ENVIRONMENTAL
PROTECTION

00 JAN -6 PM 4:07

800 Outer St.
Oakland

Chevron

Chevron U.S.A. Products Company
6001 Bollinger Canyon Rd. Bldg. L
P. O. Box 6004
San Ramon, CA 94583-0804

Site Assessment and
Remediation Group
Phone (510) 842-9500
Fax (510) 842-8370

Date: December 23, 1999

To: Distribution

Re: Groundwater Monitoring Report , S-800

The enclosed groundwater monitoring report has been properly reviewed by a Chevron authorized representative. Agency guidelines have been followed. Blaine Tech Services is authorized to distribute the report directly to interested parties.

If you have any questions, please call me at (510) 842-8695.

Sincerely,

Brett L. Hunter

Brett Hunter
Site Assessment and Remediation
Project Manager

BLAINE
TECH SERVICES INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE

December 22, 1999

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

4th Quarter 1999 Monitoring at S-800

Fourth Quarter 1999 Groundwater Monitoring at
Former Signal Oil Station Number S-800
800 Center Street
Oakland, CA

Monitoring Performed on October 28, 1999

Groundwater Sampling Report **991028-D-2**

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

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

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

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

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

Please call if you have any questions.

Yours truly,

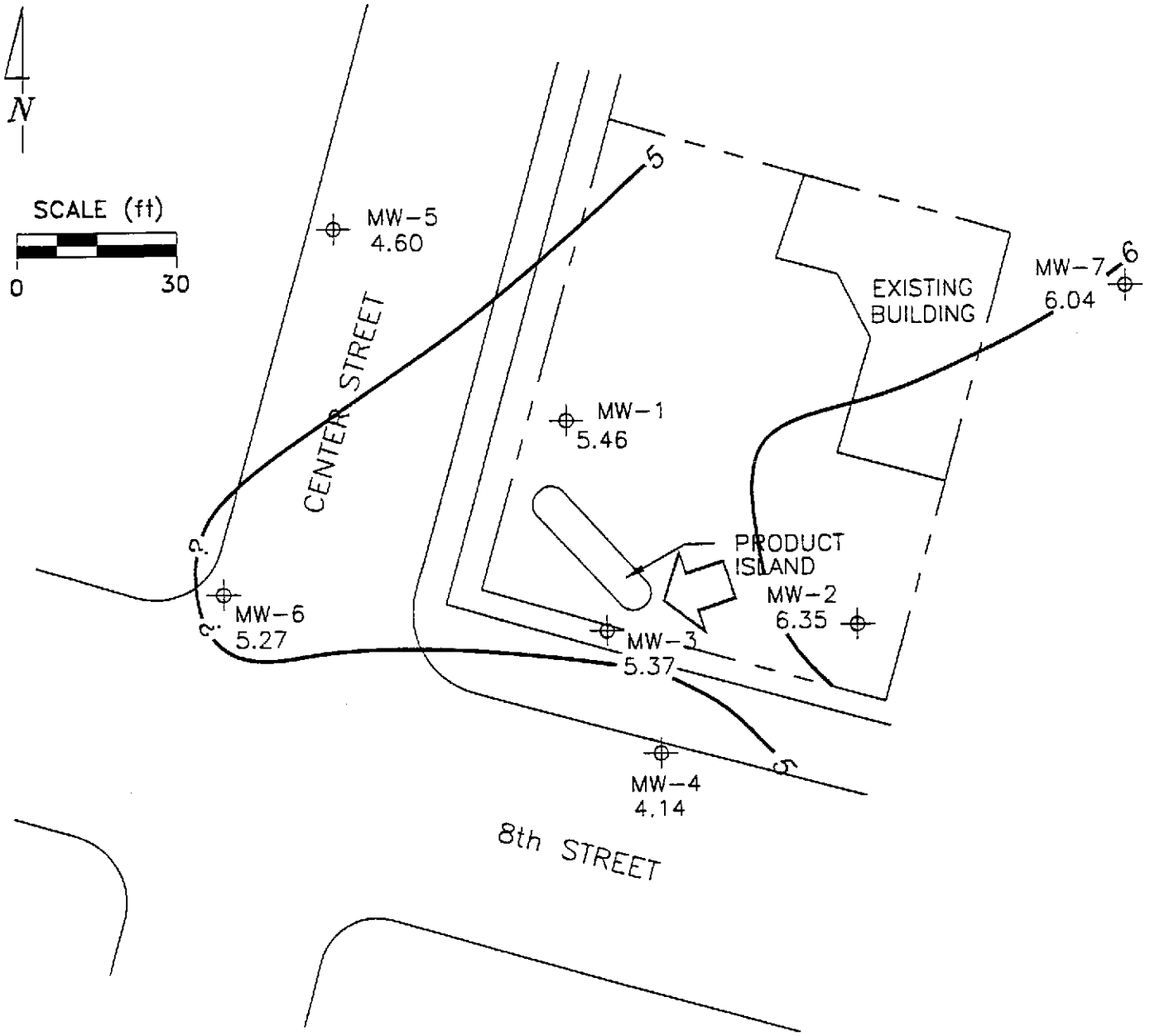
Scott Boor
Project Coordinator

SDB/jbt

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

cc: Larry Seto, Alameda County Health Care Services
Terrell A. Sadler
James Scott, BPH, Inc.
Hollis Rodgers, c/o Victor E. Brown, Esq.
David H. Shirley
Greg Gurss, Gettler-Ryan, Inc.
James Perkins, Cambria Environmental Technology, Inc.
Bette Owen, Chevron (w/o enclosure)
