STID 1546

September 21, 1998

Chevron

Chevron Products Company
6001 Bollinger Canyon Rd, Bldg L
PO Box 5004
San Ramon, CA 94583-0804

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

Mr. Brian P. Oliva
Alameda County Health Care Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Chevron Service Station 9-2384
15526 Hesperian Blvd. San Lorenzo, CA

Dear Mr. Oliva,

Please find attached the "3rd Quarter 1998 Monitoring at 9-2384" report dated September 18, 1998. This report was prepared for Chevron by Blaine Tech. Services Inc. to provide the results obtained during the monitoring and sampling event which took place on August 19, 1998.

The groundwater samples collected by Blaine Tech Services were analyzed for the presence of TPHG and BTEX constituents. The results obtained during this sampling event were consistent with historical data seen from previous monitoring and sampling events at this site.

Chevron will continue with the current monitoring and sampling schedule in place for this site with the next event due to take place February 1999. If you have any questions or require any other information regarding this site please call me. I can be reached by phone at (925) 842-9449 or by fax at (925) 842-8370.

Sincerely,

Tammy L Hodge
Site Assessment and Remediation

CC:
- Mr. Andy On, Insta Lube
  736 West MacArther Blvd. Oakland CA
- Mrs. Bette Owen, Chevron Property Development
- Chevron File No. 9-2384

BLAINE
TECH SERVICES INC

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

September 18, 1998

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

3rd Quarter 1998 Monitoring at 9-2384

Third Quarter 1998 Groundwater Monitoring at
Former Chevron Service Station Number 9-2384
15526 Hesperian Blvd.
San Lorenzo, CA

Monitoring Performed on August 19, 1998

Groundwater Sampling Report **980819-R-2**

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

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

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

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

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

Please call if you have any questions.

