

ENVIRONMENTAL
PROTECTION



Chevron

95 AUG -7 PM 3:46

August 4, 1995

STTD 401

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

Marketing - Northwest Region
Phone 510 842 9500

Dr. Ravi Arulanantham
RWQCB-San Francisco Bay Region
2101 Webster St., Suite 500
Oakland, CA 94612

Re: Former Chevron Service Station 9-3864
5101 Telegraph Ave., Oakland, California

Dear Mr. Arulanantham:

The enclosed report dated July 31, 1995 documents the monitoring and sampling event that occurred on June 24, 1995. Results show concentrations of total petroleum hydrocarbons as gasoline, benzene, toluene, ethylbenzene, and xylene that are relatively consistent with the historical trend. The only exception is MW-4 which had non-detectable levels of benzene, toluene, and xylene. However, the detection limit was raised to 20 ppb.

In my last correspondence, your office was informed of our difficulty in gaining information as well as access to the property across 51st street. In addition, Chevron still has not heard from Alameda County Environmental Health concerning information pertaining to the site. Until Chevron receives assistance from the regulatory agencies or is no longer required to investigate this matter, Chevron will not be able to conduct the additional investigation. When considering there was a former service station beneath 51st street, Chevron should not have to investigate this matter.

In regards to the development of the site, Chevron will assist the property owner by providing information (environmental) relating to the previous investigations at the site. Based on a newspaper article sometime ago, there were plans to develop the site.

Please refer to the enclosed report for the latest information on the groundwater. If you have any questions or comments, please feel free to give me a call at (510) 842-8752.

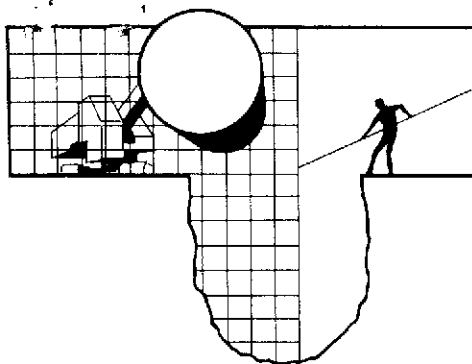
Sincerely,
Chevron U.S.A. Products Co.

Kenneth Kan
Engineer

LKAN/93864R01

cc: Ms. Susan Hugo, Alameda Co. Dept. of Environmental Health
1131 Harbor Bay Pkwy, 2nd Floor, Alameda, CA 94502-6577

Ms. Bette Owen, Chevron U.S.A. Products Co.



BLAINE TECH SERVICES INC.

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

July 31, 1995

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

95 AUG -7 PM 3:46
ENVIRONMENTAL
PROFESSIONAL

2nd Quarter 1995 Monitoring at 9-3864

Second Quarter 1995 Groundwater Monitoring at
Chevron Service Station Number 9-3864
5101 Telegraph Avenue
Oakland, CA

Monitoring Performed on June 24, 1995

Groundwater Sampling Report 950624-V-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.

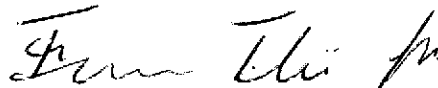
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**. The table also contains new groundwater 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,

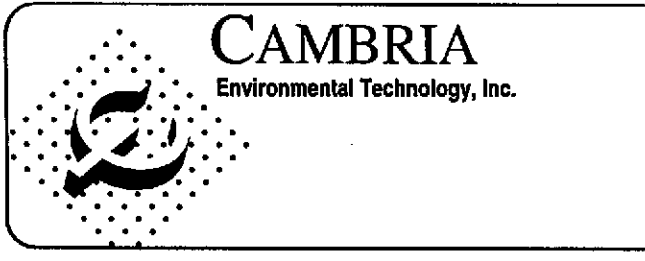
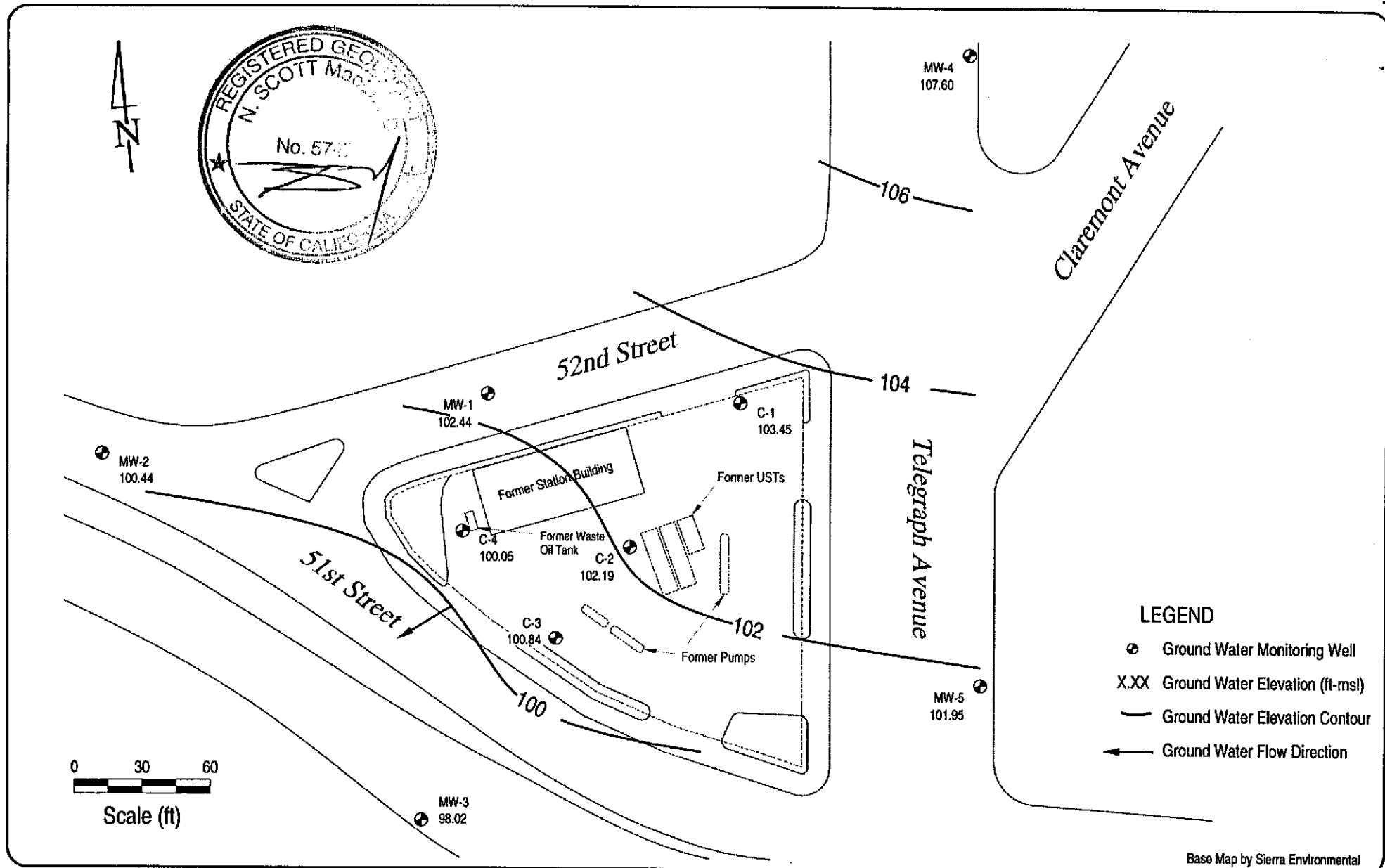
A handwritten signature in cursive script, appearing to read "James Keller".

