
Instrument ID: GCHP22

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	1000	N.D.
Methyl t-Butyl Ether	50	3100
Benzene	10	18
Toluene	10	N.D.
Ethyl Benzene	10	N.D.
Xylenes (Total)	10	N.D.
Chromatogram Pattern:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70                      130	85

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

**SEQUOIA ANALYTICAL - ELAP #1210**



Peggy Penner  
Project Manager







Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-2582/960912-J1 Sample Descript: MW-3 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9609787-06	Sampled: 09/12/96 Received: 09/13/96  Analyzed: 09/20/96 Reported: 09/26/96
--	---	---

QC Batch Number: GC092096BTEX22A  
Instrument ID: GCHP22

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	10000	N.D.
Methyl t-Butyl Ether	500	100000
Benzene	100	560
Toluene	100	N.D.
Ethyl Benzene	100	110
Xylenes (Total)	100	N.D.
Chromatogram Pattern:		
<b>Surrogates</b>	<b>Control Limits %</b>	<b>% Recovery</b>
Trifluorotoluene	70                      130	82

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 9-2582/960912-J1 Sample Descript: MW-4 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9609787-07	Sampled: 09/12/96 Received: 09/13/96  Analyzed: 09/20/96 Reported: 09/26/96
Attention: Jim Keller		

QC Batch Number: GC092096BTEX22A  
Instrument ID: GCHP22

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	3.5
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	82

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 9-2582/960912-J1 Sample Descript: MW-5 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9609787-08	Sampled: 09/12/96 Received: 09/13/96  Analyzed: 09/19/96 Reported: 09/26/96
Attention: Jim Keller		

QC Batch Number: GC091996BTEX07A  
Instrument ID: GCHP07

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

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	86

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 9-2582/960912-J1 Sample Descript: TB Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9609787-09	Sampled: 09/12/96 Received: 09/13/96  Analyzed: 09/20/96 Reported: 09/26/96
Attention: Jim Keller		

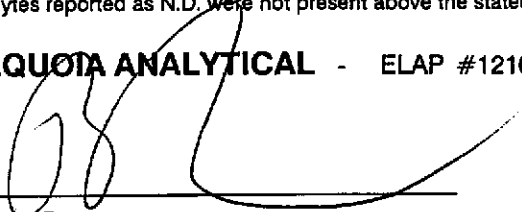
QC Batch Number: GC092096BTEX22A  
Instrument ID: GCHP22

**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	83

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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FAX (916) 921-0100

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

Client Proj. ID: Chevron 9-2582/960912-J1  
Lab Proj. ID: 9609787

Received: 09/13/96  
Reported: 09/26/96

### LABORATORY NARRATIVE

TPPH Note: Sample 9609787-01 was diluted 20-fold.  
Sample 9609787-03 was diluted 40-fold.  
Sample 9609787-05 was diluted 20-fold.  
Sample 9609787-06 was diluted 200-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 9-2582 / 960912-J1  
Matrix: Liquid

Work Order #: 9609787 -01-02, 04, 08

Reported: Sep 30, 1996

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC091996BTEX07A	GC091996BTEX07A	GC091996BTEX07A	GC091996BTEX07A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	H. Porter	H. Porter	H. Porter	H. Porter
MS/MSD #:	960954807	960954807	960954807	960954807
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/19/96	9/19/96	9/19/96	9/19/96
Analyzed Date:	9/19/96	9/19/96	9/19/96	9/19/96
Instrument I.D.#:	GCHP7	GCHP7	GCHP7	GCHP7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	8.5	8.1	24
MS % Recovery:	100	85	81	80
Dup. Result:	11	9.4	8.9	27
MSD % Recov.:	110	94	89	90
RPD:	9.5	10	9.4	12
RPD Limit:	0-25	0-25	0-25	0-25

LCS #:	BLK091996	BLK091996	BLK091996	BLK091996
Prepared Date:	9/19/96	9/19/96	9/19/96	9/19/96
Analyzed Date:	9/19/96	9/19/96	9/19/96	9/19/96
Instrument I.D.#:	GCHP7	GCHP7	GCHP7	GCHP7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	10	8.6	8.2	25
LCS % Recov.:	100	86	82	83

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

SEQUOIA ANALYTICAL

Peggy Penner  
Project Manager

**Please Note:**

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

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

9609787.BLA <1>





# Sequoia Analytical

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FAX (510) 988-9673  
FAX (916) 921-0100

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

Client Project ID: Chevron 9-2582 / 960912-J1  
Matrix: Liquid

Work Order #: 9609787-03, 05-07

Reported: Sep 30, 1996

## QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC092096BTEX22A	GC092096BTEX22A	GC092096BTEX22A	GC092096BTEX22A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	H. Porter	H. Porter	H. Porter	H. Porter
MS/MSD #:	960978708	960978708	960978708	960978708
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/20/96	9/20/96	9/20/96	9/20/96
Analyzed Date:	9/20/96	9/20/96	9/20/96	9/20/96
Instrument I.D.#:	GCHP22	GCHP22	GCHP22	GCHP22
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	11	9.6	9.2	29
MS % Recovery:	110	96	92	97
Dup. Result:	11	10	9.7	30
MSD % Recov.:	110	100	97	100
RPD:	0.0	4.1	5.3	3.4
RPD Limit:	0-25	0-25	0-25	0-25