Anne Payne, Chevron (w/o enclosure)

Professional Engineering Appendix



EXPLANATON

- MONITORING WELL
- 5.27 GROUNDWATER ELEVATION (FT, MSL)
- 6 GROUNDWATER ELEVATION CONTOUR (FT, MSL)
- APPROXIMATE GROUNDWATER FLOW DIRECTION; APPROXIMATE GRADIENT = 0.03

REGISTERED GEOLOGIST
STEVEN E. KRCIK
No. 4975
09/00
STATE OF CALIFORNIA

Ref. 206145.dwg
Basemap from Ron Archer Engineer Inc.

PREPARED BY RRM engineering contracting firm	**Former Signal Service Station S-800** 800 Center Street Oakland, California **GROUNDWATER ELEVATION CONTOUR MAP, OCTOBER 28, 1999**	FIGURE: **1** PROJECT: DAC04

Table of
Well Data and
Analytical Results

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	CUB (cfu/ml)
MW-1											
10/27/95	15.69	10.54	5.15	--	170,000	19,000	34,000	4800	26,000	--	--
02/20/97	15.64	8.96	6.68	--	18,000	870	3500	470	2100	<250	--
04/24/97	15.64	7.30	8.34	--	76,000	4600	16,000	1600	8300	1000	--
07/23/97	15.64	5.90	9.74	--	37,000	2700	8000	870	6100	<250	--
10/29/97	15.64	--	--	Inaccessible	--	--	--	--	--	--	--
01/28/98	15.64	9.30	6.34	--	10,000	380	2000	300	1500	<25	--
05/11/98	15.64	8.72	6.92	--	17,000	880	3100	380	2300	<250	--
07/16/98	15.64	7.23	8.41	--	29,000	2700	6800	890	3900	<1000	--
08/04/98	15.64	6.90	8.74	**	--	--	--	--	--	--	$<1.0 \times 10^1$
09/03/98	15.64	6.43	9.21	**/+	--	--	--	--	--	--	4.1×10^3
10/21/98	15.64	5.59	10.05	***	--	--	--	--	--	--	4.7×10^2
11/04/98	15.64	5.64	10.00	--	25,000	1900	5900	810	4300	<125	--
01/26/99	15.64	6.86	8.78	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
05/06/99	15.64	8.17	7.47	--	8050	515	1840	256	1190	300	--
05/06/99	15.64	8.17	7.47	Confirmation Run	--	--	--	--	--	<20	--
08/21/99	15.64	13.27	2.37	--	46,500	2530	8700	1010	5300	<1250	--
08/21/99	15.64	13.27	2.37	Confirmation Run	--	--	--	--	--	<40	--
10/28/99	15.64	5.46	10.18	--	31,600	1580	6100	794	4400	1270	--