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



Former Chevron Station 9-3864
5101 Telegraph Avenue
Oakland, California

F:\PROJECT\CHEVRON\9-3864\3864-QM.DWG

Ground Water Elevation
June 24, 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
C-1									
12/06/90	117.45	102.11	15.34	--	1900	17	11	3.0	21
06/06/91	117.45	102.83	14.62	--	3400	21	15	11	18
12/04/91	117.45	102.97	14.48	--	2700	22	16	13	23
06/02/92	117.45	102.92	14.53	--	1900	170	170	13	83
09/16/92	117.45	102.52	14.93	--	810	5.8	5.7	2.0	6.3
12/21/92	117.45	103.72	13.73	--	75	2.4	2.9	1.4	4.7
03/11/93	117.45	103.62	13.83	--	150	2.4	20	3.3	23
06/11/93	117.45	103.26	14.19	--	400	4.3	2.3	1.0	3.5
09/13/93	117.45	102.85	14.60	--	4100	62	43	34	57
12/14/93	117.45	103.67	13.78	--	3100	9.5	4.5	1.2	11
03/16/94	117.45	103.44	14.01	--	410	6.3	3.1	1.3	4.5
06/17/94	117.45	102.90	14.55	--	3700	100	42	30	91
08/29/94	117.45	102.96	14.49	--	2600	15	<0.5	6.7	9.7
12/06/94	117.45	104.04	13.41	--	510	2.0	2.2	1.7	9.4
03/31/95	117.45	105.33	12.12	--	5440	9.0	2.3	2.0	3.6
06/24/95	117.45	103.45	14.00	--	260	5.8	1.0	0.94	0.88

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
C-2									
12/06/90	116.16	100.82	15.34	--	210	140	9.0	2.0	11
06/06/91	116.16	101.54	14.62	--	4800	340	23	19	23
12/04/91	116.16	100.73	15.43	--	3900	85	15	9.1	15
06/02/92	116.16	101.74	14.42	--	3300	76	9.2	14	15
09/16/92	116.16	101.35	14.81	--	3000	16	15	3.4	7.5
12/21/92	116.16	102.79	13.37	--	2200	21	12	7.1	15
03/11/93	116.16	102.69	13.47	--	2200	33	24	12	25
06/11/93	116.16	102.18	13.98	--	2600	21	25	11	26
09/13/93	116.16	101.61	14.55	--	2100	31	25	18	39
12/14/93	116.16	102.46	13.70	--	3800	<2.5	24	12	20
03/16/94	116.16	102.51	13.65	--	2600	12	15	10	17
06/17/94	116.16	102.87	13.29	--	2400	17	19	28	71
08/29/94	116.16	111.60	4.56	--	3000	29	15	20	4.2
12/06/94	116.16	102.98	13.18	--	1900	7.9	30	14	31
03/31/95	116.16	104.10	12.06	--	890	<1.3	<1.3	2.6	<1.3
06/24/95	116.16	102.19	13.97	--	730	4.8	<0.5	5.4	0.96

