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

February 6, 1995

Ms. Jennifer Eberle  
Alameda County Health Care Services  
Department of Environmental Health  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**Site Assessment & Remediation Group**  
Phone (510) 842-9500

**Re: Former Chevron Service Station #9-4816**  
**301 14th Street, Oakland, CA**

Dear Ms. Eberle:

Enclosed is the Fourth Quarter 1994 Groundwater Monitoring report dated January 2, 1994, 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. The levels of dissolved hydrocarbon constituents in the ground water samples analyzed were consistent with previous observations at the site.

Separate-phase hydrocarbons were detected in monitor wells C-3 and CR-1 at measured thicknesses of 0.94 and 0.08 feet, respectively. Weiss Associates is currently removing separate phase hydrocarbons from C-3 and CR-1 on a weekly basis. I have enclosed a copy of their table documenting the results of the bailing program. Depth to ground water was measured at approximately 19.8 to 24.9 feet below grade and the direction of flow is locally influenced by the remediation system towards the dewatering wells.

Modifications to the remediation system were completed and the system began operations during the first week of August, 1994. Influent hydrocarbon concentrations were higher than initially anticipated, therefore the activated vapor carbon was spent by the end of the first week of operation.

As we discussed, Chevron has recently bid out the remediation work at this site to several qualified consulting firms. Our intent is to establish a clear plan to determine when active remediation can be completed, when a Non Attainment Area can be established for ground water beneath the site, and ultimately when monitoring activities will be complete. We believe this approach will significantly reduce the previous estimates of time required for remediation.

During this process, the dewatering system will continue to operate to assist in containing dissolved hydrocarbons in ground water. If you have any questions or comments, please do not hesitate to contact me at (510) 842-8134.

Sincerely,  
CHEVRON U.S.A. PRODUCTS COMPANY

Mark A. Miller  
Site Assessment and Remediation Engineer

Page 2  
February 6, 1995  
Former SS#9-4816

Enclosures

cc: Mr. Mike Cooke, Weiss Associates  
Mr. J.N. Robbins, CHVPK/V1156  
Ms. B.C. Owen

Ms. Beth D. Castleberry  
Gray, Cary, Ware & Freidenrich  
400 Hamilton Avenue  
Palo Alto, CA 94301-1825

File: 9-4816 QM4

January 2, 1995

Mark Miller  
Chevron U.S.A. Products Company  
2410 Camino Ramon  
San Ramon, CA 94583-0804

## 4th Quarter 1994 Monitoring at 9-4816

Fourth Quarter 1994 Groundwater Monitoring at  
Chevron Service Station Number 9-4816  
301 14th Street  
Oakland, CA

Monitoring Performed on November 29, 1994

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### Groundwater Sampling Report 941129-M-1

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

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

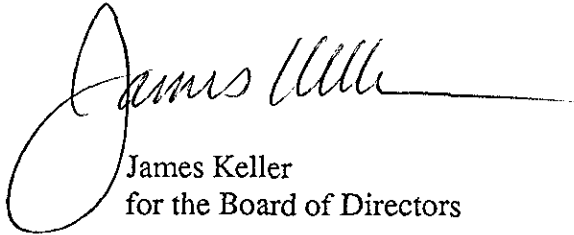
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**. The table also contains new groundwater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

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

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

Please call if you have any questions.

Yours truly,

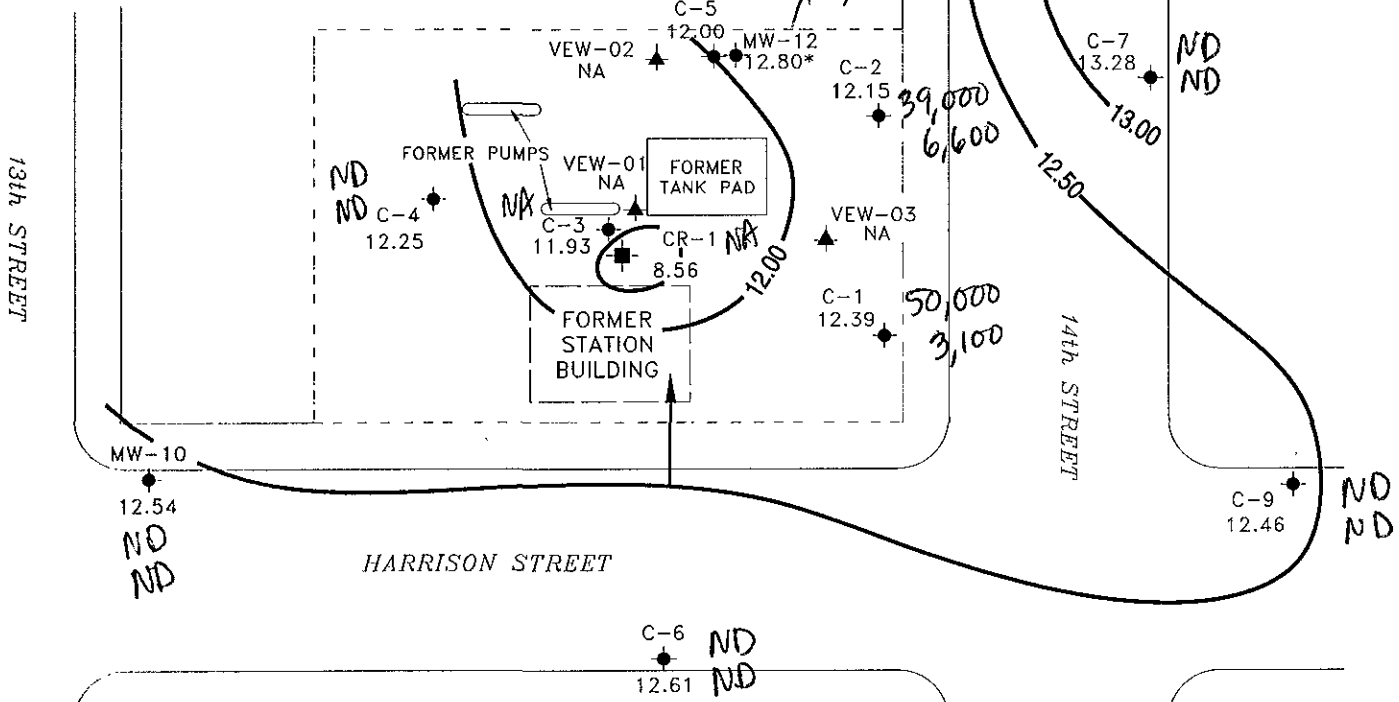
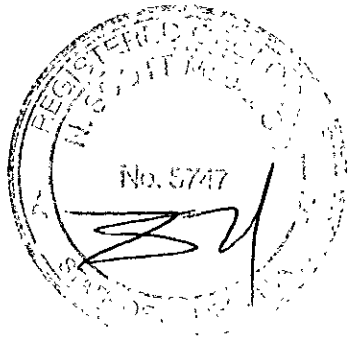
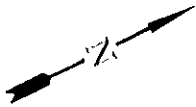


James Keller  
for the Board of Directors

JPK/dk

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

# **Professional Engineering Appendix**



**LEGEND**

- PROPERTY LINE
- ◆ MONITORING WELL
- RECOVERY WELL
- ▲ VAPOR EXTRACTION WELL
- X.XX POTENTIOMETRIC SURFACE ELEVATION (FT)
- \* NOT USED FOR CONTOURING
- NA NOT AVAILABLE
- ( ) POTENTIOMETRIC SURFACE CONTOUR
- ← GROUNDWATER FLOW DIRECTION

NOTE:  
 1. CONTOURS REPRESENT APPROXIMATE ELEVATIONS RELATIVE TO MEAN SEA LEVEL.

Base map from Groundwater Technology, Inc.