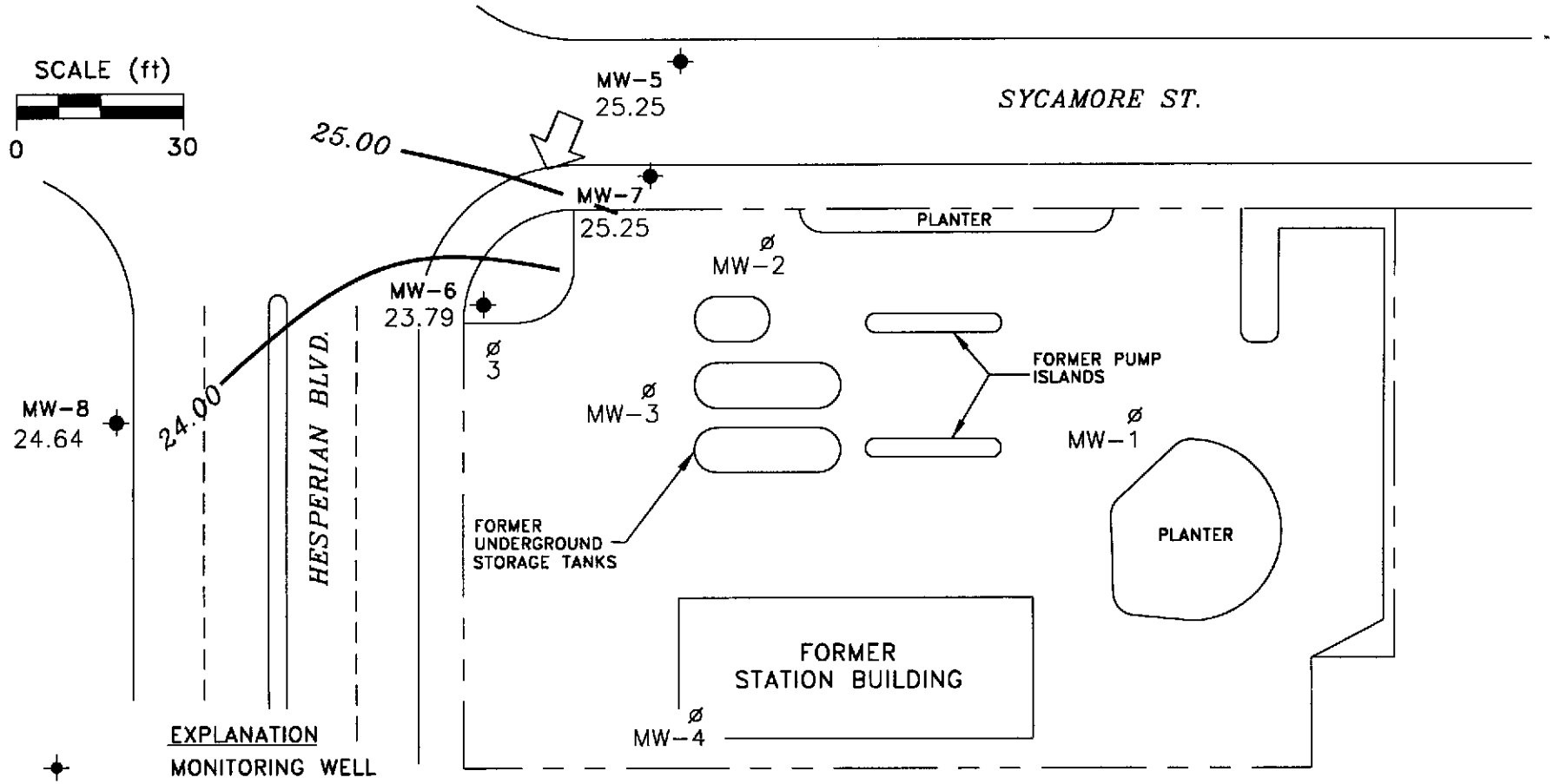
Yours truly,

Francis Thie
Vice President

FPT/ap

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

Professional Engineering Appendix



REGISTERED GEOLOGIST
STEVEN E. KRCIK
No. 4978
STATE OF CALIFORNIA

Basemap from Cambria Environmental Technology, Inc.

PREPARED BY
RRM
engineering contracting firm

Former Chevron Station 9-2384
15526 Hesperian Boulevard
San Lorenzo, California

GROUNDWATER ELEVATION CONTOUR MAP, AUGUST 19, 1998

FIGURE:
1
PROJECT:
DAC04

Table of
Well Data and
Analytical Results

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet. 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
MW-1										
06/04/92	35.64	22.52	13.12	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/30/92	35.64	21.82	13.82	--	--	--	--	--	--	--
08/25/92	35.64	21.44	14.20	--	--	--	--	--	--	--
09/23/92	35.64	21.05	14.59	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/29/92	35.64	21.36	14.28	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/19/93	35.64	24.74	10.90	--	<50	<0.5	<0.5	<0.5	<1.5	--
07/02/93	35.65	24.24	11.41	--	<50	<0.5	<0.5	<0.5	<1.5	--
09/22/93	35.65	22.88	12.77	--	<50	0.9	0.9	<0.5	<1.5	--
10/01/93	35.65	22.72	12.93	--	--	--	--	--	--	--
03/10/94	35.65	23.52	12.13	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/12/94	35.65	23.34	12.31	--	--	--	--	--	--	--
06/17/94	35.65	23.14	12.51	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/01/94	35.65	22.28	13.37	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/28/94	35.65	22.35	13.30	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/14/95	35.65	25.22	10.43	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/28/95	--	--	--	Destroyed	--	--	--	--	--	--
MW-2										
06/04/92	35.85	22.37	13.48	--	6700	910	17	210	30	--
07/30/92	35.85	21.68	14.17	--	--	--	--	--	--	--
08/25/92	35.85	21.29	14.56	--	--	--	--	--	--	--
09/23/92	35.85	20.90	14.95	--	1500	110	1.2	81	<0.5	--
12/29/92	35.85	21.24	14.61	--	1200	51	1.1	27	<0.5	--
03/19/93	35.85	24.61	11.24	--	750	37	1.0	34	1.6	--
07/02/93	35.86	24.10	11.76	--	2100	45	1.4	87	4.8	--
09/22/93	35.86	22.74	13.12	--	880	23	2.8	38	<1.5	--
10/01/93	35.86	22.56	13.30	--	--	--	--	--	--	--
03/10/94	35.86	23.43	12.43	--	230	6.9	1.9	12	0.6	--
04/12/94	35.86	23.24	12.62	--	--	--	--	--	--	--
06/17/94	35.86	23.02	12.84	--	330	1.6	<0.5	3.9	2.5	--
09/01/94	35.86	22.19	13.67	--	400	3.0	2.0	6.4	<0.5	--
11/28/94	35.86	22.26	13.60	--	210	0.56	<0.5	1.1	<0.5	--
03/14/95	35.86	25.17	10.69	--	390	<0.5	<0.5	2.7	<0.5	--
06/28/95	--	--	--	Destroyed	--	--	--	--	--	--