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
C-3									
12/06/90	115.70	98.84	16.86	--	210	2.0	<0.5	<0.5	1.0
12/06/90	115.70	--	--	Duplicate	220	2.0	0.6	<0.5	2.0
06/06/91	115.70	100.01	15.69	--	6400	310	21	16	21
09/16/92	115.70	99.81	15.89	--	7100	130	26	12	30
12/04/91	115.70	100.32	15.38	--	5100	120	18	17	20
06/02/92	115.70	100.30	15.40	--	6700	140	44	17	37
12/21/92	115.70	101.79	13.91	--	13,000	390	360	100	410
03/11/93	115.70	101.95	13.75	--	5100	86	20	12	23
06/11/93	115.70	101.03	14.67	--	7200	91	38	19	38
09/13/93	115.70	100.17	15.53	--	6800	100	52	41	75
12/14/93	115.70	101.30	14.40	--	8600	74	23	18	36
03/16/94	115.70	101.44	14.26	--	6000	100	42	27	30
06/17/94	115.70	100.60	15.10	--	15,000	170	120	120	270
08/29/94	115.70	100.30	15.40	--	26,000	51	<0.5	58	107
12/06/94	115.70	101.90	13.80	--	34,000	88	140	98	390
03/31/95	115.70	102.91	12.79	--	2800	42	<5.0	<5.0	6.6
06/24/95	115.70	100.84	14.86	--	5200	34	<10	<10	13

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
C-4									
12/06/90	116.10	98.42	17.68	--	<50	<0.5	<0.5	<0.5	<0.5
12/18/90	116.10	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
06/06/91	116.10	99.61	16.49	--	<50	1.0	1.0	<0.5	0.7
12/04/91	116.10	99.28	16.82	--	70	6.5	9.8	1.7	8.6
06/02/92	116.10	99.18	16.92	--	70	3.0	4.4	1.8	9.0
09/16/92	116.10	98.39	17.71	--	<50	1.4	1.8	<0.5	1.1
12/21/92	116.10	100.74	15.36	--	<50	0.6	0.7	<0.5	1.5
03/11/93	116.10	100.61	15.49	--	<50	<0.5	<0.5	<0.5	<1.5
06/11/93	116.10	99.83	16.27	--	52	0.9	3.1	0.7	3.8
09/13/93	116.10	98.92	17.18	--	64	0.9	1.0	<0.5	1.7
12/14/93	116.10	101.03	15.07	--	<50	<0.5	0.8	<0.5	0.7
03/16/94	116.10	100.19	15.91	--	<50	<0.5	1.0	<0.5	0.8
06/17/94	116.10	99.46	16.64	--	230	0.6	2.2	2.2	11
08/29/94	116.10	99.05	17.05	--	<50	<0.5	<0.5	<0.5	<0.5
12/06/94	116.10	101.52	14.58	--	<50	<0.5	<0.5	<0.5	<0.5
03/31/95	116.10	102.26	13.84	--	<50	<0.5	<0.5	<0.5	<0.5
06/24/95	116.10	100.05	16.05	--	<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
MW-1									
09/20/93	115.05	102.37	12.68	--	<50	<0.5	<0.5	<0.5	<1.5
12/14/93	115.05	105.01	10.04	--	<50	<0.5	<0.5	<0.5	<0.5
03/16/94	115.05	103.10	11.95	--	<50	<0.5	1.7	<0.5	2.1
06/17/94	115.05	102.51	12.54	--	350	1.2	3.7	2.0	12
08/29/94	115.05	101.98	13.07	--	<50	<0.5	<0.5	<0.5	<0.5
12/06/94	115.05	104.45	10.60	--	140	0.9	2.8	1.1	4.2
03/31/95	115.05	104.74	10.31	--	<50	<0.5	<0.5	<0.5	<0.5
06/24/95	115.05	102.44	12.61	--	<50	<0.5	<0.5	<0.5	<0.5
MW-2									
09/20/93	112.08	99.93	12.15	--	<50	<0.5	<0.5	<0.5	<1.5
12/14/93	112.08	97.36	14.72	--	<50	<0.5	<0.5	<0.5	<0.5
03/16/94	112.08	100.92	11.16	--	<50	<0.5	1.1	<0.5	0.9
06/17/94	112.08	100.41	11.67	--	330	1.4	3.3	1.9	11
08/29/94	112.08	100.08	12.00	--	<50	<0.5	<0.5	<0.5	<0.5
12/06/94	112.08	102.57	9.51	--	<50	<0.5	<0.5	<0.5	<0.5
03/31/95	112.08	103.24	8.84	--	<50	<0.5	<0.5	<0.5	<0.5
06/24/95	112.08	100.44	11.64	--	<50	<0.5	<0.5	<0.5	<0.5
MW-3									
09/20/93	113.67	97.25	16.42	--	6600	400	11	32	23
12/14/93	113.67	98.95	14.72	--	8400	390	9.4	13	<2.5
03/16/94	113.67	98.45	15.22	--	6900	260	30	32	27
06/17/94	113.67	97.62	16.05	--	10,000	190	61	58	190
08/29/94	113.67	97.44	16.23	--	7200	74	9.8	26	24
12/06/94	113.67	99.35	14.32	--	13,000	610	86	88	140
03/31/95	113.67	99.98	13.69	--	4300	120	<10	12	<10
06/24/95	113.67	98.02	15.65	--	6200	210	24	29	12