LCS #:	BLK092096	BLK092096	BLK092096	BLK092096
Prepared Date:	9/20/96	9/20/96	9/20/96	9/20/96
Analyzed Date:	9/20/96	9/20/96	9/20/96	9/20/96
Instrument I.D.#:	GCHP22	GCHP22	GCHP22	GCHP22
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	11	9.6	9.2	29
LCS % Recov.:	110	96	92	97

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

SEQUOIA ANALYTICAL

Peggy Fenner  
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

9609787.BLA <2>





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

Client Project ID: Chevron 9-2582 / 960912-J1  
Matrix: Liquid

Work Order #: 9609787-09

Reported: Sep 30, 1996

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC092096BTEX07A	GC092096BTEX07A	GC092096BTEX07A	GC092096BTEX07A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	H. Porter	H. Porter	H. Porter	H. Porter
MS/MSD #:	960954807	960954807	960954807	960954807
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/20/96	9/20/96	9/20/96	9/20/96
Analyzed Date:	9/20/96	9/20/96	9/20/96	9/20/96
Instrument I.D.#:	GCHP7	GCHP7	GCHP7	GCHP7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	12	10	9.5	29
MS % Recovery:	120	100	95	97
Dup. Result:	11	9.5	9.0	27
MSD % Recov.:	110	95	90	90
RPD:	8.7	5.1	5.4	7.1
RPD Limit:	0-25	0-25	0-25	0-25

LCS #:	BLK092096	BLK092096	BLK092096	BLK092096
Prepared Date:	9/20/96	9/20/96	9/20/96	9/20/96
Analyzed Date:	9/20/96	9/20/96	9/20/96	9/20/96
Instrument I.D.#:	GCHP7	GCHP7	GCHP7	GCHP7
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	11	9.9	9.4	29
LCS % Recov.:	110	99	94	97

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

**Please Note:**

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

SEQUOIA ANALYTICAL

Peggy Fenner  
Project Manager

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

9609787.BLA <3>









# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>960912-J1</u>	Station #: <u>9-2582</u>
Sampler: <u>MS</u>	Date: <u>9/12/94</u>
Well I.D.: <u>EA-1</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth: <u>38.30</u>	Depth to Water: <u>10.49</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

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

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

<u>18.1</u>	x	<u>3</u>	=	<u>54.2</u> Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
<u>701</u>	<u>63.2</u>	<u>6.6</u>	<u>2700</u>	<u>19</u>	<u>0201</u>
<u>703</u>	<u>62.8</u>	<u>6.7</u>	<u>2900</u>	<u>38</u>	
<u>705</u>	<u>62.8</u>	<u>6.6</u>	<u>2900</u>	<u>55</u>	

Did well dewater? Yes  (No)  Gallons actually evacuated: 55

Sampling Time: 710 Sampling Date: 9/12

Sample I.D.: EA-1 Laboratory: Sequoia  GTEL

Analyzed for: TPH-G BTEX MIBE TPH-D Other: \_\_\_\_\_

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

# CHEVRON WELL MONITORING DATA SHEET

Project #: 960912-J1	Station #: 9-2582
Sampler: MS	Date: 9/12
Well I.D.: EA-2	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 39.00	Depth to Water: 9.40
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: 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: _____	

<del>19.2</del> 19.2	x	<u>3</u>	=	<del>57.7</del> 57.6	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
520	66.0	6.5	9200	20	
523	64.8	6.5	9000	38	
526	65.2	6.5	8900	58	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: <u>58</u>
Sampling Time: <u>530</u>	Sampling Date: <u>9/12</u>
Sample I.D.: <u>EA-2</u>	Laboratory: <u>Sequoia</u> GTEL
Analyzed for: <u>TPH-G BTEX MTBE</u> TPH-D Other:	

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

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>960912-J1</u>	Station #: <u>9-2582</u>
Sampler: <u>MS</u>	Date: <u>9/12/90</u>
Well I.D.: <u>EA-3</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>34.76</u>	Depth to Water: <u>1059</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

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

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

<u>15.7</u>	$\times$	<u>3</u>	$=$	<u>47.1</u> Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
<u>542</u>	<u>65.8</u>	<u>6.8</u>	<u>5900</u>	<u>10</u>	
<u>544</u>	<u>65.2</u>	<u>6.8</u>	<u>5500</u>	<u>32</u>	
<u>546</u>	<u>65.0</u>	<u>6.7</u>	<u>5500</u>	<u>48</u>	

Did well dewater? Yes  No  Gallons actually evacuated: 48

Sampling Time: 550 Sampling Date: 9/12

Sample I.D.: EA-3 Laboratory: Sequoia GTEL

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

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

# CHEVRON WELL MONITORING DATA SHEET

Project #: 960912-51	Station #: 9-2582
Sampler: MS	Date: 9/12/90
Well I.D.: MW-1	Well Diameter: 3 4 6 8
Total Well Depth: 25.34	Depth to Water: 13.11
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 <input checked="" type="checkbox"/> Middleburg Electric Submersible Extraction Pump Other: _____	Sampling Method: Bailer Disposable Bailer <input checked="" type="checkbox"/> Extraction Port Other: _____
--	---