**CHEVRON**  
 Environmental Technology, Inc.  
 Chevron Station 9-4816  
 301 14th Street  
 Oakland, California  
 I(CHEVRON)9-4816(4816-QM(4Q94).DWG

Ground Water Elevation  
 November 29, 1994

FIGURE  
**1**

# **Table of Well Data and Analytical Results**

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.				Volumetric Measurements are in gallons.			Analytical results are in parts per billion (ppb)					
DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>C-1</b>												
06/13/90	30.82	8.85	21.97	--	--	--	--	26,000	2800	5100	400	2600
10/30/90	30.82	9.10	21.72	--	--	--	--	67,000	6700	8700	900	5000
01/04/91	30.82	8.98	21.84	--	--	--	--	--	--	--	--	--
01/07/91	30.82	8.87	21.95	--	--	--	--	100,000	12,000	20,000	1600	11,000
01/11/91	30.82	8.83	21.99	--	--	--	--	--	--	--	--	--
02/15/91	30.82	8.70	22.12	--	--	--	--	--	--	--	--	--
05/02/91	30.82	8.76	22.06	--	--	--	--	59,000	5600	7700	700	5200
05/30/91	30.82	8.78	22.04	--	--	--	--	--	--	--	--	--
06/13/91	30.82	9.02	21.80	--	--	--	--	--	--	--	--	--
07/12/91	30.82	8.81	22.01	--	--	--	--	--	--	--	--	--
08/07/91	30.82	--	--	--	--	--	--	7900	2000	150	240	330
09/24/91	30.82	--	--	--	--	--	--	--	--	--	--	--
10/18/91	30.87	8.45	22.42	--	--	--	--	--	--	--	--	--
11/05/91	30.87	8.51	22.36	--	--	--	--	8700	1500	1200	150	580
01/06/92	30.87	8.53	22.34	--	--	--	--	--	--	--	--	--
01/16/92	30.87	8.61	22.28	0.03	--	--	--	--	--	--	--	--
01/22/92	30.87	8.51	22.43	0.09	--	--	--	--	--	--	--	--
01/28/92	30.87	8.61	22.28	0.02	--	--	--	--	--	--	--	--
02/04/92	30.87	8.64	22.24	0.01	--	--	--	--	--	--	--	--
02/14/92	30.87	8.71	22.16	--	--	--	Sheen	--	--	--	--	--
02/21/92	30.87	8.80	22.07	--	--	--	Sheen	--	--	--	--	--
02/25/92	30.87	8.92	21.95	--	--	--	Sheen	--	--	--	--	--
03/06/92	30.87	9.02	21.85	--	--	--	--	--	--	--	--	--
03/19/92	30.87	10.33	20.54	--	--	--	--	--	--	--	--	--
05/06/92	30.87	9.48	21.39	--	--	--	Sheen	--	--	--	--	--
08/31/92	30.87	9.36	21.51	--	--	--	Sheen	--	--	--	--	--
12/01/92	30.87	8.99	21.88	--	--	--	Sheen	--	--	--	--	--
03/15/93	32.81	11.91	20.90	--	--	--	--	130,000	8900	13,000	1800	11,000
06/08/93	32.81	13.35	19.46	--	--	--	--	23,000	2300	2900	540	3300
09/07/93	32.81	12.98	19.83	--	--	--	--	14,000	1300	2100	340	2800
03/09/94	32.81	12.71	20.10	--	--	--	--	37,000	2700	3400	930	5900
06/17/94	32.81	12.79	20.02	--	--	--	--	24,000	2200	2300	520	3800
09/13/94	32.81	11.78	21.03	--	--	--	--	15,000	710	550	330	2000
09/26/94	32.81	11.84	20.97	--	--	--	--	--	--	--	--	--
11/29/94	32.81	12.39	20.42	--	--	--	--	50,000	3100	5400	1300	7000



## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.				Volumetric Measurements are in gallons.			Analytical results are in parts per billion (ppb)					
DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>C-2</b>												
06/13/90	30.91	8.83	22.08	--	--	--	--	15,000	1100	1900	260	1700
10/30/90	30.91	9.10	21.81	--	--	--	--	13,000	2800	1900	240	1000
01/04/91	30.91	9.01	21.90	--	--	--	--	--	--	--	--	--
01/07/91	30.91	8.88	22.03	--	--	--	--	15,000	3400	2500	340	1400
01/11/91	30.91	8.78	22.13	--	--	--	--	--	--	--	--	--
02/15/91	30.91	8.55	22.36	--	--	--	--	--	--	--	--	--
05/02/91	30.91	8.47	22.44	--	--	--	--	19,000	4500	3200	660	2900
05/02/91	30.91	8.47	22.44	--	--	--	--	21,000	3200	2200	410	2000
05/30/91	30.91	8.47	22.44	--	--	--	--	--	--	--	--	--
06/13/91	30.91	--	--	--	--	--	--	--	--	--	--	--
07/12/91	30.91	8.35	22.57	0.01	--	--	--	--	--	--	--	--
08/07/91	30.91	--	--	0.11	--	--	--	--	--	--	--	--
09/24/91	30.91	--	--	--	--	--	--	--	--	--	--	--
10/18/91	30.72	8.44	22.34	0.07	--	--	--	--	--	--	--	--
11/05/91	30.72	8.49	22.26	0.04	--	--	--	--	--	--	--	--
01/06/92	30.72	8.47	22.25	--	--	--	--	--	--	--	--	--
01/16/92	30.72	8.57	22.16	0.01	--	--	--	--	--	--	--	--
01/22/92	30.72	8.49	22.25	0.02	--	--	--	--	--	--	--	--
01/28/92	30.72	8.55	22.18	0.01	--	--	--	--	--	--	--	--
02/04/92	30.72	8.58	22.15	0.01	--	--	--	--	--	--	--	--
02/14/92	30.72	8.63	22.09	--	--	--	--	--	--	--	--	--
02/21/92	30.72	8.66	22.06	--	--	--	Sheen	--	--	--	--	--
02/25/92	30.72	8.76	21.96	--	--	--	--	--	--	--	--	--
03/06/92	30.72	8.92	21.80	--	--	--	--	--	--	--	--	--
03/19/92	30.72	9.60	21.12	--	--	--	--	--	--	--	--	--
05/06/92	30.72	9.42	21.30	--	--	--	Sheen	--	--	--	--	--
08/31/92	30.72	9.29	21.43	--	--	--	Sheen	--	--	--	--	--
12/01/92	30.72	8.98	21.74	--	--	--	Sheen	--	--	--	--	--
03/15/93	33.27	12.35	20.92	--	--	--	--	66,000	2200	3900	1300	7300
06/08/93	33.27	13.22	20.05	--	--	--	--	23,000	1400	2300	680	4000
09/07/93	33.27	12.90	20.37	--	--	--	--	22,000	1900	2000	620	4000
03/09/94	33.27	12.55	20.72	--	--	--	--	25,000	4100	1100	670	3100
06/17/94	33.27	12.66	20.61	--	--	--	--	43,000	13,000	2600	1300	5200
09/13/94	33.27	11.58	21.69	--	--	--	--	36,000	7700	2500	1100	4800
09/26/94	33.27	11.65	21.62	--	--	--	--	--	--	--	--	--
11/29/94	33.27	12.15	21.12	--	--	--	--	39,000	6600	3400	880	5000

