Chevron

Chevron

December 26, 1995

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

Mark A. Miller
SAR Engineer
Phone No. 510 842-8134
Fax No. 510 842-8252

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

Re: Former Chevron Service Station #9-2384
15526 Hesperian Boulevard, San Lorenzo, CA

Dear Ms. Leech:

Enclosed is the Third Quarter 1995 Groundwater Monitoring Report dated November 9, 1995, prepared by our consultant Blaine Tech Services, Inc. for the above referenced site. As indicated in the report, ground water samples collected were analyzed for total petroleum hydrocarbons as gasoline (TPH-G) and BTEX. Dissolved concentrations of these constituents observed during the past quarter are consistent with historical results. Depth to ground water was measured at approximately 12.0 to 12.9 feet below grade and the direction of flow is to the west.

The enclosed report also includes ground water sampling data from newly installed wells MW-7 and MW-8. It appears that the extent of the dissolved hydrocarbon plume has been defined and monitoring frequency reductions as previously discussed in our June 15, 1995, letter are appropriate. Wells MW-6, MW-7, and MW-8 will be monitored and sampled semiannually and well MW-5 will be monitored and sampled annually. The monitoring frequency will be adjusted if necessary should concentrations in these wells not remain statistically consistent with historical results. **We would appreciate your formal concurrence with this plan.**

If you have any question or comments, please feel free to contact me at (510) 842-8134.

Sincerely,
CHEVRON U.S.A. PRODUCTS COMPANY

Mark A. Miller
Site Assessment and Remediation Engineer

Enclosure

cc: Ms. B.C. Owen

Mr. Andy On
Insta-Lube
736 West MacArthur Boulevard
Oakland, CA 94609

BLAINE
TECH SERVICES INC.

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

November 9, 1995

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

3rd Quarter 1995 Monitoring at 9-2384

Third Quarter 1995 Groundwater Monitoring at
Chevron Service Station Number 9-2384
15526 Hesperian Blvd.
San Lorenzo, CA

Monitoring Performed on September 25, 1995

Groundwater Sampling Report **950925-A-2**

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

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

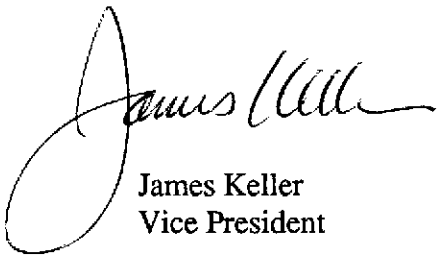
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS.** The full analytical report for the most recent samples is located in the **Analytical Appendix.** The table also contains new groundwater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

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

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

Please call if you have any questions.