2.0	x	3	=	5.9	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
617	63.8	6.8	2700	2	
621	63.0	6.7	2700	4	
625	63.4	6.7	2800	6	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: 6			
Sampling Time: 630	Sampling Date: 9/12			
Sample I.D.: MW-1	Laboratory: Sequoia GTEL			
Analyzed for: TPH-G BTEX MTBE TPH-D Other:				
D.O.: (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>960912-31</u>	Station #: <u>9-2582</u>
Sampler: <u>MS</u>	Date: <u>9/12/90</u>
Well I.D.: <u>MW-2</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: <u>19.92</u>	Depth to Water: <u>8.81</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.57	6"	1.47
4"	0.65	Other	radius <sup>2</sup> * 0.163

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

<u>1.8</u>	x	<u>3</u>	=	<u>5.3</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
<u>603</u>	<u>64.2</u>	<u>6.6</u>	<u>2800</u>	<u>2</u>	
<u>607</u>	<u>63.4</u>	<u>6.7</u>	<u>2900</u>	<u>4</u>	
<u>610</u>	<u>63.2</u>	<u>6.7</u>	<u>3000</u>	<u>5.5</u>	

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Gallons actually evacuated: <u>5.5</u>
Sampling Time: <u>615</u>	Sampling Date: <u>9/12</u>
Sample I.D.: <u>MW-2</u>	Laboratory: <u>Sequoia</u> GTEL
Analyzed for: <u>TPH-G BTEX MTBE</u> TPH-D Other:	
D.O.: (if req'd):	Pre-purge: _____ mg/L      Post-purge: _____ mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV      Post-purge: _____ mV

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>960912-J1</u>	Station #: <u>9-2582</u>
Sampler: <u>MS</u>	Date: <u>9/12/96</u>
Well I.D.: <u>MW-3</u>	Well Diameter: <u>3</u> 3 4 6 8 <u>    </u>
Total Well Depth: <u>25.44</u>	Depth to Water: <u>12.26</u>
Depth to Free Product: <u>    </u>	Thickness of Free Product (feet): <u>    </u>
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: Bailer                      Sampling Method: Bailer  
                   ~~Disposable Bailer~~                      ~~Disposable Bailer~~  
                   Middleburg                                      Extraction Port  
                   Electric Submersible                      Other:       
                   Extraction Pump  
 Other:     

<u>2.1</u>	x	<u>3</u>	=	<u>6.3</u> Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
<u>637</u>	<u>66.0</u>	<u>6.7</u>	<u>2300</u>	<u>2.5</u>	<u>O2α</u>
<u>642</u>	<u>65.2</u>	<u>6.7</u>	<u>2400</u>	<u>4.5</u>	
<u>646</u>	<u>64.6</u>	<u>6.7</u>	<u>2400</u>	<u>6.5</u>	

Did well dewater?    Yes    No    Gallons actually evacuated: 6.5

Sampling Time: 650                      Sampling Date: 9/12

Sample I.D.: MW-3                      Laboratory: Sequoia GTEL

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

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



## CHEVRON WELL MONITORING DATA SHEET

Project #: 960912-J1	Station #: 9-2582
Sampler: MS	Date: 9/12/96
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8
Total Well Depth: 19.74	Depth to Water: 11.67
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	Sampling Method: Bailer
Disposable Bailer <input checked="" type="checkbox"/>	Disposable Bailer <input checked="" type="checkbox"/>
Middleburg	Extraction Port
Electric Submersible	Other: _____
Extraction Pump	
Other: _____	

1.3	x	3	=	3.9	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
748	68.2	6.7	3000	1.5	
752	66.8	6.5	3000	3	
754	66.6	6.6	3000	4	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: 4
Sampling Time: 800	Sampling Date: 9/12
Sample I.D.: MW-4	Laboratory: Sequoia GTEL N. Creek Assoc. Labs
Analyzed for: TPH-G BTEX MTBE TPH-D Other:	
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D Other:
D.O. (if req'd):	Pre-purge: mg/L Post-purge: mg/L
O.R.P. (if req'd):	Pre-purge: mV Post-purge: mV

# CHEVRON WELL MONITORING DATA SHEET

Project #: 960912-51	Station #: 9-2582
Sampler: MS	Date: 9/12/10
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8
Total Well Depth: 20.71	Depth to Water: 10.85
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~~ Extraction Pump Other: \_\_\_\_\_

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

1.6	x	3	=	4.7	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
729	64.6	7.1	1300	2	
732	63.8	6.9	1400	3.5	
735	63.6	6.9	1400	5	

Did well dewater? Yes  No  Gallons actually evacuated: 5

Sampling Time: 740 Sampling Date: 9/12

Sample I.D.: MW-5 Laboratory: (Sequoia) GTEL N. Creek Assoc. Labs

Analyzed for: (TPH-G BTEX MTBE) TPH-D Other:

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

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