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-4									
09/20/93	118.10	107.17	10.93	--	5800	16	4.2	35	48
12/14/93	118.10	108.33	9.77	--	7100	19	6.5	24	35
03/16/94	118.10	107.99	10.11	--	8500	83	43	60	70
06/17/94	118.10	107.20	10.90	--	21,000	150	20	140	350
08/29/94	118.10	107.28	10.82	--	10,000	86	71	44	85
12/06/94	118.10	108.70	9.40	--	13,000	68	56	67	110
03/31/95	118.10	109.31	8.79	--	6700	100	9.4	26	23
06/24/95	118.10	107.60	10.50	--	6300	<20	<20	<20	24
MW-5									
09/20/93	116.74	101.43	15.31	--	590	25	1.8	0.6	2.0
12/14/93	116.74	102.19	14.55	--	210	11	6.3	2.3	6.1
03/16/94	116.74	101.77	14.97	--	270	12	16	4.8	17
06/17/94	116.74	101.36	15.38	--	220	24	17	6.7	28
08/29/94	116.74	101.54	15.20	--	1000	<0.5	<0.5	<0.5	<0.5
12/06/94	116.74	102.09	14.65	--	110	9.2	9.7	2.2	11
03/31/95	116.74	103.04	13.70	--	<50	<0.5	<0.5	<0.5	<0.5
06/24/95	116.74	101.95	14.79	--	<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									
12/06/90	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
12/18/90	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
06/06/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
12/04/91	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
06/02/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
09/16/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
12/21/92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
03/11/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5
06/11/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5
09/13/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5
12/14/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
03/16/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
06/17/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
08/29/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
12/06/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
03/31/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5
06/24/95	--	--	--	--	<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 March 31, 1995. Earlier field data and analytical results provided by Sierra Environmental.

ABBREVIATIONS:

TPH = Total Petroleum Hydrocarbons

Analytical Appendix



Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-3864/950624-V-1 Sample Descript: C-1 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9506G44-01	Sampled: 06/24/95 Received: 06/26/95 Analyzed: 06/28/95 Reported: 06/30/95
--	---	---

QC Batch Number: GC062895BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	260
Benzene	0.50	5.8
Toluene	0.50	1.0
Ethyl Benzene	0.50	0.94
Xylenes (Total)	0.50	0.88
Chromatogram Pattern:		Gas
Unidentified HC		< C8
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	120

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-3864/950624-V-1 Sample Descript: C-2 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9506G44-02	Sampled: 06/24/95 Received: 06/26/95 Analyzed: 06/28/95 Reported: 06/30/95
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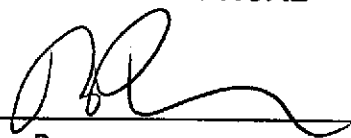
QC Batch Number: GC062895BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	730
Benzene	0.50	4.8
Toluene	0.50	N.D.
Ethyl Benzene	0.50	5.4
Xylenes (Total)	0.50	0.96
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	113

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

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Penner
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-3864/950624-V-1 Sample Descript: C-3 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9506G44-03	Sampled: 06/24/95 Received: 06/26/95 Analyzed: 06/28/95 Reported: 06/30/95
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QC Batch Number: GC062895BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	1000	5200
Benzene	10	34
Toluene	10	N.D.
Ethyl Benzene	10	N.D.
Xylenes (Total)	10	13
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	98

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-3864/950624-V-1 Sample Descript: C-4 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9506G44-04	Sampled: 06/24/95 Received: 06/26/95 Analyzed: 06/28/95 Reported: 06/30/95
Attention: Jim Keller		

QC Batch Number: GC062895BTEX21A
Instrument ID: GCHP21

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


Peggy Penner
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-3864/950624-V-1 Sample Descript: MW-1 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9506G44-05	Sampled: 06/24/95 Received: 06/26/95 Analyzed: 06/28/95 Reported: 06/30/95
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QC Batch Number: GC062895BTEX21A
Instrument ID: GCHP21

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	119

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

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Penner
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-3864/950624-V-1 Sample Descript: MW-2 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9506G44-06	Sampled: 06/24/95 Received: 06/26/95 Analyzed: 06/28/95 Reported: 06/30/95
Attention: Jim Keller		


QC Batch Number: GC062895BTEX21A
Instrument ID: GCHP21

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	116

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

SEQUOIA ANALYTICAL - ELAP #1210



Peggy Penner
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-3864/950624-V-1 Sample Descript: MW-3 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9506G44-07	Sampled: 06/24/95 Received: 06/26/95 Analyzed: 06/28/95 Reported: 06/30/95
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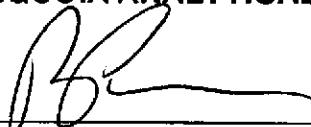
QC Batch Number: GC062895BTEX21A
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	1000	6200
Benzene	10	210
Toluene	10	24
Ethyl Benzene	10	29
Xylenes (Total)	10	12
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	210 Q

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

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Penner
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133	Client Proj. ID: Chevron 9-3864/950624-V-1 Sample Descript: MW-4 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9506G44-08	Sampled: 06/24/95 Received: 06/26/95 Analyzed: 06/29/95 Reported: 06/30/95
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QC Batch Number: GC062895BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	2000	6300
Benzene	20	N.D.
Toluene	20	N.D.
Ethyl Benzene	20	N.D.
Xylenes (Total)	20	24
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	68 Q

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager





Blaine Technical Services 985 Timothy Drive San Jose, CA 95133 Attention: Jim Keller	Client Proj. ID: Chevron 9-3864/950624-V-1 Sample Descript: MW-5 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9506G44-09	Sampled: 06/24/95 Received: 06/26/95 Analyzed: 06/27/95 Reported: 06/30/95
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QC Batch Number: GC062795BTEX20A
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:		N.D.
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	77

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager





Blaine Technical Services	Client Proj. ID: Chevron 9-3864/950624-V-1	Sampled: 06/24/95
985 Timothy Drive	Sample Descript: Trip Blank	Received: 06/26/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 06/27/95
Attention: Jim Keller	Lab Number: 9506G44-10	Reported: 06/30/95


QC Batch Number: GC062795BTEX03A
Instrument ID: GCHP03

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	97

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

SEQUOIA ANALYTICAL - ELAP #1210



Peggy Penner
Project Manager





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

Client Proj. ID: Chevron 9-3864/950624-V-1

Received: 06/26/95

Lab Proj. ID: 9506G44

Reported: 06/30/95

LABORATORY NARRATIVE

Q = Surrogate recovery out of range due to coelution.