** Contaminate hydrocarbon utilizing bacteria plate count was run with diesel and jet fuel degraders.

***Contaminate hydrocarbon utilizing bacteria plate count was run with gasoline degraders.

+ See Table of Additional Analyses.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	CUB (cfu/ml)
MW-2											
10/27/95	15.77	10.60	5.17	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/97	15.72	8.51	7.21	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/24/97	15.72	7.82	7.90	--	83*	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/23/97	15.72	5.92	9.80	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	15.72	5.13	10.59	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/28/98	15.72	9.21	6.51	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/11/98	15.72	8.82	6.90	Sampled annually	--	--	--	--	--	--	--
07/16/98	15.72	7.37	8.35	--	--	--	--	--	--	--	--
08/04/98	15.72	7.03	8.69	**	--	--	--	--	--	--	1.9×10^1
09/03/98	15.72	6.44	9.28	**/+	--	--	--	--	--	--	3.0×10^2
10/21/98	15.72	5.51	10.21	***	--	--	--	--	--	--	8.8×10^2
11/04/98	15.72	5.60	10.12	--	--	--	--	--	--	--	--
01/26/99	15.72	6.87	8.85	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
05/06/99	15.72	8.20	7.52	--	--	--	--	--	--	--	--
08/21/99	15.72	13.21	2.51	--	--	--	--	--	--	--	--
10/28/99	15.72	6.35	9.37	--	--	--	--	--	--	--	--

* Chromatogram pattern indicates an unidentified hydrocarbon.

** Contaminate hydrocarbon utilizing bacteria plate count was run with diesel and jet fuel degraders.

***Contaminate hydrocarbon utilizing bacteria plate count was run with gasoline degraders.

+ See Table of Additional Analyses.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	CUB (cfu/ml)
MW-3											
10/27/95	15.46	10.37	5.09	--	33,000	11,000	1700	2300	4200	--	--
02/20/97	15.42	8.37	7.05	--	260	56	<1.0	7.6	5.9	<5.0	--
04/24/97	15.42	7.29	8.13	--	1400	310	28	76	75	74	--
07/23/97	15.42	5.84	9.58	--	37,000	10,000	1500	2700	4200	2500	--
10/29/97	15.42	5.09	10.33	--	53,000	12,000	1200	3000	3100	2500	--
01/28/98	15.42	8.94	6.48	--	210	43	1.5	1.7	3.9	10	--
05/11/98	15.42	8.49	6.93	--	59	11	<0.5	2.1	<0.5	<2.5	--
07/16/98	15.42	7.14	8.28	--	260	90	4.8	18	5.7	<10	--
08/04/98	15.42	6.88	8.54	*	--	--	--	--	--	--	8.5×10^2
09/03/98	15.42	6.34	9.08	*/+	--	--	--	--	--	--	2.4×10^3
10/21/98	15.42	5.62	9.80	**	--	--	--	--	--	--	6.0×10^1
11/04/98	15.42	5.60	9.82	--	73,000	17,000	3800	4900	8100	<250	--
01/26/99	15.42	6.70	8.72	--	32,400	10,200	1850	2650	3140	715	--
01/26/99	15.42	6.70	8.72	Confirmation Run	--	--	--	--	--	<500	--
05/06/99	15.42	7.97	7.45	--	3160	668	89.6	180	123	<200	--
05/06/99	15.42	7.97	7.45	Confirmation Run	--	--	--	--	--	<10	--
08/21/99	15.42	7.95	7.47	--	53,800	9700	2040	2880	5000	<1250	--
08/21/99	15.42	7.95	7.47	Confirmation Run	--	--	--	--	--	<40	--
10/28/99	15.42	5.37	10.05	--	71,300	14,000	3420	4320	8360	<1000	--