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.			Volumetric Measurements are in gallons.				Analytical results are in parts per billion (ppb)					
DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>C-3</b>												
06/13/90	--	--	24.75	3.00	--	--	--	--	--	--	--	--
10/30/90	--	--	23.81	2.50	--	--	--	--	--	--	--	--
01/04/91	--	--	24.15	2.70	--	--	--	--	--	--	--	--
01/07/91	--	--	24.13	2.50	--	--	--	--	--	--	--	--
01/11/91	--	--	24.35	2.66	--	--	--	--	--	--	--	--
02/15/91	--	--	24.70	2.93	--	--	--	--	--	--	--	--
05/02/91	--	--	--	--	--	--	--	--	--	--	--	--
05/30/91	--	--	24.08	2.49	--	--	--	--	--	--	--	--
06/13/91	--	--	--	--	--	--	--	--	--	--	--	--
07/12/91	--	--	--	--	--	--	--	--	--	--	--	--
08/07/91	--	--	--	2.64	--	--	--	--	--	--	--	--
09/24/91	--	--	--	--	--	--	--	--	--	--	--	--
10/18/91	30.79	--	24.44	2.50	--	--	--	--	--	--	--	--
11/05/91	30.79	--	24.31	2.46	--	--	--	--	--	--	--	--
01/06/92	30.79	--	24.25	2.39	--	--	--	--	--	--	--	--
01/16/92	30.79	--	24.02	2.39	--	--	--	--	--	--	--	--
01/22/92	30.79	--	24.10	2.28	--	--	--	--	--	--	--	--
01/28/92	30.79	--	24.06	2.29	--	--	--	--	--	--	--	--
02/04/92	30.79	--	24.04	2.31	--	--	--	--	--	--	--	--
02/14/92	30.79	--	23.93	2.31	--	--	--	--	--	--	--	--
02/21/92	30.79	--	24.61	3.05	--	--	--	--	--	--	--	--
02/25/92	30.79	--	23.69	2.23	--	--	--	--	--	--	--	--
03/06/92	30.79	--	23.69	2.23	--	--	--	--	--	--	--	--
03/19/92	30.79	--	22.98	2.26	--	--	--	--	--	--	--	--
05/06/92	30.79	--	22.74	1.93	--	--	--	--	--	--	--	--
08/31/92	30.79	--	21.77	1.93	--	--	--	--	--	--	--	--
12/01/92	30.79	--	22.63	1.32	--	--	--	--	--	--	--	--
03/15/93	33.28	12.52	20.76	--	--	--	--	530,000	69,000	58,000	6000	32,000
06/08/93	33.28	13.31	19.97	--	--	--	--	310,000	56,000	58,000	7000	41,000
09/07/93	33.28	13.00	20.28	--	--	--	--	160,000	48,000	43,000	3300	24,000
03/09/94	33.28	12.72	20.56	--	--	--	--	260,000	56,000	44,000	5000	30,000
06/17/94	33.28	12.98	20.30	--	--	--	--	150,000	50,000	36,000	2900	23,000
09/13/94	33.28	--	--	--	--	--	Inaccessible	--	--	--	--	--
09/26/94	33.28	11.66	22.25	0.79	--	--	--	--	--	--	--	--
11/29/94	33.28	11.93	22.10	0.94	0.33	0.33	--	--	--	--	--	--

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.			Volumetric Measurements are in gallons.				Analytical results are in parts per billion (ppb)					
DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>C-4</b>												
06/13/90	31.42	8.69	22.73	--	--	--	--	440	47	47	3.0	61
10/30/90	31.42	8.94	22.48	--	--	--	--	210	72	13	1.0	11
01/04/91	31.42	8.78	22.64	--	--	--	--	--	--	--	--	--
01/07/91	31.42	8.68	22.74	--	--	--	--	890	100	130	15	88
01/11/91	31.42	8.61	22.81	--	--	--	--	--	--	--	--	--
02/15/91	31.42	8.87	22.55	--	--	--	--	--	--	--	--	--
05/02/91	31.42	8.88	22.54	--	--	--	--	330	140	11	2.0	9.0
05/30/91	31.42	8.87	22.55	--	--	--	--	--	--	--	--	--
06/13/91	31.42	--	--	--	--	--	--	--	--	--	--	--
07/12/91	31.42	--	--	--	--	--	--	--	--	--	--	--
08/07/91	31.42	--	--	--	--	--	--	1500	400	79	13	61
09/24/91	31.42	--	--	--	--	--	--	--	--	--	--	--
10/18/91	31.20	8.23	22.97	--	--	--	--	--	--	--	--	--
11/05/91	31.20	8.30	22.90	--	--	--	--	310	130	11	2.6	6.8
01/06/92	31.20	8.36	22.84	--	--	--	--	--	--	--	--	--
01/16/92	31.20	8.45	22.75	--	--	--	--	--	--	--	--	--
01/22/92	31.20	8.39	22.81	--	--	--	--	--	--	--	--	--
01/28/92	31.20	8.43	22.77	--	--	--	--	--	--	--	--	--
02/04/92	31.20	8.48	22.72	--	--	--	--	300	100	26	2.4	14
02/14/92	31.20	8.62	22.58	--	--	--	--	--	--	--	--	--
02/21/92	31.20	8.60	22.60	--	--	--	--	--	--	--	--	--
02/25/92	31.20	8.70	22.50	--	--	--	--	--	--	--	--	--
03/06/92	31.20	--	--	--	--	--	--	--	--	--	--	--
03/19/92	31.20	9.45	21.75	--	--	--	--	--	--	--	--	--
05/06/92	31.20	9.38	21.82	--	--	--	--	200	26	<0.5	1.2	1.4
08/31/92	31.20	9.32	21.88	--	--	--	--	190	20	1.2	1.7	1.7
12/01/92	31.20	8.97	22.23	--	--	--	--	72	5.0	0.5	<0.5	1.3
03/15/93	33.85	12.47	33.85	--	--	--	--	84	2.1	0.9	<0.5	<1.5
06/08/93	33.85	13.30	20.55	--	--	--	--	74	1.0	<0.5	<0.5	0.5
09/07/93	33.85	13.00	20.85	--	--	--	--	<50	1.0	<0.5	<0.5	<0.5
03/09/94	33.85	12.69	21.16	--	--	--	--	<50	5.0	4.0	<0.5	4.0
06/17/94	33.85	12.77	21.08	--	--	--	--	120	4.3	18	2.8	43
09/13/94	33.85	11.95	21.90	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
09/26/94	33.85	11.94	21.91	--	--	--	--	--	--	--	--	--
11/29/94	33.85	12.25	21.60	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.			Volumetric Measurements are in gallons.				Analytical results are in parts per billion (ppb)					
DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>C-5</b>												
10/30/90	31.25	9.14	22.11	--	--	--	--	20,000	2500	3300	320	2200
01/04/91	31.25	--	22.55	0.31	--	--	--	--	--	--	--	--
01/07/91	31.25	9.26	22.36	0.04	--	--	--	--	--	--	--	--
01/11/91	31.25	--	23.08	0.73	--	--	--	--	--	--	--	--
02/15/91	31.25	--	24.70	2.74	--	--	--	--	--	--	--	--
05/02/91	31.25	--	22.02	2.00	--	--	--	--	--	--	--	--
05/30/91	31.25	--	24.78	2.70	--	--	--	--	--	--	--	--
06/13/91	31.25	--	24.70	2.77	--	--	--	--	--	--	--	--
07/12/91	31.25	--	25.10	2.72	--	--	--	--	--	--	--	--
08/07/91	31.25	--	--	2.69	--	--	--	--	--	--	--	--
09/24/91	31.25	--	--	--	--	--	--	--	--	--	--	--
10/18/91	30.16	--	24.71	2.51	--	--	--	--	--	--	--	--
11/05/91	30.16	--	24.47	2.29	--	--	--	--	--	--	--	--
01/06/92	30.16	--	24.68	--	--	--	--	--	--	--	--	--
01/16/92	30.16	--	24.03	1.82	--	--	--	--	--	--	--	--
01/22/92	30.16	--	24.01	1.67	--	--	--	--	--	--	--	--
01/28/92	30.16	--	23.79	1.46	--	--	--	--	--	--	--	--
02/04/92	30.16	--	23.81	1.54	--	--	--	--	--	--	--	--
02/14/92	30.16	--	22.79	1.59	--	--	--	--	--	--	--	--
02/21/92	30.16	--	24.40	2.22	--	--	--	--	--	--	--	--
02/25/92	30.16	--	23.25	1.03	--	--	--	--	--	--	--	--
03/06/92	30.16	--	23.20	1.19	--	--	--	--	--	--	--	--
03/19/92	30.16	--	--	--	--	--	--	--	--	--	--	--
05/06/92	30.16	--	--	--	--	--	--	--	--	--	--	--
08/31/92	30.16	--	21.86	--	--	--	Sheen	--	--	--	--	--
12/01/92	30.16	--	22.24	--	--	--	Sheen	--	--	--	--	--
03/15/93	33.85	20.96	20.96	--	--	--	--	--	--	--	--	--
06/08/93	33.85	13.20	20.65	--	--	--	--	90,000	26,000	11,000	2000	16,000
09/07/93	33.85	--	--	--	--	--	--	--	--	--	--	--
03/09/94	33.85	12.53	21.32	--	--	--	--	170,000	35,000	11,000	2400	13,000
06/17/94	33.85	12.74	21.11	--	--	--	--	100,000	57,000	13,000	1800	5,100
09/13/94	33.85	11.37	22.48	--	--	--	--	120,000	1500	5400	1700	19,000
09/26/94	33.85	11.41	22.44	--	--	--	--	--	--	--	--	--
11/29/94	33.85	12.00	21.85	--	--	--	--	31,000	29	220	290	3600