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
MW-3										
06/04/92	35.42	22.30	13.12	--	460	12	0.8	5.8	14	--
07/30/92	35.42	21.61	13.81	--	--	--	--	--	--	--
08/25/92	35.42	21.22	14.20	--	--	--	--	--	--	--
09/23/92	35.42	20.84	14.58	--	1100	62	1.5	110	4.0	--
12/29/92	35.42	21.20	14.22	--	450	21	0.7	12	3.0	--
03/19/93	35.42	24.55	10.87	--	1200	67	1.3	96	5.5	--
07/02/93	35.43	24.06	11.37	--	610	73	0.5	42	<1.5	--
09/22/93	35.43	22.72	12.71	--	400	<0.5	0.6	2.7	<1.5	--
10/04/93	35.43	22.55	12.88	--	--	--	--	--	--	--
03/10/94	35.43	23.35	12.08	--	65	1.6	1.3	1.3	1.1	--
04/12/94	35.43	23.18	12.25	--	--	--	--	--	--	--
06/17/94	35.43	22.90	12.53	--	160	9.2	<0.5	2.9	2.7	--
09/01/94	35.43	22.15	13.28	--	190	3.2	1.1	3.1	6.5	--
11/28/94	35.43	22.23	13.20	--	51	<0.5	<0.5	<0.5	<0.5	--
03/14/95	35.43	25.09	10.34	--	1100	18	<2.5	89	<2.5	--
06/28/95	--	--	--	Destroyed	--	--	--	--	--	--
MW-4										
07/02/93	35.73	23.96	11.77	--	80	<0.5	0.6	<0.5	<1.5	--
09/22/93	35.73	--	--	--	--	--	--	--	--	--
10/01/93	35.73	22.61	13.12	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/10/94	35.73	--	--	--	--	--	--	--	--	--
04/12/94	35.73	23.11	12.62	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/17/94	35.73	22.90	12.83	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/01/94	35.73	22.05	13.68	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/28/94	35.73	22.15	13.58	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/14/95	35.73	24.83	10.90	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/28/95	--	--	--	Destroyed	--	--	--	--	--	--

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
MW-5										
07/02/93	35.50	24.08	11.42	--	<50	<0.5	<0.5	<0.5	<1.5	--
09/22/93	35.50	--	--	--	--	--	--	--	--	--
10/01/93	35.50	--	--	--	--	--	--	--	--	--
03/10/94	35.50	--	--	--	--	--	--	--	--	--
04/12/94	35.50	23.25	12.25	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/17/94	35.50	23.02	12.48	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/01/94	35.50	22.17	13.33	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/28/94	35.50	22.28	13.22	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/14/95	35.50	25.18	10.32	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/28/95	35.50	25.10	10.40	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/25/95	35.50	23.47	12.03	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/19/95	35.50	23.13	12.37	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/29/96	35.50	26.06	9.44	Sampled annually	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/03/96	35.50	--	--	--	--	--	--	--	--	--
03/31/97	35.50	25.40	10.10	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/12/97	35.50	25.10	10.40	--	--	--	--	--	--	--
02/19/98	35.50	27.81	7.69	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
08/19/98	35.50	25.25	10.25	--	--	--	--	--	--	--