* Contaminate hydrocarbon utilizing bacteria plate count was run with diesel and jet fuel degraders.

** Contaminate hydrocarbon utilizing bacteria plate count was run with gasoline degraders.

+ See Table of Additional Analyses.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	CUB (cfu/ml)
MW-4											
10/27/95	14.45	9.37	5.08	--	66	6.8	<0.5	<0.5	<0.5	--	--
02/20/97	14.40	8.12	6.28	--	54	<0.5	<0.5	<0.5	7.4	39	--
04/24/97	14.40	7.29	7.11	--	54	1.4	<0.5	0.65	3.0	100	--
07/23/97	14.40	5.80	8.60	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	14.40	5.74	8.66	Inaccessible	--	--	--	--	--	--	--
11/13/97	14.40	4.97	9.43	--	<50	<0.5	0.79	<0.5	<0.5	<2.5	--
01/28/98	14.40	8.88	5.52	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/11/98	14.40	8.40	6.00	Sampled biannually	--	--	--	--	--	--	--
07/16/98	14.40	7.08	7.32	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
08/04/98	14.40	6.28	8.12	*	--	--	--	--	--	--	1.8×10^4
09/03/98	14.40	6.32	8.08	*/+	--	--	--	--	--	--	1.4×10^4
10/21/98	14.40	5.64	8.76	**	--	--	--	--	--	--	8.6×10^4
11/04/98	14.40	5.61	8.79	--	--	--	--	--	--	--	--
01/26/99	14.40	6.71	7.69	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
05/06/99	14.40	8.15	6.25	--	--	--	--	--	--	--	--
08/21/99	14.40	8.13	6.27	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
10/28/99	14.40	4.14	10.26	--	--	--	--	--	--	--	--

* Contaminate hydrocarbon utilizing bacteria plate count was run with diesel and jet fuel degraders.

** Contaminate hydrocarbon utilizing bacteria plate count was run with gasoline degraders.

+ See Table of Additional Analyses.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	CUB (cfu/ml)
MW-5											
01/03/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/97	15.03	--	--	Inaccessible	--	--	--	--	--	--	--
04/24/97	15.03	--	--	Inaccessible	--	--	--	--	--	--	--
04/30/97	15.03	7.06	7.97	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/23/97	15.03	--	--	Inaccessible	--	--	--	--	--	--	--
10/29/97	15.03	--	--	Inaccessible	--	--	--	--	--	--	--
01/28/98	15.03	8.83	6.20	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/11/98	15.03	--	--	Inaccessible	--	--	--	--	--	--	--
07/16/98	15.03	7.28	7.75	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
08/04/98	15.03	--	--	Inaccessible	--	--	--	--	--	--	--
11/04/98	15.03	--	--	Inaccessible	--	--	--	--	--	--	--
01/26/99	15.03	--	--	Inaccessible	--	--	--	--	--	--	--
05/06/99	15.03	--	--	Inaccessible	--	--	--	--	--	--	--
08/21/99	15.03	6.74	8.29	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
10/28/99	15.03	4.60	10.43	--	--	--	--	--	--	--	--