Yours truly,

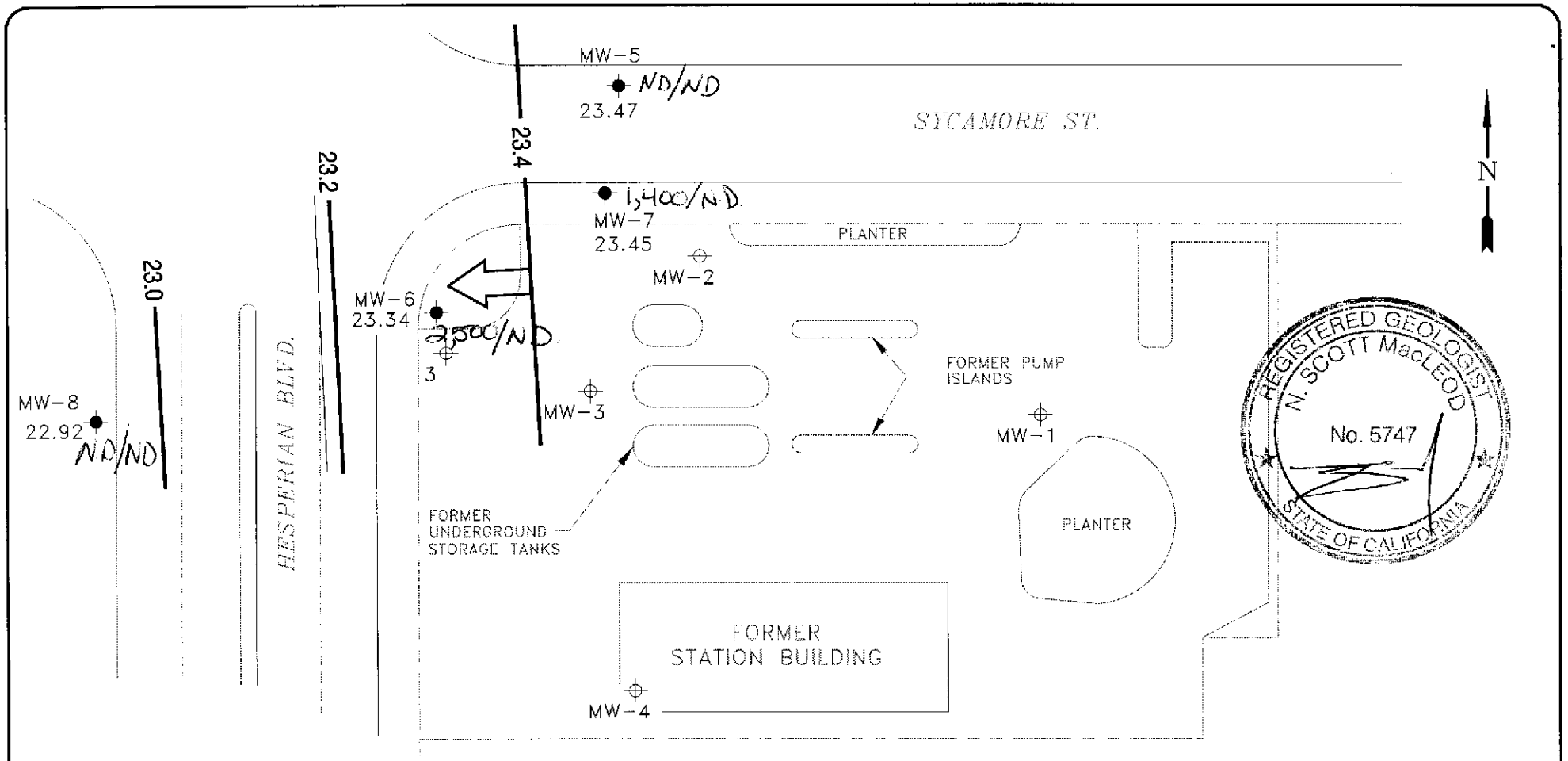


James Keller
Vice President

JPK/dk

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

Professional Engineering Appendix



Base map from Groundwater Technology, Inc.

CAMBRIA
Environmental Technology, Inc.

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

\CHEVRON\9-2384\2385-QM.DWG

Ground Water Elevation

September 25, 1995

FIGURE
1

Table of
Well Data and
Analytical Results

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
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
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
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
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
MW-7									
09/25/95	35.50	23.45	12.05	--	1400	<2.5	<2.5	<2.5	<2.5
MW-8									
09/25/95	35.84	22.92	12.92	--	<50	<0.5	<0.5	<0.5	<0.5

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene
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

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

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Technical Services	Client Proj. ID: Chevron 9-2384, 950925-A2	Sampled: 09/25/95
985 Timothy Drive	Sample Descript: MW-5	Received: 09/26/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 09/28/95
Attention: Jim Keller	Lab Number: 9509G53-01	Reported: 10/04/95

QC Batch Number: GC092895BTEX02A
Instrument ID: GCHP02

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	84

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Technical Services	Client Proj. ID: Chevron 9-2384, 950925-A2	Sampled: 09/25/95
985 Timothy Drive	Sample Descript: MW-6	Received: 09/26/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 09/28/95
Attention: Jim Keller	Lab Number: 9509G53-02	Reported: 10/04/95

QC Batch Number: GC092895BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**500**	**2500**
Benzene	5.0	N.D.
Toluene	5.0	N.D.
Ethyl Benzene	**5.0**	**25**
Xylenes (Total)	**5.0**	**25**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	81

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Technical Services	Client Proj. ID: Chevron 9-2384, 950925-A2	Sampled: 09/25/95
985 Timothy Drive	Sample Descript: MW-7	Received: 09/26/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 09/28/95
Attention: Jim Keller	Lab Number: 9509G53-03	Reported: 10/04/95

QC Batch Number: GC092895BTEX21A
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**250**	**1400**
Benzene	2.5	N.D.
Toluene	2.5	N.D.
Ethyl Benzene	2.5	N.D.
Xylenes (Total)	2.5	N.D.
Chromatogram Pattern:		
Weathered Gas		**C10-C12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	72

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Technical Services	Client Proj. ID: Chevron 9-2384, 950925-A2	Sampled: 09/25/95
985 Timothy Drive	Sample Descript: MW-8	Received: 09/26/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 09/30/95
Attention: Jim Keller	Lab Number: 9509G53-04	Reported: 10/04/95