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.				Volumetric Measurements are in gallons.			Analytical results are in parts per billion (ppb)					
DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>C-6</b>												
05/02/91	30.41	8.57	21.84	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
05/30/91	30.41	--	--	--	--	--	--	--	--	--	--	--
07/12/91	30.41	7.55	22.86	--	--	--	--	--	--	--	--	--
08/07/91	30.41	--	--	--	--	--	--	--	--	--	--	--
09/24/91	30.41	8.53	21.88	--	--	--	--	--	--	--	--	--
10/18/91	30.41	8.23	22.18	--	--	--	--	--	--	--	--	--
11/05/91	30.41	8.27	22.14	--	--	--	--	--	--	--	--	--
01/06/92	30.41	8.32	22.09	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
01/16/92	30.41	8.37	22.04	--	--	--	--	--	--	--	--	--
01/22/92	30.41	8.37	22.04	--	--	--	--	--	--	--	--	--
01/28/92	30.41	8.42	21.99	--	--	--	--	--	--	--	--	--
02/04/92	30.41	8.47	21.94	--	--	--	--	<50	<0.5	<0.5	<0.5	0.6
02/14/92	30.41	8.54	21.87	--	--	--	--	--	--	--	--	--
02/21/92	30.41	8.58	21.83	--	--	--	--	--	--	--	--	--
02/25/92	30.41	8.70	21.71	--	--	--	--	--	--	--	--	--
03/06/92	30.41	8.88	21.53	--	--	--	--	--	--	--	--	--
03/19/92	30.41	9.49	20.92	--	--	--	--	--	--	--	--	--
05/06/92	30.41	9.39	21.02	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
08/31/92	30.41	9.27	21.14	--	--	--	--	80	<0.5	<0.5	<0.5	2.4
01/21/93	30.41	9.50	20.91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
03/15/93	33.09	13.09	20.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5
06/08/93	33.09	13.37	19.72	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
09/07/93	33.09	13.34	19.75	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
03/09/94	33.09	12.79	20.30	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
06/17/94	33.09	12.88	20.21	--	--	--	--	<50	1.1	<0.5	<0.5	0.6
09/13/94	33.09	12.20	20.89	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
09/26/94	33.09	12.15	20.94	--	--	--	--	--	--	--	--	--
11/29/94	33.09	12.61	20.48	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.				Volumetric Measurements are in gallons.			Analytical results are in parts per billion (ppb)					
DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>C-7</b>												
05/02/91	30.56	8.75	21.81	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
05/30/91	30.56	--	--	--	--	--	--	--	--	--	--	--
07/12/91	30.56	8.41	22.15	--	--	--	--	--	--	--	--	--
08/07/91	30.56	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
09/24/91	30.56	9.03	21.53	--	--	--	--	--	--	--	--	--
10/18/91	30.56	8.49	22.07	--	--	--	--	--	--	--	--	--
11/05/91	30.56	8.55	22.01	--	--	--	--	--	--	--	--	--
01/06/92	30.56	8.53	22.03	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
01/16/92	30.56	8.58	21.98	--	--	--	--	--	--	--	--	--
01/22/92	30.56	8.51	22.05	--	--	--	--	--	--	--	--	--
01/28/92	30.56	8.55	22.01	--	--	--	--	--	--	--	--	--
02/14/92	30.56	8.62	21.94	--	--	--	--	--	--	--	--	--
02/21/92	30.56	8.62	21.94	--	--	--	--	--	--	--	--	--
02/25/92	30.56	8.74	21.82	--	--	--	--	--	--	--	--	--
03/06/92	30.56	8.91	21.65	--	--	--	--	--	--	--	--	--
03/19/92	30.56	9.64	20.92	--	--	--	--	--	--	--	--	--
05/06/92	30.56	9.35	21.21	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
08/31/92	30.56	9.17	21.39	--	--	--	--	<50	<0.5	0.7	<0.5	0.9
12/01/92	30.56	8.77	21.79	--	--	--	--	<50	<0.5	<0.5	<0.5	0.9
03/15/93	33.06	12.12	20.94	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5
06/08/93	33.06	13.07	19.99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
09/07/93	33.06	13.06	20.00	--	--	--	--	2800	63	36	41	40
03/09/94	33.06	12.36	20.70	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
06/17/94	33.06	12.47	20.59	--	--	--	--	<50	<0.5	<0.5	<0.5	0.6
09/13/94	33.06	11.83	21.23	--	--	--	--	65	<0.5	<0.5	<0.5	<0.5
09/26/94	33.06	11.84	21.22	--	--	--	--	--	--	--	--	--
11/29/94	33.06	13.28	19.78	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.				Volumetric Measurements are in gallons.			Analytical results are in parts per billion (ppb)					
DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>C-8</b>												
05/02/91	30.12	8.88	21.24	--	--	--	--	5000	<0.5	17	140	470
05/30/91	30.12	--	--	--	--	--	--	--	--	--	--	--
07/12/91	30.12	--	--	--	--	--	--	--	--	--	--	--
08/07/91	30.12	--	--	--	--	--	--	6300	<0.5	28	100	120
09/24/91	30.12	8.79	21.33	--	--	--	--	--	--	--	--	--
10/18/91	30.12	8.36	21.76	--	--	--	--	--	--	--	--	--
11/05/91	30.12	8.42	21.70	--	--	--	--	5100	<0.5	20	92	74
01/06/92	30.12	8.39	21.73	--	--	--	--	--	--	--	--	--
01/16/92	30.12	8.49	21.63	--	--	--	--	--	--	--	--	--
01/22/92	30.12	8.42	21.70	--	--	--	--	--	--	--	--	--
01/28/92	30.12	8.47	21.65	--	--	--	--	--	--	--	--	--
02/04/92	30.12	8.50	21.62	--	--	--	--	5300	<2.5	2.5	97	61
02/14/92	30.12	8.59	21.53	--	--	--	--	--	--	--	--	--
02/21/92	30.12	8.61	21.51	--	--	--	--	--	--	--	--	--
02/25/92	30.12	8.73	21.39	--	--	--	--	--	--	--	--	--
03/06/92	30.12	8.91	21.21	--	--	--	--	--	--	--	--	--
03/19/92	30.12	9.55	20.57	--	--	--	--	--	--	--	--	--
05/06/92	30.12	9.35	20.77	--	--	--	--	3700	<0.5	29	110	130
08/31/92	30.12	9.21	20.91	--	--	--	--	1100	1.3	2.0	31	48
12/01/92	30.12	8.95	21.17	--	--	--	--	3400	<0.5	19	140	290
03/15/93	32.77	13.01	19.76	--	--	--	--	4200	<0.5	20	54	33
06/08/93	32.77	13.39	19.38	--	--	--	--	3700	53	6.0	74	120
09/07/93	32.77	13.39	19.38	--	--	--	--	2900	70	46	39	55
03/09/94	32.77	12.65	20.12	--	--	--	--	3400	<0.5	6.0	46	66
06/17/94	32.77	12.75	20.02	--	--	--	--	4200	1.0	39	75	86
09/13/94	32.77	12.18	20.59	--	--	--	--	3800	<0.5	10	63	79
09/26/94	32.77	12.17	20.60	--	--	--	--	--	--	--	--	--
11/29/94	32.77	12.61	20.16	--	--	--	--	5300	<10	40	37	39