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	CUB (cfu/ml)
MW-6											
01/03/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/97	14.73	8.11	6.62	--	800	310	23	11	28	<12	--
04/24/97	14.73	7.13	7.60	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/23/97	14.73	5.73	9.00	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	14.73	4.98	9.75	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/28/98	14.73	8.19	6.54	--	160	38	<0.5	<0.5	<0.5	<2.5	--
05/11/98	14.73	8.08	6.65	--	1700	490	72	39	52	<25	--
07/16/98	14.73	7.04	7.69	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
08/04/98	14.73	6.89	7.84	*	--	--	--	--	--	--	8.6×10^3
09/03/98	14.73	6.24	8.49	*/+	--	--	--	--	--	--	2.9×10^3
10/21/98	14.73	5.46	9.27	**	--	--	--	--	--	--	1.8×10^3
11/04/98	14.73	5.52	9.21	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/26/99	14.73	6.49	8.24	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
05/06/99	14.73	7.91	6.82	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
08/21/99	14.73	7.93	6.80	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
10/28/99	14.73	5.27	9.46	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--

* Contaminate hydrocarbon utilizing bacteria plate count was run with diesel and jet fuel degraders.

**Contaminate hydrocarbon utilizing bacteria plate count was run with gasoline degraders.

+ See Table of Additional Analyses.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	CUB (cfu/ml)
MW-7											
01/03/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/97	16.36	8.86	7.50	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/24/97	16.36	7.59	8.77	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/23/97	16.36	6.09	10.27	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	16.36	5.28	11.08	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/28/98	16.36	9.10	7.26	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/11/98	16.36	9.11	7.25	Sampled annually	--	--	--	--	--	--	--
07/16/98	16.36	8.00	8.36	--	--	--	--	--	--	--	--
08/04/98	16.36	7.32	9.04	*	--	--	--	--	--	--	1.5×10^3
09/03/98	16.36	6.65	9.71	*/+	--	--	--	--	--	--	6.5×10^2
10/21/98	16.36	5.96	10.40	**	--	--	--	--	--	--	4.8×10^3
11/04/98	16.36	5.89	10.47	--	--	--	--	--	--	--	--
01/26/99	16.36	8.25	8.11	--	<50	<0.5	<0.5	<0.5	0.5	<2.0	--
05/06/99	16.36	8.47	7.89	--	--	--	--	--	--	--	--
08/21/99	16.36	8.51	7.85	--	--	--	--	--	--	--	--
10/28/99	16.36	6.04	10.32	--	--	--	--	--	--	--	--

* Contaminate hydrocarbon utilizing bacteria plate count was run with diesel and jet fuel degraders.

**Contaminate hydrocarbon utilizing bacteria plate count was run with gasoline degraders.

+ See Table of Additional Analyses.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	CUB (cfu/ml)
TRIP BLANK											
02/20/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/24/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/23/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/28/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/11/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/16/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
11/04/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
01/26/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
05/06/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--

ADDITIONAL ANALYSES

Analytical values are in parts per billion (ppb)

DATE	Notes	Total Alkalinity	Ferrous Iron	Nitrate as Nitrate	Sulfate	Pre-purge D.O. (mg/L)	Post-purge D.O. (mg/L)	Pre-purge O.R.P. (mV)	Post-purge O.R.P. (mV)
MW-1									
09/03/98	--	230,000	9800	<1000	6100	2.3	1.6	-90	-103
MW-2									
09/03/98	--	390,000	7400	<1000	21,000	2.8	2.5	-206	-163
MW-3									
09/03/98	--	830,000	45,000	<1000	10,000	3.1	0.7	-124	-99
MW-4									
09/03/98	--	--	--	--	--	2.6	1.1	-190	-206
MW-6									
09/03/98	--	94,000	62	28,000	47,000	2.6	3.2	-148	-167
MW-7									
09/03/98	--	170,000	120	7800	57,000	2.7	3.2	-207	-229

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on February 20, 1997.
Earlier field data and analytical results are drawn from the January 24, 1997 Groundwater Technology, Inc. report.