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
MW-6										
07/02/93	36.01	23.94	12.07	--	14,000	330	28	980	580	--
09/22/93	36.01	--	--	--	--	--	--	--	--	--
10/01/93	36.01	23.30	12.71	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/10/94	36.01	--	--	--	--	--	--	--	--	--
04/12/94	36.01	23.11	12.90	--	3400	32	<0.5	0.7	67	--
06/17/94	36.01	22.80	13.21	--	2200	16	<0.5	30	17	--
09/01/94	36.01	22.03	13.98	--	4100	62	3.9	93	53	--
11/28/94	36.01	22.15	13.86	--	1400	10	<1.0	18	9.8	--
03/14/95	36.01	24.99	11.02	--	4200	12	<10	92	39	--
06/28/95	36.01	24.89	11.12	--	4100	52	<5.0	<5.0	18	--
09/25/95	36.01	23.34	12.67	--	2500	<5.0	<5.0	25	25	--
01/04/96	36.01	21.85	14.16	--	4800	5.7	<5.0	66	53	60
02/29/96	36.01	24.47	11.54	Sampled biannually	2100	<0.5	<0.5	11	9.4	<2.5
09/03/96	36.01	--	--	Dry	--	--	--	--	--	--
03/31/97	36.01	23.86	12.15	Insufficient water	--	--	--	--	--	--
05/08/97	36.01	22.96	13.05	--	2800	<5.0	<5.0	29	17	<25
09/12/97	36.01	23.74	12.27	Insufficient water	--	--	--	--	--	--
02/19/98	36.01	26.21	9.80	--	2000	<2.5	<2.5	2.5	<2.5	<12
08/19/98	36.01	23.79	12.22	--	240	<0.5	<0.5	<0.5	<0.5	<2.5

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE
MW-7										
09/25/95	35.50	23.45	12.05	--	1400	<2.5	<2.5	<2.5	<2.5	--
12/19/95	35.50	23.17	12.33	--	2100	<5.0	<5.0	<5.0	<5.0	<25
02/29/96	35.50	26.00	9.50	Sampled biannually	380	<0.5	<0.5	<0.5	<0.5	<2.5
09/03/96	35.50	23.72	11.78	--	2700	<5.0	<5.0	<5.0	<5.0	<25
03/31/97	35.50	25.38	10.12	--	200	<0.5	0.66	<0.5	<0.5	<2.5
09/12/97	35.50	24.58	10.92	--	390	<0.5	<0.5	0.75	0.65	<2.5
02/19/98	35.50	27.60	7.90	--	230	<0.5	<0.5	<0.5	<0.5	<2.5
08/19/98	35.50	25.25	10.25	--	440	<0.5	<0.5	<0.5	<0.5	<2.5
MW-8										
09/25/95	35.84	22.92	12.92	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/19/95	35.84	22.48	13.36	--	<50	<0.5	<0.5	<0.5	<0.5	91
02/29/96	35.84	25.24	10.60	Sampled biannually	<50	<0.5	<0.5	<0.5	<0.5	76
09/03/96	35.84	23.23	12.61	--	<50	<0.5	<0.5	<0.5	<0.5	45
03/31/97	35.84	24.80	11.04	--	<50	<0.5	<0.5	<0.5	<0.5	31
09/12/97	35.84	23.97	11.87	--	<50	<0.5	<0.5	<0.5	<0.5	39
02/19/98	35.84	26.84	9.00	--	<50	<0.5	<0.5	<0.5	<0.5	23
08/19/98	35.84	24.64	11.20	--	<50	<0.5	<0.5	<0.5	7.4	<2.5