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.				Volumetric Measurements are in gallons.			Analytical results are in parts per billion (ppb)					
DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>C-9</b>												
05/02/91	30.15	8.88	21.27	--	--	--	--	<50	<0.5	<0.5	<0.5	0.8
05/30/91	30.15	--	--	--	--	--	--	--	--	--	--	--
07/12/91	30.15	8.58	21.57	--	--	--	--	--	--	--	--	--
08/07/91	30.15	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
08/07/91	30.15	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
09/24/91	30.15	9.05	21.10	--	--	--	--	--	--	--	--	--
10/18/91	30.15	8.48	21.67	--	--	--	--	--	--	--	--	--
11/05/91	30.15	8.50	21.65	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
11/05/91	30.15	8.50	21.65	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
01/06/92	30.15	8.50	21.65	--	--	--	--	--	--	--	--	--
01/16/92	30.15	8.57	21.58	--	--	--	--	--	--	--	--	--
01/22/92	30.15	8.50	21.65	--	--	--	--	--	--	--	--	--
01/28/92	30.15	8.52	21.63	--	--	--	--	--	--	--	--	--
02/04/92	30.15	8.57	21.58	--	--	--	--	<50	<0.5	0.7	<0.5	0.7
02/04/92	30.15	8.57	21.58	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
02/14/92	30.15	8.61	21.54	--	--	--	--	--	--	--	--	--
02/21/92	30.15	8.63	21.52	--	--	--	--	--	--	--	--	--
02/25/92	30.15	8.76	21.39	--	--	--	--	--	--	--	--	--
03/06/92	30.15	8.94	21.21	--	--	--	--	--	--	--	--	--
03/19/92	30.15	9.68	20.47	--	--	--	--	--	--	--	--	<0.5
05/06/92	30.15	9.34	20.81	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
08/31/92	30.15	9.18	20.97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
12/01/92	30.15	8.88	21.27	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5
03/15/93	32.70	12.28	20.42	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
06/08/93	32.70	13.27	19.43	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
09/07/93	32.70	13.30	19.40	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
03/09/94	32.70	12.46	20.24	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
06/17/94	32.70	12.57	20.13	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
09/13/94	32.70	12.02	20.68	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
09/26/94	32.70	12.03	20.67	--	--	--	--	--	--	--	--	--
11/29/94	32.70	12.46	20.24	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5



## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.			Volumetric Measurements are in gallons.				Analytical results are in parts per billion (ppb)					
DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>CR-1</b>												
10/30/90	30.17	--	23.81	2.50	--	--	--	--	--	--	--	--
01/04/91	30.17	--	24.08	2.70	--	--	--	--	--	--	--	--
01/07/91	30.17	--	23.30	3.00	--	--	--	--	--	--	--	--
01/11/91	30.17	--	24.24	2.64	--	--	--	--	--	--	--	--
02/15/91	30.17	--	24.72	2.92	--	--	--	--	--	--	--	--
05/02/91	30.17	--	--	--	--	--	--	--	--	--	--	--
05/30/91	30.17	--	23.07	2.42	--	--	--	--	--	--	--	--
06/13/91	30.17	--	--	--	--	--	--	--	--	--	--	--
07/12/91	30.17	--	--	--	--	--	--	--	--	--	--	--
08/07/91	30.17	--	--	2.69	--	--	--	--	--	--	--	--
09/24/91	30.17	--	--	--	--	--	--	--	--	--	--	--
10/18/91	30.17	--	23.75	2.50	--	--	--	--	--	--	--	--
11/05/91	30.17	--	23.64	2.43	--	--	--	--	--	--	--	--
01/06/92	30.17	--	23.57	--	--	--	--	--	--	--	--	--
01/16/92	30.17	--	23.41	2.30	--	--	--	--	--	--	--	--
01/22/92	30.17	--	23.44	2.24	--	--	--	--	--	--	--	--
01/28/92	30.17	--	23.40	2.29	--	--	--	--	--	--	--	--
02/14/92	30.17	--	23.31	2.34	--	--	--	--	--	--	--	--
02/21/92	30.17	--	24.10	3.19	--	--	--	--	--	--	--	--
02/25/92	30.17	--	23.15	1.03	--	--	--	--	--	--	--	--
03/06/92	30.17	--	--	--	--	--	--	--	--	--	--	--
03/19/92	30.17	--	--	--	--	--	--	--	--	--	--	--
05/06/92	30.17	--	--	--	--	--	--	--	--	--	--	--
08/31/92	30.17	--	21.84	0.41	--	--	--	--	--	--	--	--
12/01/92	30.17	--	22.06	0.21	--	--	--	--	--	--	--	--
03/15/93	33.40	--	20.34	--	--	--	--	410,000	28,000	42,000	5200	37,000
06/08/93	33.40	13.33	20.07	--	--	--	--	85,000	10,000	21,000	3200	20,000
09/07/93	33.40	13.33	20.07	--	--	--	--	180,000	50,000	48,000	5100	33,000
03/09/94	33.40	12.73	20.67	--	--	--	--	94,000	18,000	20,000	2500	19,000
06/17/94	33.40	13.75	19.65	--	--	--	--	26,000	2400	3600	480	6100
09/13/94	33.40	--	--	--	--	--	Inaccessible	--	--	--	--	--
09/26/94	33.40	--	--	--	--	--	--	--	--	--	--	--
11/29/94	33.40	8.56	24.90	0.08	0.33	0.33	--	--	--	--	--	--

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.				Volumetric Measurements are in gallons.			Analytical results are in parts per billion (ppb)					
DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>MW-10</b>												
01/21/93	31.59	10.32	21.27	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
03/15/93	31.59	12.18	21.10	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5
06/08/93	33.28	13.33	19.95	--	--	--	--	<50	<0.5	<0.5	<0.5	1.0
09/07/93	33.28	13.35	19.93	--	--	--	--	<250	<2.5	<2.5	<2.5	<2.5
03/09/94	33.28	12.77	20.51	--	--	--	--	<50	1.0	0.5	<0.5	0.9
06/17/94	33.28	12.86	20.42	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
09/13/94	33.28	12.19	21.09	--	--	--	--	<50	2.1	0.7	<0.5	1.1
09/26/94	33.28	12.18	21.10	--	--	--	--	--	--	--	--	--
11/29/94	33.28	12.54	20.74	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
<b>MW-11</b>												
05/06/94	33.02	--	--	--	--	--	--	<50	1.4	<0.5	<0.5	0.6
05/16/94	33.02	12.44	20.58	--	--	--	--	--	--	--	--	--
09/13/94	33.02	--	--	--	--	--	--	--	--	--	--	--
09/26/94	33.02	11.93	21.09	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
11/29/94	33.02	12.20	20.82	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
<b>MW-12</b>												
05/06/94	33.90	--	--	--	--	--	--	160,000	69,000	16,000	1900	7600
05/16/94	33.90	12.63	21.27	--	--	--	--	--	--	--	--	--
09/13/94	33.90	--	--	--	--	--	Inaccessible	--	--	--	--	--
09/26/94	33.90	--	--	--	--	--	--	--	--	--	--	--
11/29/94	33.90	12.80	21.10	--	--	--	--	41,000	9100	3500	520	1500

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.				Volumetric Measurements are in gallons.			Analytical results are in parts per billion (ppb)					
DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
<b>TRIP BLANK</b>												
05/02/91	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
08/07/91	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
11/05/91	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
02/04/92	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
05/06/92	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
08/31/92	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
12/01/92	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
03/15/93	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5
06/08/93	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
09/07/93	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
03/09/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
06/17/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
09/13/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
09/26/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
11/29/94	--	--	--	--	--	--	--	<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 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: 941129-M1, Chevron 9-4816 Sample Descript: C-1 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9411154-01	Sampled: 11/29/94 Received: 11/30/94 Analyzed: 12/07/94 Reported: 12/09/94
Attention: Jim Keller		

QC Batch Number: GC120794BTEX06A  
Instrument ID: GCHP06

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	10000	50000
Benzene	100	3100
Toluene	100	5400
Ethyl Benzene	100	1300
Xylenes (Total)	100	7000
Chromatogram Pattern:		Gas

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	101

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Suzanne Chin  
Project Manager





Blaine Technical Services	Client Proj. ID: 941129-M1, Chevron 9-4816	Sampled: 11/29/94
985 Timothy Drive	Sample Descript: C-2	Received: 11/30/94
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 12/07/94
Attention: Jim Keller	Lab Number: 9411154-02	Reported: 12/09/94

QC Batch Number: GC120794BTEX06A  
Instrument ID: GCHP06

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	5000	39000
Benzene	50	6600
Toluene	50	3400
Ethyl Benzene	50	880
Xylenes (Total)	50	5000
Chromatogram Pattern:		Gas

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	96

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

**SEQUOIA ANALYTICAL** - ELAP #1210

  
Suzanne Chin  
Project Manager





<b>Blaine Technical Services</b>	<b>Client Proj. ID: 941129-M1, Chevron 9-4816</b>	<b>Sampled: 11/29/94</b>
985 Timothy Drive	Sample Descript: C-4	Received: 11/30/94
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 12/06/94
Attention: Jim Keller	Lab Number: 9411154-03	Reported: 12/09/94

QC Batch Number: GC120694BTEX06A  
Instrument ID: GCHP06


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

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

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70                      130	105