TPPH Note: Sample 9506G44-03 was diluted 20-fold.
Sample 9506G44-07 was diluted 20-fold.
Sample 9506G44-08 was diluted 40-fold.

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager





Blaine Tech Services, Inc. 985 Timothy Drive San Jose, CA 95133 Attention: Jim Keller	Client Project ID: Chevron 9-3864, 950624-V-1 Matrix: Liquid	Work Order #: 9506G44 -01-02	Reported: Jul 6, 1995
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QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC062895BTEX03A	GC062895BTEX03A	GC062895BTEX03A	GC062895BTEX03A
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 #:	9506B5707	9506B5707	9506B5707	9506B5707
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/28/95	6/28/95	6/28/95	6/28/95
Analyzed Date:	6/28/95	6/28/95	6/28/95	6/28/95
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	11	11	11	33
MS % Recovery:	110	110	110	110
Dup. Result:	10	10	10	31
MSD % Recov.:	100	100	100	103
RPD:	9.5	9.5	9.5	6.3
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
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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
Peggy Penner
Project Manager

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

9506G44.BLA <1>





Blaine Tech Services, Inc. Client Project ID: Chevron 9-3864, 950624-V-1
 985 Timothy Drive Matrix: Liquid
 San Jose, CA 95133
 Attention: Jim Keller Work Order #: 9506G44-03, 08 Reported: Jul 6, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC062895BTEX02A	GC062895BTEX02A	GC062895BTEX02A	GC062895BTEX02A
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 #:	9506B5711	9506B5711	9506B5711	9506B5711
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/28/95	6/28/95	6/28/95	6/28/95
Analyzed Date:	6/28/95	6/28/95	6/28/95	6/28/95
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.3	9.2	9.3	27
MS % Recovery:	93	92	93	90
Dup. Result:	9.6	9.4	9.4	30
MSD % Recov.:	96	94	94	100
RPD:	3.2	2.2	1.1	11
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
 Peggy Penner
 Project Manager





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

Client Project ID: Chevron 9-3864, 950624-V-1
Matrix: Liquid

Work Order #: 9506G44-04-07

Reported: Jul 6, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC062895BTEX21A	GC062895BTEX21A	GC062895BTEX21A	GC062895BTEX21A
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 #:	9506B7707	9506B7707	9506B7707	9506B7707
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/28/95	6/28/95	6/28/95	6/28/95
Analyzed Date:	6/28/95	6/28/95	6/28/95	6/28/95
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	10	10	30
MS % Recovery:	100	100	100	100
Dup. Result:	8.8	8.7	8.8	27
MSD % Recov.:	88	87	88	90
RPD:	13	14	13	11
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
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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

Hollanthey
Peggy Penner
Project Manager

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

9506G44.BLA <3>





Blaine Tech Services, Inc. Client Project ID: Chevron 9-3864, 950624-V-1
 985 Timothy Drive Matrix: Liquid
 San Jose, CA 95133 Work Order #: 9506G44-09 Reported: Jul 6, 1995
 Attention: Jim Keller

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC062795BTEX20A	GC062795BTEX20A	GC062795BTEX20A	GC062795BTEX20A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	9506B5705	9506B5705	9506B5705	9506B5705
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/27/95	6/27/95	6/27/95	6/27/95
Analyzed Date:	6/27/95	6/27/95	6/27/95	6/27/95
Instrument I.D.#:	GCHP20	GCHP20	GCHP20	GCHP20
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.7	9.6	9.4	28
MS % Recovery:	97	96	94	93
Dup. Result:	8.9	8.9	8.7	26
MSD % Recov.:	89	89	87	87
RPD:	8.6	7.6	7.7	7.4
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
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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
Melle Anthony Fox
 Peggy Penner
 Project Manager





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

Client Project ID: Chevron 9-3864, 950624-V-1
Matrix: Liquid

Work Order #: 9506G44-10

Reported: Jul 6, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC062795BTEX03A	GC062795BTEX03A	GC062795BTEX03A	GC062795BTEX03A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	J. Minkel	J. Minkel	J. Minkel	J. Minkel
MS/MSD #:	9506B5703	9506B5703	9506B5703	9506B5703
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	6/27/95	6/27/95	6/27/95	6/27/95
Analyzed Date:	6/27/95	6/27/95	6/27/95	6/27/95
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	11	10	10	31
MS % Recovery:	110	100	100	103
Dup. Result:	11	11	10	31
MSD % Recov.:	110	110	100	103
RPD:	0.0	9.5	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	71-133	72-128	72-130	71-120
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

M. Penner FOR

Peggy Penner
Project Manager

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

9506G44.BLA <5>



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>9-3864</u> Facility Address <u>5101 Telegraph Ave., Oakland, CA</u>	Chevron Contact (Name) <u>Kenneth Kan</u> (Phone) <u>(510) 842-8752</u>
	Consultant Project Number <u>99624-V-1</u>	Laboratory Name <u>Sequoia</u>
	Consultant Name <u>Blaine Tech Services, Inc.</u> Address <u>985 Timothy Dr., San Jose, CA 95133</u>	Laboratory Release Number <u>2768051</u>
	Project Contact (Name) <u>Jim Keller</u> (Phone) <u>(408) 995-5535</u> (Fax Number) <u>293-8773</u>	Samples Collected by (Name) <u>F.A. VANDERBEEK</u> Collection Date <u>6-24-95</u> Signature <u>[Signature]</u>

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Diacryle	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed										DO NOT BILL FOR TB-LB.	Remarks
								BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Hydrocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)				
C-1		3	W	G	1249	HCL	Y											01 A-C	
C-2		3	W	G	1105													02	
C-3		3	W	G	1143	1143												03	
C-4		3	W	G	1036													04	
MW-1		3	W	G	0928													05	
MW-2		3	W	G	1008													06	
MW-3		3	W	G	1216													07	
MW-4		3	W	G	1325													08	
MW-5		3	W	G	1345													09	
Trips		2	W	-	0800													10 A, B	

Relinquished By (Signature) <u>[Signature]</u> Organization <u>BTS</u> Date/Time <u>6/21/95 10:25</u>	Received By (Signature) <u>[Signature]</u> Organization <u>Sequoia</u> Date/Time <u>6/21/95 10:25</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days <input checked="" type="radio"/> As Contracted
Relinquished By (Signature) <u>[Signature]</u> Organization <u>Sequoia</u> Date/Time <u>6/26/95</u>	Received By (Signature) <u>[Signature]</u> Organization <u>Sequoia</u> Date/Time <u>6/26/95 11:09</u>	
Relinquished By (Signature) _____ Organization _____ Date/Time _____	Received For Laboratory By (Signature) <u>[Signature]</u> Date/Time _____	

Field Data Sheets

CHEVRON WELL MONITORING DATA SHEET

Project #: 950624-V-1	Station #: 9-3864
Sampler: Fred	Start Date: 6-24-95
Well I.D.: C-1	Well Diameter: (circle one) <u>2</u> 3 4 6
Total Well Depth: Before 29.41 After	Depth to Water: Before 14.00 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>(PVC)</u>	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

<u>2.46</u>	x	<u>3</u>	=	<u>7.39</u>
1 Case Volume		Specified Volumes		gallons

Purging: Bailer <input checked="" type="checkbox"/> <i>Pluron Disp</i> Disposable Bailer Middleburg Electric Submersible Extraction Pump Other _____	Sampling: Bailer <input checked="" type="checkbox"/> Disposable Bailer Extraction Port Other _____
---	---

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1231	69.0	6.4	600	>200	2.5	
1235	68.0	6.8	600	>200	5.0	
1239	68.8	6.8	600	>200	7.5	

Did Well Dewater? <u>NO</u> If yes, gals.	Gallons Actually Evacuated: <u>7.5</u>
Sampling Time: <u>1249</u>	Sampling Date: <u>6-24-95</u>
Sample I.D.: <u>C-1</u>	Laboratory: <u>259</u>
Analyzed for: <u>(TPH-G BTEX)</u> TPH-D OTHER:	
Duplicate I.D.:	Cleaning Blank I.D.:
Analyzed for: TPH-G BTEX TPH-D OTHER:	

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950624-V-1</u>	Station #: <u>9-3864</u>
Sampler: <u>Fred</u>	Start Date: <u>6-24-95</u>
Well I.D.: <u>C-2</u>	Well Diameter: (circle one) <u>2</u> 3 4 6
Total Well Depth: Before <u>29.69</u> After	Depth to Water: Before <u>13.97</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>PVC</u>	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

<u>2.51</u>	\times	<u>3</u>	$=$	<u>7.54</u>
1 Case Volume		Specified Volumes		gallons

Purging: Bailer <u>chevron disp</u> Disposable Bailer Middleburg Electric Submersible Extraction Pump Other _____	Sampling: Bailer _____ Disposable Bailer Extraction Port Other _____
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TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1049</u>	<u>66.6</u>	<u>6.8</u>	<u>600</u>	<u>7200</u>	<u>2.5</u>	<u>order</u>
<u>1052</u>	<u>66.4</u>	<u>6.8</u>	<u>600</u>	<u>7200</u>	<u>5.0</u>	<u> </u>
<u>1055</u>	<u>66.6</u>	<u>6.8</u>	<u>600</u>	<u>7200</u>	<u>8.0</u>	

Did Well Dewater? no If yes, gals. Gallons Actually Evacuated: 8.0

Sampling Time: 1105 Sampling Date: 6-24-95

Sample I.D.: C-2 Laboratory: SEP

Analyzed for: TPH-G BTEX TPH-D OTHER:

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

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

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950624-V-1</u>	Station #: <u>9-3864</u>
Sampler: <u>Fred</u>	Start Date: <u>6-24-95</u>
Well I.D.: <u>C-3</u>	Well Diameter: (circle one) <u>(2)</u> 3 4 6
Total Well Depth: Before <u>29.01</u> After	Depth to Water: Before <u>13.97</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>PVC</u>	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

<u>2.41</u>	<u>x</u>	<u>3</u>	<u>=</u>	<u>7.24</u>	<u>gallons</u>
1 Case Volume		Specified Volumes			

Purging: Bailer <input checked="" type="checkbox"/> <u>CHEVRON D-5</u> Disposable Bailer Middleburg Electric Submersible Extraction Pump Other _____	Sampling: Bailer <input checked="" type="checkbox"/> Disposable Bailer Extraction Port Other _____
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TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1117</u>	<u>68.2</u>	<u>6.8</u>	<u>600</u>	<u>7200</u>	<u>2.5</u>	<u>Steam for drier</u>
<u>1121</u>	<u>66.2</u>	<u>6.8</u>	<u>600</u>	<u>7200</u>	<u>5.0</u>	
<u>1124</u>	<u>66.2</u>	<u>6.8</u>	<u>600</u>	<u>7200</u>	<u>7.5</u>	

Did Well Dewater? <input checked="" type="checkbox"/> If yes, gals.	Gallons Actually Evacuated: <u>7.5</u>
Sampling Time: <u>1134</u>	Sampling Date: <u>6-24-95</u>
Sample I.D.: <u>C-3</u>	Laboratory: <u>SEQ</u>
Analyzed for: <u>TPH-G BTEX</u> (Circle) TPH-D OTHER:	
Duplicate I.D.:	Cleaning Blank I.D.:
Analyzed for: TPH-G BTEX TPH-D OTHER: (Circle)	

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950624-V-1</u>	Station #: <u>9-3864</u>
Sampler: <u>Fred</u>	Start Date: <u>6-24-95</u>
Well I.D.: <u>C-4</u>	Well Diameter: (circle one) <u>2</u> 3 4 6
Total Well Depth: Before <u>29.47</u> After	Depth to Water: Before <u>16.05</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>PVC</u> 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

<u>2.14</u>	\times	<u>3</u>	$=$	<u>6.44</u>
1 Case Volume		Specified Volumes		gallons

Purging: Bailer Chevron Disp Sampling: Bailer
 Disposable Bailer Disposable Bailer
 Middleburg Extraction Port
 Electric Submersible Other _____
 Extraction Pump
 Other _____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1020</u>	<u>67.4</u>	<u>6.6</u>	<u>500</u>	<u>7200</u>	<u>2.0</u>	
<u>1023</u>	<u>66.2</u>	<u>6.6</u>	<u>500</u>	<u>7200</u>	<u>4.0</u>	
<u>1026</u>	<u>66.2</u>	<u>6.6</u>	<u>500</u>	<u>7200</u>	<u>6.5</u>	

Did Well Dewater? If yes, gals. Gallons Actually Evacuated: 6.5

Sampling Time: <u>1036</u>	Sampling Date: <u>6-24-95</u>
Sample I.D.: <u>C-4</u>	Laboratory: <u>SEP</u>
Analyzed for: (Circle) <u>TPH-G BTEX</u> 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 #: <u>950624-VF</u>	Station #: <u>9-3864</u>
Sampler: <u>Fred</u>	Start Date: <u>6-24-95</u>
Well I.D.: <u>MW-1</u>	Well Diameter: (circle one) <u>(2)</u> 3 4 6
Total Well Depth: Before <u>24.11</u> After	Depth to Water: Before <u>12.61</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>(PVC)</u>	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

<u>1.93</u>	x	<u>3</u>	=	<u>5.81</u>
1 Case Volume		Specified Volumes		gallons

Purging: Bailer <input checked="" type="checkbox"/> <u>Chevron Dip</u> Disposable Bailer Middleburg Electric Submersible Extraction Pump Other _____	Sampling: Bailer <input checked="" type="checkbox"/> Disposable Bailer Extraction Port Other _____
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TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>0921</u>	<u>66.0</u>	<u>6.8</u>	<u>200</u>	<u>7200</u>	<u>2.0</u>	
<u>0925</u>	<u>65.6</u>	<u>7.2</u>	<u>400</u>	<u>7200</u>	<u>4.0</u>	
<u>0928</u>	<u>65.6</u>	<u>6.8</u>	<u>400</u>	<u>7200</u>	<u>6.0</u>	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 6.0

Sampling Time: <u>0938</u>	Sampling Date: <u>6-24-95</u>
Sample I.D.: <u>MW-1</u>	Laboratory: <u>SEQ</u>
Analyzed for: <u>(TPH-G BTEX)</u> TPH-D OTHER:	
Duplicate I.D.:	Cleaning Blank I.D.:
Analyzed for: TPH-G BTEX TPH-D OTHER: (Circle)	

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950624-U-1</u>	Station #: <u>9-3864</u>
Sampler: <u>Fred</u>	Start Date: <u>6-24-95</u>
Well I.D.: <u>MW-2</u>	Well Diameter: (circle one) <u>(2)</u> 3 4 6
Total Well Depth: Before <u>24.67</u> After	Depth to Water: Before <u>11.64</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>(PVC)</u>	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

<u>2.08</u>	x	<u>3</u>	=	<u>6.25</u>
1 Case Volume		Specified Volumes		gallons

Purging: Bailer <input checked="" type="checkbox"/> <u>Chevron Disp</u> Disposable Bailer Middleburg Electric Submersible Extraction Pump Other _____	Sampling: Bailer _____ Disposable Bailer Extraction Port Other _____
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TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>0957</u>	<u>65.8</u>	<u>6.8</u>	<u>400</u>	<u>7200</u>	<u>2.0</u>	
<u>0955</u>	<u>65.8</u>	<u>6.6</u>	<u>400</u>	<u>7200</u>	<u>4.0</u>	
<u>0958</u>	<u>65.8</u>	<u>6.6</u>	<u>400</u>	<u>7200</u>	<u>6.5</u>	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 6.5

Sampling Time: <u>1008</u>	Sampling Date: <u>6-24-95</u>
Sample I.D.: <u>MW-2</u>	Laboratory: <u>SEQ</u>
Analyzed for: <u>(TPH-G BTEX)</u> TPH-D OTHER:	
Duplicate I.D.:	Cleaning Blank I.D.:
Analyzed for: TPH-G BTEX TPH-D OTHER: (Circle)	

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950624-V-1</u>	Station #: <u>9-3864</u>
Sampler: <u>Fred</u>	Start Date: <u>6-24-95</u>
Well I.D.: <u>MW-3</u>	Well Diameter: (circle one) <u>(2)</u> 3 4 6
Total Well Depth: Before <u>26.93</u> After	Depth to Water: Before <u>15.65</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>PVC</u>	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

<u>1.80</u>	x	<u>3</u>	=	<u>5.41</u>
1 Case Volume		Specified Volumes		gallons

Purging: Bailer Chevron Disp Sampling: Bailer
 Disposable Bailer Disposable Bailer
 Middleburg Extraction Port
 Electric Submersible Other _____
 Extraction Pump
 Other _____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>1201</u>	<u>65.8</u>	<u>6.6</u>	<u>400</u>	<u>>200</u>	<u>2.0</u>	<u>odor</u>
<u>1203</u>	<u>65.2</u>	<u>6.6</u>	<u>400</u>	<u>>200</u>	<u>4.0</u>	
<u>1206</u>	<u>65.2</u>	<u>6.6</u>	<u>400</u>	<u>>200</u>	<u>6.0</u>	

Did Well Dewater? no If yes, gals. Gallons Actually Evacuated: 6.0

Sampling Time: 1216 Sampling Date: 6-24-95

Sample I.D.: MW-3 Laboratory: SEP

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:

WELL MONITORING DATA SHEET

Project #: <u>950624-U-1</u>	Client: <u>Chevron 9-3864</u>
Sampler: <u>Fred</u>	Date Sampled: <u>6-24-95</u>
Well I.D.: <u>MW-4</u>	Well Diameter: (circle one) <u>(2)</u> 3 4 6
Total Well Depth: Before <u>21.56</u> After	Depth to Water: Before <u>10.50</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>(PVC)</u>	Grade Other --

Volume Conversion Factor (VCF):
 $VCF = (d^2/4) \times \pi / 2.31$
 where:
 $d = \text{in./foot}$
 $d = \text{diameter (in.)}$
 $\pi = 3.1416$
 $VCF = \text{in}^2/\text{gal}$

Well dia.	VCF
2"	0.26
3"	0.57
4"	0.88
6"	1.57
8"	2.26
10"	2.95

<u>1.76</u>	x	<u>3</u>	=	<u>5.30</u>
1 Case Volume		Specified Volumes		gallons

Purging: Bailer Chevron Disp 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>1310</u>	<u>68.4</u>	<u>6.8</u>	<u>400</u>	<u>7200</u>	<u>2.0</u>	
<u>1313</u>	<u>68.4</u>	<u>6.6</u>	<u>400</u>	<u>7200</u>	<u>4.0</u>	
<u>1315</u>	<u>68.4</u>	<u>6.6</u>	<u>400</u>	<u>7200</u>	<u>5.5</u>	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 5.5

Sampling Time: 1325 6-24-95

Sample I.D.: MW-4 Laboratory: SETP

Analyzed for: TPH GAS, BTX

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

Analyzed for: _____

Shipping Notations: _____

Additional Notations: _____

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>950624-V-1</u>	Station #: <u>9-3864</u>
Sampler: <u>Fred</u>	Start Date: <u>6-24-95</u>
Well I.D.: <u>MW-5</u>	Well Diameter: (circle one) <u>(2)</u> 3 4 6
Total Well Depth: Before <u>21.69</u> After	Depth to Water: Before <u>14.79</u> After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: <u>(FVC)</u>	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

<u>1.10</u>	x	<u>3</u>	=	<u>3.31</u>
1 Case Volume		Specified Volumes		gallons

Purging: Bailer <u>✓ Chevron Disp</u> Disposable Bailer Middleburg Electric Submersible Extraction Pump Other _____	Sampling: Bailer <u>✓</u> Disposable Bailer Extraction Port Other _____
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TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
<u>0853</u>	<u>67.8</u>	<u>7.8</u>	<u>200</u>	<u>>200</u>	<u>1.0</u>	
<u>0855</u>	<u>67.8</u>	<u>7.0</u>	<u>200</u>	<u>700</u>	<u>2.0</u>	<u>Dewatered</u>
<u>1335</u>	<u>70.0</u>	<u>7.0</u>	<u>200</u>		<u>-</u>	<u>DTW 14.44</u>

Did Well Dewater? Yes If yes, gals. 2.0 Gallons Actually Evacuated: 2.0

Sampling Time: <u>1345</u>	Sampling Date: <u>6-24-95</u>
Sample I.D.: <u>MW-5</u>	Laboratory: <u>SEP</u>
Analyzed for: (Circle) <u>TPH-G BTEX</u> TPH-D OTHER:	
Duplicate I.D.:	Cleaning Blank I.D.:
Analyzed for: (Circle) TPH-G BTEX TPH-D OTHER:	