ABBREVIATIONS:
TPH = Total Petroleum Hydrocarbons
MTBE = Methyl t-Butyl Ether
ND = Not detected at or above the minimum quantitation limit. See laboratory reports for minimum quantitation limits.
CUB = Contaminate Utilizing Bacteria

Analytical Appendix

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612

November 12, 1999

Leah Davis
Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

RE: Chevron(3)/L910269

Dear Leah Davis

Enclosed are the results of analyses for sample(s) received by the laboratory on October 29, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wayne Stevenson
Project Manager

CA ELAP Certificate Number I-2360

Sequoia Analytical

1551 Industrial Road
San Carlos, CA 94070-4111
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Blaine Tech Services	Project:	Chevron(3)	Sampled:	10/28/99
1680 Rogers Avenue	Project Number:	Chevron 206145(S-800)/991028-D2	Received:	10/29/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported:	11/12/99

ANALYTICAL REPORT FOR L910269

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	L910269-01	Water	10/28/99
MW-3	L910269-02	Water	10/28/99
MW-6	L910269-03	Water	10/28/99

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Sequoia Analytical

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Blaine Tech Services	Project:	Chevron(3)	Sampled: 10/28/99
1680 Rogers Avenue	Project Number:	Chevron 206145(S-800)/991028-D2	Received: 10/29/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 11/12/99

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - San Carlos

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1			**L910269-01**				**Water**	
Purgeable Hydrocarbons as Gasoline	9110067	11/11/99	11/11/99		10000	**31600**	ug/l	I
Benzene	"	"	"		100	**1580**	"	
Toluene	"	"	"		100	**6100**	"	
Ethylbenzene	"	"	"		100	**794**	"	
Xylenes (total)	"	"	"		100	**4400**	"	
Methyl tert-butyl ether	"	"	"		1000	**1270**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*111*	%	
MW-3			**L910269-02**				**Water**	
Purgeable Hydrocarbons as Gasoline	9110066	11/11/99	11/11/99		10000	**71300**	ug/l	1
Benzene	"	"	"		100	**14000**	"	
Toluene	"	"	"		100	**3420**	"	
Ethylbenzene	"	"	"		100	**4320**	"	
Xylenes (total)	"	"	"		100	**8360**	"	
Methyl tert-butyl ether	"	"	"		1000	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*101*	%	
MW-6			**L910269-03**				**Water**	
Purgeable Hydrocarbons as Gasoline	9110067	11/11/99	11/11/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*97.9*	%	

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Blaine Tech Services	Project:	Chevron(3)	Sampled: 10/28/99
1680 Rogers Avenue	Project Number:	Chevron 206145(S-800)/991028-D2	Received: 10/29/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 11/12/99

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9110066	**Date Prepared: 11/11/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9110066-BLK1**									
Purgeable Hydrocarbons as Gasoline	11/11/99			**ND**	ug/l	**50.0**				
Benzene	"			**ND**	"	**0.500**				
Toluene	"			**ND**	"	**0.500**				
Ethylbenzene	"			**ND**	"	**0.500**				
Xylenes (total)	"			**ND**	"	**0.500**				
Methyl tert-butyl ether	"			**ND**	"	**5.00**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.72*	"	*70.0-130*	*97.2*			
LCS	**9110066-BS1**									
Benzene	11/11/99	10.0		9.39	ug/l	70.0-130	93.9			
Toluene	"	10.0		9.48	"	70.0-130	94.8			
Ethylbenzene	"	10.0		9.86	"	70.0-130	98.6			
Xylenes (total)	"	30.0		29.5	"	70.0-130	98.3			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.83*	"	*70.0-130*	*88.3*			
LCS	**9110066-BS2**									
Purgeable Hydrocarbons as Gasoline	11/11/99	250		246	ug/l	70.0-130	98.4			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.15*	"	*70.0-130*	*81.5*			
Matrix Spike	**9110066-MS1**		**L910239-06**							
Purgeable Hydrocarbons as Gasoline	11/11/99	250	ND	263	ug/l	60.0-140	**105**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.47*	"	*70.0-130*	*94.7*			
Matrix Spike Dup	**9110066-MSD1**		**L910239-06**							
Purgeable Hydrocarbons as Gasoline	11/11/99	250	ND	254	ug/l	60.0-140	**102**	25.0	**2.90**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.93*	"	*70.0-130*	*89.3*			
Batch: 9110067	**Date Prepared: 11/11/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9110067-BLK1**									
Purgeable Hydrocarbons as Gasoline	11/11/99			**ND**	ug/l	**50.0**				
Benzene	"			**ND**	"	**0.500**				
Toluene	"			**ND**	"	**0.500**				
Ethylbenzene	"			**ND**	"	**0.500**				
Xylenes (total)	"			**ND**	"	**0.500**				
Methyl tert-butyl ether	"			**ND**	"	**5.00**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*11.0*	"	*70.0-130*	*110*			
LCS	**9110067-BS1**									
Benzene	11/11/99	10.0		8.98	ug/l	70.0-130	89.8			
Toluene	"	10.0		8.79	"	70.0-130	87.9			