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

**SEQUOIA ANALYTICAL - ELAP #1210**

  
\_\_\_\_\_  
Suzanne Chin  
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: 941129-M1, Chevron 9-4816 Sample Descript: C-5 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9411154-04	Sampled: 11/29/94 Received: 11/30/94 Analyzed: 12/06/94 Reported: 12/09/94
Attention: Jim Keller		

QC Batch Number: GC120694BTEX06A  
Instrument ID: GCHP06

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	2000	31000
Benzene	20	29
Toluene	20	220
Ethyl Benzene	20	290
Xylenes (Total)	20	3600
Chromatogram Pattern: Weathered Gas		C6-C12

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70	130
		109

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Suzanne Chin  
Project Manager







Blaine Technical Services	Client Proj. ID: 941129-M1, Chevron 9-4816	Sampled: 11/29/94
985 Timothy Drive	Sample Descript: C-6	Received: 11/30/94
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 12/06/94
Attention: Jim Keller	Lab Number: 9411154-05	Reported: 12/09/94

QC Batch Number: GC120694BTEX06A  
Instrument ID: GCHP06

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

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

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	103

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Suzanne Chin  
Project Manager





Blaine Technical Services	Client Proj. ID: 941129-M1, Chevron 9-4816	Sampled: 11/29/94
985 Timothy Drive	Sample Descript: C-7	Received: 11/30/94
San Jose, CA 95133	Matrix: LIQUID	
Attention: Jim Keller	Analysis Method: 8015Mod/8020	Analyzed: 12/06/94
	Lab Number: 9411154-06	Reported: 12/09/94

QC Batch Number: GC120694BTEX06A  
Instrument ID: GCHP06


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

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

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70                      130	101

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

**SEQUOIA ANALYTICAL** - ELAP #1210



\_\_\_\_\_  
Suzanne Chin  
Project Manager





Blaine Technical Services Client Proj. ID: 941129-M1, Chevron 9-4816 Sampled: 11/29/94
985 Timothy Drive Sample Descript: C-8 Received: 11/30/94
San Jose, CA 95133 Matrix: LIQUID
Attention: Jim Keller Analysis Method: 8015Mod/8020 Analyzed: 12/07/94
Lab Number: 9411154-07 Reported: 12/09/94

QC Batch Number: GC120794BTEX06A
Instrument ID: GCHP06

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Table with 3 columns: Analyte, Detection Limit ug/L, Sample Results ug/L. Rows include TPPH as Gas (5300), Benzene (N.D.), Toluene (40), Ethyl Benzene (37), Xylenes (Total) (39), and Gas & Non Gas Mix (< C8).

Table with 3 columns: Surrogates, Control Limits %, % Recovery. Row for Trifluorotoluene shows 70% control limit and 103% recovery.

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

SEQUOIA ANALYTICAL - ELAP #1210

Handwritten signature of Suzanne Chin.

Suzanne Chin
Project Manager





Blaine Technical Services	Client Proj. ID: 941129-M1, Chevron 9-4816	Sampled: 11/29/94
985 Timothy Drive	Sample Descript: C-9	Received: 11/30/94
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 12/06/94
Attention: Jim Keller	Lab Number: 9411154-08	Reported: 12/09/94

QC Batch Number: GC120694BTEX06A  
Instrument ID: GCHP06

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

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

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70                      130	104

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Suzanne Chin  
Project Manager





Blaine Technical Services	Client Proj. ID: 941129-M1, Chevron 9-4816	Sampled: 11/29/94
985 Timothy Drive	Sample Descript: MW-10	Received: 11/30/94
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 12/06/94
Attention: Jim Keller	Lab Number: 9411154-09	Reported: 12/09/94

QC Batch Number: GC120694BTEX06A  
Instrument ID: GCHP06

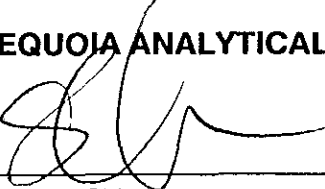
**Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX**

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

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70                      130	102

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

**SEQUOIA ANALYTICAL** - ELAP #1210




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Suzanne Chin  
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: 941129-M1, Chevron 9-4816 Sample Descript: MW-11 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9411154-10	Sampled: 11/29/94 Received: 11/30/94 Analyzed: 12/06/94 Reported: 12/09/94
Attention: Jim Keller		

QC Batch Number: GC120694BTEX06A  
Instrument ID: GCHP06

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

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

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70                      130	103

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

SEQUOIA ANALYTICAL - ELAP #1210

Suzanne Chin  
Project Manager





Blaine Technical Services	Client Proj. ID: 941129-M1, Chevron 9-4816	Sampled: 11/29/94
985 Timothy Drive	Sample Descript: MW-12	Received: 11/30/94
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 12/08/94
Attention: Jim Keller	Lab Number: 9411154-11	Reported: 12/09/94

QC Batch Number: GC120894BTEX20A  
Instrument ID: GCHP20

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

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	10000	41000
Benzene	100	9100
Toluene	100	3500
Ethyl Benzene	100	520
Xylenes (Total)	100	1500
Chromatogram Pattern:		Gas

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	92

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

**SEQUOIA ANALYTICAL** - ELAP #1210

Suzanne Chin  
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: 941129-M1, Chevron 9-4816 Sample Descript: TB Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9411154-12	Sampled: 11/29/94 Received: 11/30/94 Analyzed: 12/08/94 Reported: 12/09/94
--	--	---

QC Batch Number: GC120894BTEX20A  
Instrument ID: GCHP20

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

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

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70                      130	91

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

**SEQUOIA ANALYTICAL** - ELAP #1210



\_\_\_\_\_  
Suzanne Chin  
Project Manager







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

Client Project ID: 941129-M1, Chevron 9-4816  
Matrix: Liquid

Work Order #: 9411154 -01-10

Reported: Dec 12, 1994

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC120694BTEX06A	GC120694BTEX06A	GC120694BTEX06A	GC120694BTEX06A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	G. Garcia	G. Garcia	G. Garcia	G. Garcia
MS/MSD #:	9411F9702	9411F9702	9411F9702	9411F9702
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	N/A	N/A	N/A	N/A
Analyzed Date:	12/6/94	12/6/94	12/6/94	12/6/94
Instrument I.D.#:	GCHP6	GCHP6	GCHP6	GCHP6
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.1	9.2	9.4	27
MS % Recovery:	91	92	94	90
Dup. Result:	9.1	9.1	9.4	27
MSD % Recov.:	91	91	94	90
RPD:	0.0	1.1	0.0	0.0
RPD Limit:	0-50	0-50	0-50	0-50

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

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

**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**

*Suzanne Chin*  
Suzanne Chin  
Project Manager

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

9411154.BLA <1>





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

Client Project ID: 941129-M1, Chevron 9-4816  
 Matrix: Liquid

Work Order #: 9411154-11-12

Reported: Dec 12, 1994

**QUALITY CONTROL DATA REPORT**

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC120894BTEX20A	GC120894BTEX20A	GC120894BTEX20A	GC120894BTEX20A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	N/A	N/A	N/A	N/A

Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	941206204	941206204	941206204	941206204
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	N/A	N/A	N/A	N/A
Analyzed Date:	12/8/94	12/8/94	12/8/94	12/8/94
Instrument I.D.#:	GCHP20	GCHP20	GCHP20	GCHP20
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L

Result:	9.9	9.9	10	30
MS % Recovery:	99	99	100	100
Dup. Result:	10	10	10	30
MSD % Recov.:	100	100	100	100
RPD:	1.0	1.0	0.0	0.0
RPD Limit:	0-50	0-50	0-50	0-50

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

MS/MSD	71-133	72-128	72-130	71-120
LCS				
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**  
  
 Suzanne Chin  
 Project Manager



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

Chain-of-Custody-Record

Chevron U.S.A. Inc. P.O. BOX 5004 San Ramon, CA 94583 FAX (415)842-9591	Chevron Facility Number <u>9-4816</u>	Chevron Contact (Name) <u>Mark Miller</u>
	Facility Address <u>301 14th St., Oakland, CA</u>	(Phone) <u>(510) 842-8134</u>
	Consultant Project Number <u>941129-M1</u>	Laboratory Name <u>Sequoia</u>
	Consultant Name <u>Blaine Tech Services, Inc.</u>	Laboratory Release Number <u>2172360</u>
	Address <u>985 Timothy Dr., San Jose, CA 95133</u>	Sample Collected by (Name) <u>MIKE MYERS</u>
	Project Contact (Name) <u>Jim Keller</u>	Collection Date <u>11-29-94</u>
	(Phone) <u>08 995-5535</u> (Fax Number) <u>408 293-8773</u>	Signature <u>Mike Myers</u>