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE
TRIP BLANK										
06/04/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/23/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/29/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/19/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
07/02/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
09/22/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/01/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/10/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/12/94		--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/17/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/01/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
11/28/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/14/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/28/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/25/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/19/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
02/29/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/03/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/31/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/12/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/19/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
08/19/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5

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
MTBE = Methyl t-butyl Ether

Analytical Appendix

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Chevron 9-2384, San Lorenzo	Sampled: 08/19/98
1680 Rogers Avenue	Sample Descript: MW6	Received: 08/20/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/26/98
Attention: Fran Thie	Lab Number: 9808C60-01	Reported: 08/31/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**50**	**240**
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Unidentified HC		**>C10**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	87

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

SEQUOIA ANALYTICAL - ELAP #1849

Mike Gregory
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Chevron 9-2384, San Lorenzo	Sampled: 08/19/98
1680 Rogers Avenue	Sample Descript: MW7	Received: 08/20/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/26/98
Attention: Fran Thie	Lab Number: 9808C60-02	Reported: 08/31/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**50**	**440**
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		
Unidentified HC		**>C10**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	73

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

SEQUOIA ANALYTICAL - ELAP #1849

Mike Gregory
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Chevron 9-2384, San Lorenzo	Sampled: 08/19/98
1680 Rogers Avenue	Sample Descript: MW8	Received: 08/20/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/26/98
Attention: Fran Thie	Lab Number: 9808C60-03	Reported: 08/31/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	**0.50**	**7.4**
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	90

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

SEQUOIA ANALYTICAL - ELAP #1849

Mike Gregory
Project Manager

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Blaine Tech Services	Client Proj. ID: Chevron 9-2384, San Lorenzo	Sampled: 08/19/98
1680 Rogers Avenue	Sample Descript: TB	Received: 08/20/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/26/98
Attention: Fran Thie	Lab Number: 9808C60-04	Reported: 08/31/98

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

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

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	97

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

SEQUOIA ANALYTICAL - ELAP #1849

Mike Gregory
Project Manager

Sequoia Analytical

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

Client Project ID: Chevron 9-2384, San Lorenzo
Matrix: Liquid
Work Order #: 9808C60 -01-04
Reported: Sep 10, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	08V8456	08V8456	08V8456	08V8456
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	L. Hall	L. Hall	L. Hall	L. Hall
LCS/LCSD #:	8080215	8080215	8080215	8080215
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	8/26/98	8/26/98	8/26/98	8/26/98
Analyzed Date:	8/26/98	8/26/98	8/26/98	8/26/98
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	20 µg/L
Result:	23	23	23	23
LCS % Recovery:	120	120	120	120
Dup. Result:	24	23	24	23
LCSD % Recov.:	120	120	120	120
RPD:	4.3	0.0	4.3	0.0
RPD Limit:	0-30	0-30	0-30	0-30
MS/MSD LCS Control Limits	80-120	80-120	80-120	80-120

SEQUOIA ANALYTICAL
Elap #1849

Mike Gregory
Project Manager

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

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

Sequoia Analytical

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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Chevron 9-2384, San Lorenzo	Received: 08/20/98
1680 Rogers Avenue		
San Jose, CA 95112	Lab Proj. ID: 9808C60	Reported: 08/31/98
Attention: Fran Thie		

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 7 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL

Mike Gregory
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: 9-2384
Facility Address: 15526 Hesperian Blvd., San Lorenzo
Consultant Project Number: 980819-R2
Consultant Name: Blaine Tech Services, Inc.
Address: 1680 Rogers Ave., San Jose, CA 95112
Project Contact (Name): Fran Thie
(Phone) (408)573-0555 (Fax Number) (408)573-7771

Chevron Contact (Name): Tammy Hodge
(Phone): (510) 842-9449
Laboratory Name: Sequoia
Laboratory Release Number: 9021854
Samples Collected by (Name): Chris LaPlante
Collection Date: 9-19-98
Signature: Chris LaPlante

980819C60

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)	BTEX + TPH GAS (8020 + 8015) MTBE	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)					DO NOT BILL FOR TB-LB Remarks
mw6	1	3	W	D	16:15	HCL	YES	X												
~~mw7~~ DUP	2	1			16:10			X												
mw8	3				15:40			X												
TB	4	2						X												

Analyses To Be Performed

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Chris LaPlante	BTS	8/20/98 10:25	[illegible]	Sequoia	8/20/98 10:25
[illegible]		8/20/98			
			Received for Laboratory By (Signature)		Date/Time 8/20/98 13:43

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

Field Data Sheets

WELL GAUGING DATA

Project # 980819-R2 Date 8-19-98 Client Chevron

Site 15526 Hesperian Blvd. San Lorenzo, 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	
MW5	2					10.25	20.35	TOC	
MW6	2					12.22	21.85		
MW7	2					10.25	21.80		
MW8	2					11.20	20.45		

CHEVRON WELL MONITORING DATA SHEET

Project #: 980819-RZ	Station #: 9-2384
Sampler: Chris	Date: 8-19-98
Well I.D.: MW6	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 12.85	Depth to Water: 12.22
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	radius² * 0.163

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

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

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

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
		NO	Purge		
			Just Sampled	took 1 parameter	
16:13	68.6	7.1	1000		cloudy Black sediment

Did well dewater? (Yes) (NO)		Gallons actually evacuated:	
Sampling Time: 16:15		Sampling Date: 8-19-98	
Sample I.D.: MW6		Laboratory: (Sequoia) GTEL N. Creek Assoc. Labs	
Analyzed for: (TPH-G BTEX MTBE) TPH-D		Other:	
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D		Other:
D.O. (if req'd):	Pre-purge: ___ mg/L	Post-purge:	___ mg/L
O.R.P. (if req'd):	Pre-purge: ___ mV	Post-purge:	___ mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 980819-R2	Station #: 9-2384
Sampler: Chris	Date: 8-19-98
Well I.D.: MW7	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 21.80	Depth to Water: 10.25
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: Teflon Bailer
Disposable Bailer
Middleburg
Electric Submersible
Extraction Pump
Other: _____

Sampling Method: Bailer
~~Disposable Bailer~~
Extraction Port
Other: _____

1.8 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 5.4 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
15:56	66.8	7.1	1000	2	clear
16:02	66.8	7.1	1000	4	
16:06	67.0	7.0	1000	6	

Did well dewater? Yes (No)		Gallons actually evacuated: 6	
Sampling Time: 16:10		Sampling Date: 8-19-98	
Sample I.D.: MW7		Laboratory: (Sequoia) GTEL N. Creek Assoc. Labs	
Analyzed for: TPH-G (BTEX) (MTBE) TPH-D		Other:	
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D	Other:	
D.O. (if req'd):	Pre-purge: ____ mg/L	Post-purge: ____	mg/L
O.R.P. (if req'd):	Pre-purge: ____ mV	Post-purge: ____	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 980819-R2	Station #: 9-2384
Sampler: Chris	Date: 8-19-98
Well I.D.: MW8	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 20.45	Depth to Water: 11.20
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: Teflon Bailer; Disposable Bailer; Middleburg; Electric Submersible; Extraction Pump; Other: ____

Sampling Method: Bailer; ~~Disposable Bailer~~; Extraction Port; Other: ____

1.5	x	3	=	4.5 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
15:27	70.2	6.8	1000	1.5	Clear
15:35	69.0	6.9	1000	3	
15:38	68.8	7.0	1000	4.5	

Did well dewater? Yes (No)		Gallons actually evacuated: 4.5	
Sampling Time: 15:40		Sampling Date: 8-19-98	
Sample I.D.: MW8		Laboratory: ~~Sequoia~~ GTEL N. Creek Assoc. Labs	
Analyzed for: ~~TPH-G~~ BTEX MTBE TPH-D		Other:	
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D	Other:	
D.O. (if req'd):	Pre-purge: ____ mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge: ____ mV	Post-purge:	mV