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Blaine Tech Services	Project:	Chevron(3)	Sampled: 10/28/99
1680 Rogers Avenue	Project Number:	Chevron 206145(S-800)/991028-D2	Received: 10/29/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported: 11/12/99

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS (continued)	**9110067-BS1**									
Ethylbenzene	11/11/99	10.0		8.97	ug/l	70.0-130	89.7			
Xylenes (total)	"	30.0		26.5	"	70.0-130	88.3			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.7*	"	*70.0-130*	*107*			
LCS	**9110067-BS2**									
Purgeable Hydrocarbons as Gasoline	11/11/99	250		271	ug/l	70.0-130	108			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*12.8*	"	*70.0-130*	*128*			
Matrix Spike	**9110067-MS1**		**L910256-05**							
Purgeable Hydrocarbons as Gasoline	11/11/99	250	ND	267	ug/l	60.0-140	**107**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*12.4*	"	*70.0-130*	*124*			
Matrix Spike Dup	**9110067-MSD1**		**L910256-05**							
Purgeable Hydrocarbons as Gasoline	11/11/99	250	ND	262	ug/l	60.0-140	**105**	25.0	**1.89**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*11.8*	"	*70.0-130*	*118*			

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Blaine Tech Services	Project:	Chevron(3)	Sampled:	10/28/99
1680 Rogers Avenue	Project Number:	Chevron 206145(S-800)/991028-D2	Received:	10/29/99
San Jose, CA 95112	Project Manager:	Leah Davis	Reported:	11/12/99

Notes and Definitions

#	Note
1	Chromatogram Pattern: Gasoline C6-C12
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference

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

Chain-of-Custody-Record

Chevron Products Co.
P.O. BOX 6004
San Ramon, CA 94583
FAX (925)842-8370

Chevron Facility Number 206145 (S-800) L9/0269
Facility Address 800 Center St., Oakland
Consultant Project Number 99028-D2
Consultant Name Blaine Tech Services, Inc.
Address 1680 Rogers Ave., San Jose
Project Contact (Name) Scott Boor
(Phone) 408-573-0555 (Fax) 408-573-7771

Chevron Contact Name) Brett Hunter
(Phone) (925) 842-8695
Laboratory Name Sequoia
Laboratory Service Order 9144488
Laboratory Service Code ZZ02790
Samples collected by (Name) Donte Miller
Signature