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analytes To Be Performed										DO NOT BILL FOR TB-LB	Remarks
								EDX + TPH G/S (6020 + 6015)	TPH Diesel (6015)	Oil and Grease (5520)	Purgeable Halocarbons (6010)	Purgeable Aromatics (6020)	Purgeable Organics (6240)	Extractable Organics (6270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)				
C-1		3	W		13:55			X											-01
C-2		3			14:25			X											-02
C-4		3			12:40			X											-03
C-5		3			15:45			X											-04
C-6		3			12:10			X											-05
C-7		3			13:00			X											-06
C-8		3			13:30			X											-07
C-9		3			11:10			X											-08
MW-10		3			11:35			X											-09
MW-11		3			10:45			X											-10
MW-12		3			16:05			X											-11
TB		2																	-12 12°C

Relinquished By (Signature) <u>Mike Myers</u>	Organization <u>BTS</u>	Date/Time <u>11/30 10:40</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>Sequoia</u>	Date/Time <u>11/30 10:40</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days As Contracted
Relinquished By (Signature) <u>[Signature]</u>	Organization	Date/Time <u>11/30 11:55</u>	Received By (Signature)	Organization	Date/Time	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) <u>[Signature]</u>	Organization	Date/Time <u>11-30 9M</u>	

COC-3.DWG/03 91/HCH

# **Field Data Sheets**



# CHEVRON WELL MONITORING DATA SHEET

Project #: 941179-M1	Station # 9-4816
Sampler: MA	Date Sampled: 11-29-94
Well I.D.: CR-1	Well Diameter: (circle one) 2 3 4 <b>6</b>
Total Well Depth: Before N/A PUMP IN WELL After	Depth to Water: Before 24.90 After —
Depth to Free Product: 24.82	Thickness of Free Product (feet): .08
Measurements referenced to: <b>PVC</b> Grade Other --	

PUMP IS OUT OF WELL NOW (WAS THAT WAY WHEN I ARRIVED)

_____	x	_____	=	_____
1 Case Volume		Specified Volumes		gallons

Purging: Bailer  
Middleburg  
Electric Submersible  
Suction Pump

Sampling: Bailer  
Middleburg  
Electric Submersible  
~~Suction Pump~~  
**Installed Pump**

Type of Installed Pump **ELECTRIC**

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
735						FP IN WELL

Did Well Dewater?      If yes, gals.      Gallons Actually Evacuated: 5

Sampling Time: 735

Sample I.D.: CR1      Laboratory: CHEVRON TERMINAL

Analyzed for: FP, MATERIAL ID

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

Analyzed for:

Shipping Notations:

Additional Notations:

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>941129-M1</u>	Station # <u>9-4816</u>
Sampler: <u>MM</u>	Date Sampled: <u>11-28</u>
Well I.D.: <u>C-1</u>	Well Diameter: (circle one) <u>2</u> 3 4 6
Total Well Depth: Before <u>31.26</u> After	Depth to Water: Before <u>20.42</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>PVC</u>	Grade      Other --

<u>1.8</u>	x	<u>3</u>	=	<u>5.4</u>
1 Case Volume		Specified Volumes		gallons

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

Sampling: ~~Bailer~~ DISP  
 Middleburg  
 Electric Submersible  
 Suction Pump  
 Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>13:45</u>	<u>59.8</u>	<u>7.0</u>	<u>600</u>	<u>—</u>	<u>2</u>	<u>ODOR/GREY</u>
<u>13:48</u>	<u>62.7</u>	<u>7.0</u>	<u>600</u>	<u>—</u>	<u>4</u>	
<u>13:51</u>	<u>62.5</u>	<u>7.0</u>	<u>600</u>	<u>—</u>	<u>6</u>	

Did Well Dewater? NO If yes, gals.

Gallons Actually Evacuated: 6

Sampling Time: 13:55

Sample I.D.: C-1

Laboratory: SEQ

Analyzed for: PHG, BTEX

Duplicate I.D.:

Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations:

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>941129-M1</u>	Station # <u>9-48/6</u>
Sampler: <u>MM</u>	Date Sampled: <u>11-29</u>
Well I.D.: <u>C-2</u>	Well Diameter: (circle one) <u>2</u> 3 4 6
Total Well Depth: Before <u>29.10</u> After	Depth to Water: Before <u>21.12</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>PVT</u> Grade Other --	

<u>1.4</u>	x	<u>7</u>	=	<u>4.2</u>
1 Case Volume		Specified Volumes		gallons

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

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

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>14:15</u>	<u>64.6</u>	<u>6.5</u>	<u>1000</u>	<u>—</u>	<u>1.5</u>	<u>ODOR / SWEN</u>
<u>14:18</u>	<u>62.8</u>	<u>6.6</u>	<u>1050</u>	<u>—</u>	<u>3.0</u>	
<u>14:21</u>	<u>62.6</u>	<u>6.6</u>	<u>1050</u>	<u>—</u>	<u>4.5</u>	

Did Well Dewater? No If yes, gals.

Gallons Actually Evacuated: 4.5

Sampling Time: 14:25

Sample I.D.: C-2

Laboratory: SCQ

Analyzed for: TPH, 6, 5TEX

Duplicate I.D.:

Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations:



# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>941129-M1</u>	Station # <u>9-4816</u>
Sampler: <u>M/M</u>	Date Sampled: <u>11-29</u>
Well I.D.: <u>C-3</u>	Well Diameter: (circle one) <u>(2)</u> 3 4 6
Total Well Depth: Before <u>N/A</u> After	Depth to Water: Before <u>22.10</u> After
Depth to Free Product: <u>21.16</u>	Thickness of Free Product (feet): <u>.94</u>
Measurements referenced to: <u>(PVC)</u> Grade Other --	

_____ X _____	=	_____ gallons
1 Case Volume	Specified Volumes	

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

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

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
						<u>FP IN WELL</u>
<u>750</u>	<u>REMOVED</u>	<u>1000 ML</u>		<u>F.P.</u>		

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

Sampling Time: 750

Sample I.D.: C3

Laboratory: CHEVRON TERMINAL

Analyzed for: FP MATERIAL ID

Duplicate I.D.:

Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations:

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>941129-MU1</u>	Station # <u>9-4816</u>
Sampler: <u>MM</u>	Date Sampled: <u>11-29</u>
Well I.D.: <u>C-4</u>	Well Diameter: (circle one) <u>(2)</u> 3 4 6
Total Well Depth: Before <u>29.54</u> After	Depth to Water: Before <u>21.60</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>PVC</u>	Grade Other --

<u>1.4</u>	x	<u>3</u>	=	<u>4.2</u>
1 Case Volume		Specified Volumes		gallons

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

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

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>12:30</u>	<u>63.8</u>	<u>7.2</u>	<u>650</u>	<u>-</u>	<u>1.5</u>	
<u>12:33</u>	<u>61.9</u>	<u>7.1</u>	<u>600</u>	<u>-</u>	<u>3.0</u>	
<u>12:36</u>	<u>62.0</u>	<u>7.1</u>	<u>600</u>	<u>-</u>	<u>4.5</u>	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 4.5

Sampling Time: <u>12:40</u>
Sample I.D.: <u>C-4</u> Laboratory: <u>SLD</u>
Analyzed for: <u>TMG, STX</u>
Duplicate I.D.: _____ Cleaning Blank I.D.: _____
Analyzed for: _____
Shipping Notations: _____
Additional Notations: _____

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>941129-M1</u>	Station #: <u>9-4816</u>
Sampler: <u>MM</u>	Date Sampled: <u>11-29</u>
Well I.D.: <u>C-5</u>	Well Diameter: (circle one) <u>2</u> 3 4 6
Total Well Depth: Before <u>32.56</u> After	Depth to Water: Before <u>21.85</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>PVC</u> Grade Other --	