QC Batch Number: GC093095BTEX17A
Instrument ID: GCHP17

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	100

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Technical Services	Client Proj. ID: Chevron 9-2384, 950925-A2	Sampled: 09/25/95
985 Timothy Drive	Sample Descript: TB	Received: 09/26/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 09/28/95
Attention: Jim Keller	Lab Number: 9509G53-05	Reported: 10/04/95

QC Batch Number: GC092895BTEX02A
Instrument ID: GCHP02

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	80

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

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

Client Proj. ID: Chevron 9-2384, 950925-A2

Lab Proj. ID: 9509G53

Received: 09/26/95

Reported: 10/04/95

LABORATORY NARRATIVE

TPPH Note: Sample 9509G53-02 was diluted 10-fold.
Sample 9509G53-03 was diluted 5-fold.

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

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

Client Project ID: Chevron 9-2384, 950925-A2
Matrix: Liquid
Work Order #: 9509G53 -01, 02, 05

Reported: Oct 10, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC092895BTEX02A	GC092895BTEX02A	GC092895BTEX02A	GC092895BTEX02A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Woo	J. Woo	J. Woo	J. Woo
MS/MSD #:	9509A6110	9509A6110	9509A6110	9509A6110
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/28/95	9/28/95	9/28/95	9/28/95
Analyzed Date:	9/28/95	9/28/95	9/28/95	9/28/95
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.7	9.8	9.4	28
MS % Recovery:	97	98	94	93
Dup. Result:	9.4	9.5	9.3	28
MSD % Recov.:	94	95	93	93
RPD:	3.1	3.1	1.1	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

Peggy Penner
Project Manager

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

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

Client Project ID: Chevron 9-2384, 950925-A2
Matrix: Liquid
Work Order #: 9509G53-03

Reported: Oct 10, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC092895BTEX21A	GC092895BTEX21A	GC092895BTEX21A	GC092895BTEX21A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Woo	J. Woo	J. Woo	J. Woo
MS/MSD #:	9509A6110	9509A6110	9509A6110	9509A6110
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/28/95	9/28/95	9/28/95	9/28/95
Analyzed Date:	9/28/95	9/28/95	9/28/95	9/28/95
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.2	9.3	9.3	28
MS % Recovery:	92	93	93	93
Dup. Result:	9.9	10	10	30
MSD % Recov.:	99	100	100	100
RPD:	7.3	7.3	7.3	6.9
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

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

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

Client Project ID: Chevron 9-2384, 950925-A2
Matrix: Liquid
Work Order #: 9509G53-04

Reported: Oct 10, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC093095BTEX17A	GC093095BTEX17A	GC093095BTEX17A	GC093095BTEX17A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	R. Vincent	R. Vincent	R. Vincent	R. Vincent
MS/MSD #:	9509C0004	9509C0004	9509C0004	9509C0004
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/30/95	9/30/95	9/30/95	9/30/95
Analyzed Date:	9/30/95	9/30/95	9/30/95	9/30/95
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	11	11	10	32
MS % Recovery:	110	110	100	107
Dup. Result:	10	9.9	9.9	30
MSD % Recov.:	100	99	99	100
RPD:	9.5	11	1.0	6.5
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:
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SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

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

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 950925-A2
Consultant Name Blaine Tech Services, Inc.
Address 985 Timothy Dr., San Jose, CA 95133
Project Contact (Name) Jim Keller
(Phone) 408 995-5535 (Fax Number) 408 293-8773

Chevron Contact (Name) Mark Miller
(Phone) (510) 842-8134
Laboratory Name Sequoia
Laboratory Release Number 2172510
Samples Collected by (Name) RANDY VALENTINE
Collection Date 9-25-95
Signature Randy Valentine

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + TPH GAS (8020 + 8015)	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)						
MW5		3	W	G	1445	HCl	Y	X													1
MW6		3	W	G	1410	HCl	Y	X													2
MW7		3	W	G	1430	HCl	Y	X													3
MW8		3	W	G	1510	HCl	Y	X													4
TB		2	W	G	—	HCl	Y	X													5

Analyses To Be Performed

DO NOT BILL
FOR TB-LB
9509653

Remarks

SEP 26 12:37

	Organization	Date/Time		Organization	Date/Time
Relinquished By (Signature) Randy Valentine	BTS	9-26-95 10:45 AM	Received By (Signature) SR	SEQ	9-26-95 10:45 A
Relinquished By (Signature) SR	SEQ	9-26-95 12:30	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) Tony McMahon		Date/Time 12:36 9/26/95

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

Field
Data
Sheets

WELL GAUGING DATA

Project # 950925-A2 Date 9-25-95 Client CHEVRON 9-2384

Site 15526 HESPERIAN BLVD., SAN LORENZO

Well I.D.	Well Size (in.)	Sheen/ Odor	Depth to Immiscible Liquid (feet)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to Water (feet)	Depth to Well Bottom (feet)	Survey Point: TOB or TOC
MW5	2					12.03	20.63	TOC
MW6	2					12.67	24.56	
MW7	2					12.05	21.73	
MW8	2					12.92	20.34	

CHEVRON WELL MONITORING DATA SHEET

Project #: 950925-A2	Station #: 9-2384
Sampler: RV	Start Date: 9-25-95
Well I.D.: MW5	Well Diameter: (circle one) (2) 3 4 6 ____
Total Well Depth: Before 20.63 After	Depth to Water: Before 12.03 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

1.3 (1 Case Volume) x 3 (Specified Volumes) = 3.9 gallons

Purging: Bailer
Disposable Bailer ✓
Middleburg
Electric Submersible
Extraction Pump
Other_____

Sampling: Bailer
Disposable Bailer ✓
Extraction Port
Other_____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1438	64.6	7.0	1000	—	1.5	
1441	64.0	7.2	1000	—	3.0	
1443	63.8	7.1	1000	—	4.0	

Did Well Dewater? N If yes, gals. Gallons Actually Evacuated: 4.0

Sampling Time: 1445 Sampling Date: 9-25-95

Sample I.D.: MW5 Laboratory: SEQ

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

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

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

CHEVRON WELL MONITORING DATA SHEET

Project #: 950925-A2	Station #: 9-2384
Sampler: RV	Start Date: 9-25-95
Well I.D.: MW6	Well Diameter: (circle one) (2) 3 4 6 ____
Total Well Depth: Before 24.56 After	Depth to Water: Before 12.67 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

1.9	x	3	=	5.7
1 Case Volume		Specified Volumes		gallons

Purging: Bailer
Disposable Bailer ✓
Middleburg
Electric Submersible
Extraction Pump
Other_____

Sampling: Bailer
Disposable Bailer ✓
Extraction Port
Other_____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1401	62.8	6.7	940	—	2.0	ODOR
1404	61.6	7.0	1000	—	4.0	
1407	61.2	7.0	1000	—	6.0	

Did Well Dewater? N If yes, gals. Gallons Actually Evacuated: 6.0

Sampling Time: 1410 Sampling Date: 9-25-95

Sample I.D.: MW6 Laboratory: SEQ

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

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

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

CHEVRON WELL MONITORING DATA SHEET

Project #: 950925-A2	Station #: 9-2384
Sampler: RV	Start Date: 9-25-95
Well I.D.: MW7	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 21.73 After	Depth to Water: Before 12.05 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

1 Case Volume	x	Specified Volumes	=	gallons
1.5	x	3	=	4.5

Purging: Bailer
Disposable Bailer ✓
Middleburg
Electric Submersible
Extraction Pump
Other_____

Sampling: Bailer
Disposable Bailer ___
Extraction Port
Other_____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1418	62.8	6.9	1400	—	1.5	
1421	62.0	7.2	1400	—	3.0	
1423	62.2	7.1	1400	—	4.5	

Did Well Dewater? N If yes, gals. Gallons Actually Evacuated: 4.5

Sampling Time: 1430 Sampling Date: 9-25-95

Sample I.D.: MW7 Laboratory: SEQ

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

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

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

CHEVRON WELL MONITORING DATA SHEET

Project #: 950925-AR	Station #: 9-2384
Sampler: RV	Start Date: 9-25-95
Well I.D.: MW8	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 20.34 After	Depth to Water: Before 12.92 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

1.2	x	3	=	3.6
1 Case Volume		Specified Volumes		gallons

Purging: Bailer
Disposable Bailer ✓
Middleburg
Electric Submersible
Extraction Pump
Other_____

Sampling: Bailer
Disposable Bailer ✓
Extraction Port
Other_____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1459	63.2	6.8	1500	—	1.5	
1502	63.4	7.1	1500	—	3.0	
1504	63.2	7.1	1500	—	4.0	

Did Well Dewater? N If yes, gals. Gallons Actually Evacuated: 4.0

Sampling Time: 1510	Sampling Date: 9-25-95
Sample I.D.: MW8	Laboratory: SEQ
Analyzed for: (TPH-G) (BTEX) TPH-D OTHER:	
Duplicate I.D.:	Cleaning Blank I.D.:
Analyzed for: TPH-G BTEX TPH-D OTHER:	