State Method: ☐ CA ☐ OR ☐ WA ☐ NW Series ☐ CO ☐ UT

Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Sample Preservation	Date/Time	BTEX/MTBE + TPH GAS (8020 + 8015)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oxygenates (8260)	Purgeable Halocarbons (8010)	Purgeable Organics (8270)	Extractable Organics (8270)	Oil and Grease (5520)	Metals (ICAP or AA) Cd, Cr, Pb, Zn, Ni	BTEX (8020)	BTEX/MTBE/Naph. (8020)	TPH - HCID	TPH - D Extended					Remarks / Lab Sample No.
MW-1	3	W	HCl	10/29/99 1328	X																	
MW-3	3	W	HCl	10/29/99 1542	X																	
MW-4	3	W	HCl	10/29/99 1502	X																	
TB	2	W	HCl	10/29/99	X																	

Relinquished By (Signature)	Organization	Date/Time 10/29 9:30	Received By (Signature)	Organization	Date/Time 10/29 9:45	Iced Y/N	Turn Around Time (Circle One)
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N	24 Hrs.
Relinquished By (Signature)	Organization	Date/Time 10/29	Received For Laboratory By (Signature)		Date/Time 10/30/99 0830	Iced Y/N	48 Hrs. 5 Days 10 Days As Contracted

COC-3 DWG/07-98/HCH

Field
Data
Sheets

WELL GAUGING DATA

Project # 991028-D2 Date 10/28/99 Client Former SIGNAL OIL #15-840

Site 800 CENTER ST OAKLAND, CA

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC		
MW-1	2"					10.18	13.53	TOC	G/S	6
MW-2	2"					9.37	13.27		G	1
MW-3	2"					10.05	14.24		G/S	7
MW-4	2"					8.26	13.46		G	2
MW-5	2"					10.43	19.16		G/S	3
MW-6	2"					9.46	19.62		G/S	4
MW-7	2"					10.32	18.43	↓	G	5

CHEVRON WELL MONITORING DATA SHEET

Project #: 97128-D2	Station #: 5-800
Sampler: Dowe	Date: 10/28/95
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 13.53	Depth to Water: 10.18
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^2 * 0.163

Purge Method: Bailer, Disposable Bailer, Middleburg, Electric Submersible, Extraction Pump, Other: ____

Sampling Method: Bailer, Disposable Bailer, Extraction Port, Other: ____

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

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1520	67.2	6.8	476.3	.5	
1522	67.3	6.7	476.7	1	
1524	67.0	6.8	480.3	1.5	

Did well dewater? Yes (No)	Gallons actually evacuated: 1.5
Sampling Time: 1528	Sampling Date: 10/26/95
Sample I.D.: MW-1	Laboratory: (Sequoia) CORE 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 #: 99102S-02	Station #: S-800
Sampler: Dawit	Date: 10/28/99
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 14.24	Depth to Water: 10.05
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) TOC 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^2 * 0.163

Purge Method: Bailer / (Disposable Bailer) / Middleburg / Electric Submersible / Extraction Pump / Other: ___

Sampling Method: Bailer / (Disposable Bailer) / Extraction Port / Other: ___

.6 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 2.0 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1535	67.5	6.9	1415	1.6	
1541	68.3	6.9	1407	1.5	
1543	68.1	7.0	1405	2	

Did well dewater? Yes (No) Gallons actually evacuated: 2

Sampling Time: 1547 Sampling Date: 10/28/99

Sample I.D.: MW-3 Laboratory: (Sequoia) CORE 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 #: 991028-D2	Station #: S-800
Sampler: Dan P.C	Date: 10/28/99
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 19.62	Depth to Water: 9.46
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC TOC 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^2 * 0.163

Purge Method: Bailer (Disposable Bailer) Middleburg Electric Submersible Extraction Pump Other: ____

Sampling Method: Bailer (Disposable Bailer) Extraction Port Other: ____

1.6 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 4.8 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1452	70.9	7.3	522.5	2	
1455	71.1	6.9	527.7	3½	
1458	70.9	6.9	553.4	5	

Did well dewater? Yes (No)		Gallons actually evacuated: 5	
Sampling Time: 1502		Sampling Date: 10/28/99	
Sample I.D.: MW-6		Laboratory: (Sequoia) CORE 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