<u>1.8</u>	x	<u>3</u>	=	<u>5.4</u>
1 Case Volume		Specified Volumes		gallons

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

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

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>15:35</u>	<u>62.3</u>	<u>6.5</u>	<u>1300</u>	—	<u>2</u>	<u>SCREEN/SOR</u>
<u>15:38</u>	<u>60.9</u>	<u>6.5</u>	<u>1300</u>	—	<u>4</u>	<u>ORGANICS IN H<sub>2</sub>O</u>
<u>15:41</u>	<u>60.7</u>	<u>6.4</u>	<u>1300</u>	—	<u>6</u>	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 6

Sampling Time: 15:45

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

Analyzed for: PH 6, OTEX

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

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

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

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

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>941129-M</u>	Station # <u>9-4816</u>
Sampler: <u>MW</u>	Date Sampled: <u>11-29</u>
Well I.D.: <u>C-6</u>	Well Diameter: (circle one) <u>(2)</u> 3 4 6
Total Well Depth: Before <u>29.10</u> After	Depth to Water: Before <u>20.48</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>PVC</u>	Grade Other --

<u>1.5</u>	x	<u>3</u>	=	<u>4.5</u>
1 Case Volume		Specified Volumes		gallons

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

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>12:00</u>	<u>64.4</u>	<u>7.1</u>	<u>650</u>	<u>—</u>	<u>1.5</u>	<u>SAND IN H<sub>2</sub>O</u>
<u>12:03</u>	<u>64.4</u>	<u>7.1</u>	<u>600</u>	<u>—</u>	<u>3.0</u>	
<u>12:06</u>	<u>64.2</u>	<u>7.1</u>	<u>600</u>	<u>—</u>	<u>5.0</u>	

Did Well Dewater? NO If yes, gals.      Gallons Actually Evacuated: 5

Sampling Time: 12:10

Sample I.D.: C-6      Laboratory: SEQ

Analyzed for: TPH, BTEX

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

Analyzed for:

Shipping Notations:

Additional Notations:

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>941129-M1</u>	Station # <u>9-4816</u>
Sampler: <u>1/4" H</u>	Date Sampled: <u>11-29</u>
Well I.D.: <u>C-7</u>	Well Diameter: (circle one) <u>(2)</u> 3 4 6
Total Well Depth: Before <u>33.14</u> After	Depth to Water: <u>19.78</u> Before <del>33.14</del> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to:	<u>(PVC)</u> Grade Other --

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

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

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

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>12:50</u>	<u>67.6</u>	<u>7.1</u>	<u>700</u>	<u>—</u>	<u>2.5</u>	
<u>12:53</u>	<u>66.6</u>	<u>7.1</u>	<u>700</u>	<u>—</u>	<u>5.0</u>	
<u>12:56</u>	<u>66.5</u>	<u>7.1</u>	<u>650</u>	<u>—</u>	<u>7.0</u>	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 7.0

Sampling Time: 13:00

Sample I.D.: C-7

Laboratory: SLG

Analyzed for: TPH, BTEX

Duplicate I.D.:

Cleaning Blank I.D.:

Analyzed for:

Shipping Notations:

Additional Notations:

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>941128-M1</u>	Station #: <u>9-4816</u>
Sampler: <u>AM</u>	Date Sampled: <u>11-79</u>
Well I.D.: <u>C-8</u>	Well Diameter: (circle one) <u>2</u> 3 4 6
Total Well Depth: Before <u>34.04</u> After	Depth to Water: Before <u>20.16</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>PVC</u> Grade Other --	

<u>2.4</u>	<u>x</u>	<u>3</u>	<u>=</u>	<u>7.2</u>
1 Case Volume		Specified Volumes		gallons

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

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

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>13:20</u>	<u>62.2</u>	<u>6.8</u>	<u>650</u>	<u>—</u>	<u>3</u>	<u>CRIST H<sub>2</sub>O</u>
<u>13:24</u>	<u>62.6</u>	<u>6.6</u>	<u>600</u>	<u>—</u>	<u>6</u>	<u>SLIGHT ODD</u>
<u>13:27</u>	<u>62.8</u>	<u>6.6</u>	<u>600</u>	<u>—</u>	<u>8</u>	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 8

Sampling Time: 13:30

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

Analyzed for: THG, BTEX

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

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

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

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

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>941129-111</u>	Station # <u>94816</u>
Sampler: <u>JMN</u>	Date Sampled: <u>11-29</u>
Well I.D.: <u>C-9</u>	Well Diameter: (circle one) <u>2</u> 3 4 6
Total Well Depth: Before <u>57.74</u> After	Depth to Water: Before <u>20.24</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>PVC</u>	Grade Other --

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

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

Sampling: Bailer  
 Middleburg  
 Electric Submersible  
 Suction Pump  
 Installed Pump

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>11:06</u>	<u>56.8</u>	<u>7.3</u>	<u>1000</u>	<u>—</u>	<u>2.5</u>	
<u>11:04</u>	<u>53.1</u>	<u>7.3</u>	<u>950</u>	<u>—</u>	<u>5.0</u>	
<u>11:06</u>	<u>53.7</u>	<u>7.3</u>	<u>1000</u>	<u>—</u>	<u>7.0</u>	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 7.0

Sampling Time: 11:10

Sample I.D.: C-9 Laboratory: SLR

Analyzed for: TPH6, BTEX

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

Analyzed for:

Shipping Notations:

Additional Notations:

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>941129-MW</u>	Station # <u>9-4816</u>
Sampler: <u>MW10C MW10B</u>	Date Sampled: <u>11-28</u>
Well I.D.: <u>MW-10</u>	Well Diameter: (circle one) <u>2</u> 3 4 6
Total Well Depth: Before <u>34.14</u> After	Depth to Water: Before <u>20.74</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>PVC</u> Grade Other --	

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

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

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

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>11:25</u>	<u>62.8</u>	<u>7.6</u>	<u>800</u>	<u>—</u>	<u>2.5</u>	
<u>11:29</u>	<u>59.4</u>	<u>7.6</u>	<u>750</u>	<u>—</u>	<u>5.0</u>	
<u>11:31</u>	<u>59.4</u>	<u>7.7</u>	<u>750</u>	<u>—</u>	<u>7</u>	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 7

Sampling Time: 11:35

Sample I.D.: MW-10 Laboratory: SEQ

Analyzed for: TPH, 1516x

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

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

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

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



# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>941129-M1</u>	Station # <u>9-4816</u>
Sampler: <u>MM</u>	Date Sampled: <u>11-29</u>
Well I.D.: <u>MW-11</u>	Well Diameter: (circle one) <u>2</u> 3 4 6
Total Well Depth: Before <u>23.14</u> After	Depth to Water: Before <u>20.82</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>PVC</u>	Grade Other --

<u>.40</u>	x	<u>3</u>	=	<u>1.2</u>
1 Case Volume		Specified Volumes		gallons

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

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>10:40</u>	<u>59.4</u>	<u>7.1</u>	<u>800</u>	<del>800</del>	<u>.5</u>	
<u>10:42</u>	<u>62.9</u>	<u>7.1</u>	<u>800</u>	—	<u>1.0</u>	
<u>10:44</u>	<u>62.8</u>	<u>7.1</u>	<u>800</u>	—	<u>1.5</u>	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 1.5

Sampling Time: 10:45

Sample I.D.: MW-11 Laboratory: SEA

Analyzed for: TPH, BTEX

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

Analyzed for:

Shipping Notations:

Additional Notations:

# CHEVRON WELL MONITORING DATA SHEET

Project #: <u>941129-MA1</u>	Station #: <u>9-4816</u>
Sampler: <u>MM</u>	Date Sampled: <u>11-29</u>
Well I.D.: <u>NW-12</u>	Well Diameter: (circle one) 2 3 4 <u>6</u>
Total Well Depth: Before <u>N/A Pump</u> After	Depth to Water: Before <u>21.10</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>PVC</u>	Grade Other --

_____ X _____	_____ = _____	
1 Case Volume	Specified Volumes	gallons

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

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>16:05</u>	<u>60.9</u>	<u>7.0</u>	<u>1200</u>	<u>—</u>	<u>1.0</u>	<u>SUBEN/ODOR</u>

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 1.0

Sampling Time: 16:05

Sample I.D.: NW-12 Laboratory: SEA

Analyzed for: PH, STX

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

Analyzed for:

Shipping Notations:

Additional Notations: