Chevron

October 20, 1995

STID 402

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 October 16, 1995 from Blaine Tech Services documents the results of the groundwater monitoring and sampling that was conducted at the above referenced site on September 12, 1995. Results from this sampling event show an overall increase in monitoring wells C-1, C-2, C-3, MW-3, and MW-4. The remaining wells that have historically been non-detect remain non-detect.

In my last two correspondence, your office was informed of the situation that prevents Chevron from conducting the additional investigation or accessing the wells of another party. Under normal circumstances, Chevron can proceed on its own when it has not heard from the lead agency and when Chevron is able to work with all concerned parties. However, in this situation, Chevron is unable to proceed. According to the property development specialist, the property owner across 51st Street refuses to share information or grant Chevron access to investigate this site. Because of this, Chevron is unable to move forward with the required work. Chevron is once again requesting your assistance in this matter. Chevron still has not heard from Alameda Co. Environmental Health Dept.

To both agencies, please respond to the above request or provide some direction regarding this site. 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/93864R02

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

Mr. John Randall, Chevron U.S.A. Products Co.

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

95 OCT 26 PM 2:09

BLAINE
TECH SERVICES INC.

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

October 16, 1995

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

3rd Quarter 1995 Monitoring at 9-3864

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

Monitoring Performed on September 12, 1995

Groundwater Sampling Report **950912-K-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

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 (10-24.5 ft screen)									
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
09/12/95	117.45	103.42	14.03	--	650	14	1.1	1.6	2.4

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 (10 - 29.5 ft screen)									
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
09/12/95	116.16	102.28	13.88	--	1600	<2.5	<2.5	5.4	<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
C-3 (10-29.5 ft Screen)									
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 4800	390 120	360 92	100 15	410 58
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
09/12/95	115.70	100.76	14.94	--	7000	45	<10	28	42

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	(10-24 ft Screen)								
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
09/12/95	116.10	99.87	16.23	--	<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
09/12/95	115.05	102.00	13.05	--	<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
09/12/95	112.08	100.00	12.08	--	<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
09/12/95	113.67	97.68	15.99	--	7200	190	<20	<20	<20

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
09/12/95	118.10	107.90	10.20	--	7100	65	16	<10	21
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
09/12/95	116.74	102.15	14.59	--	<50	<0.5	<0.5	<0.5	<0.5

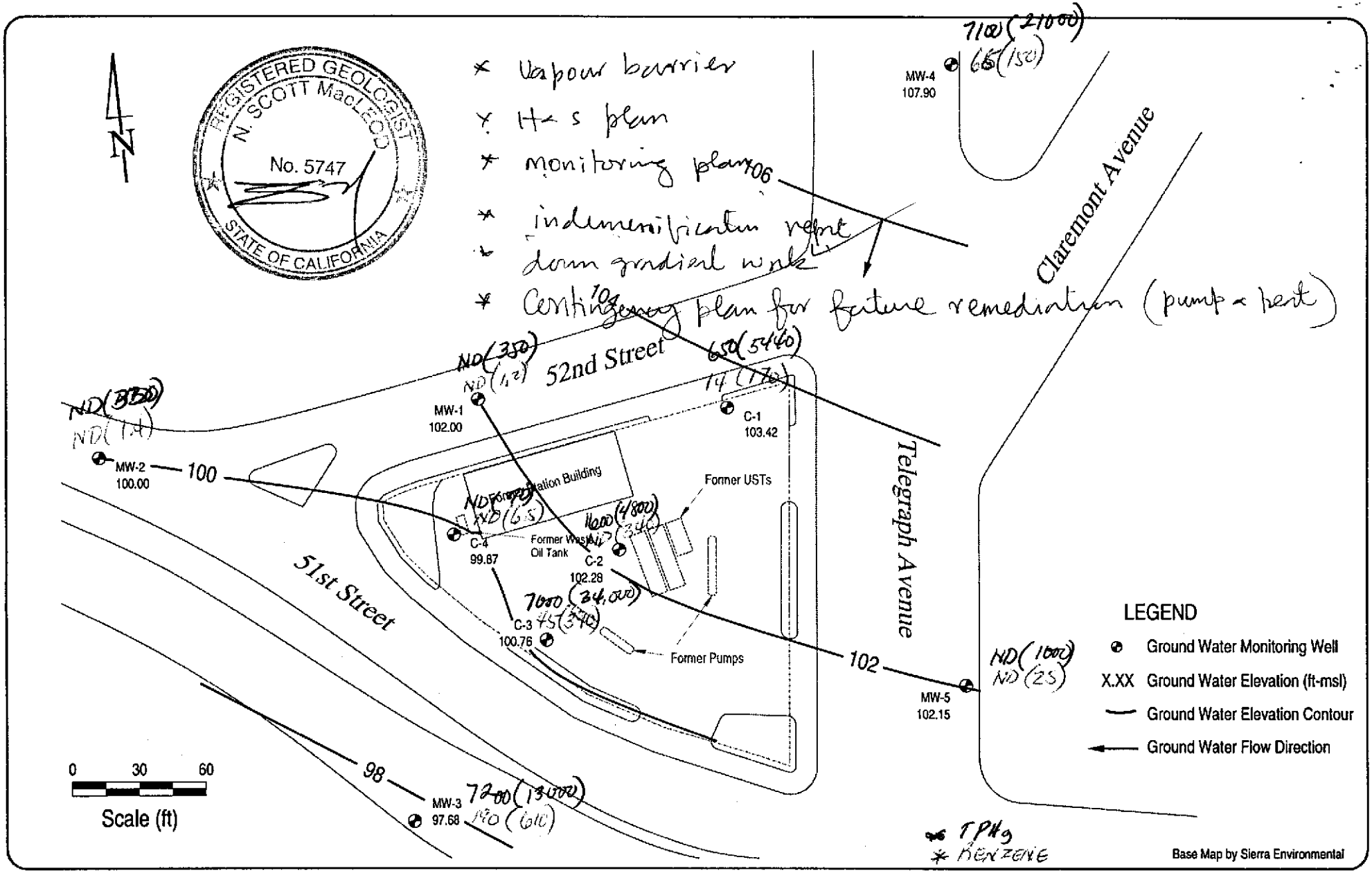
Cumulative Table of Well Data and Analytical Results

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	<0.5
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	<1.5
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
09/12/95	--	--	--	--	<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



CAMBRIA
Environmental Technology, Inc.

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

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

Ground Water Elevation

September 12, 1995

FIGURE

1

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 9-3864/950912-K2	Sampled: 09/12/95
985 Timothy Drive	Sample Descript: C-1	Received: 09/13/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 09/16/95
Attention: Jim Keller	Lab Number: 9509776-01	Reported: 09/20/95

QC Batch Number: GC091695BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	650
Benzene	0.50	14
Toluene	0.50	1.1
Ethyl Benzene	0.50	1.6
Xylenes (Total)	0.50	2.4
Chromatogram Pattern:		Gas
Unidentified HC		<C8

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	126

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 9-3864/950912-K2	Sampled: 09/12/95
985 Timothy Drive	Sample Descript: C-2	Received: 09/13/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 09/17/95
Attention: Jim Keller	Lab Number: 9509776-02	Reported: 09/20/95

QC Batch Number: GC091795BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**250**	**1600**
Benzene	2.5	N.D.
Toluene	2.5	N.D.
Ethyl Benzene	**2.5**	**5.4**
Xylenes (Total)	2.5	N.D.
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	88

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
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Blaine Technical Services
985 Timothy Drive
San Jose, CA 95133

Attention: Jim Keller

Client Proj. ID: Chevron 9-3864/950912-K2
Sample Descript: C-3
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9509776-03

Sampled: 09/12/95
Received: 09/13/95

Analyzed: 09/17/95
Reported: 09/20/95

QC Batch Number: GC091795BTEX17A
Instrument ID: GCHP17

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**1000**	**7000**
Benzene	**10**	**45**
Toluene	10	N.D.
Ethyl Benzene	**10**	**28**
Xylenes (Total)	**10**	**42**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	110

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 9-3864/950912-K2	Sampled: 09/12/95
985 Timothy Drive	Sample Descript: C-4	Received: 09/13/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 09/16/95
Attention: Jim Keller	Lab Number: 9509776-04	Reported: 09/20/95

QC Batch Number: GC091695BTEX03A
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	88

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 9-3864/950912-K2
Sample Descript: MW-1
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9509776-05

Sampled: 09/12/95
Received: 09/13/95

Analyzed: 09/16/95
Reported: 09/20/95

QC Batch Number: GC091695BTEX03A
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	91

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	Client Proj. ID: Chevron 9-3864/950912-K2	Sampled: 09/12/95
985 Timothy Drive	Sample Descript: MW-2	Received: 09/13/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 09/16/95
Attention: Jim Keller	Lab Number: 9509776-06	Reported: 09/20/95

QC Batch Number: GC091695BTEX03A
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	87

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

Blaine Technical Services	Client Proj. ID: Chevron 9-3864/950912-K2	Sampled: 09/12/95
985 Timothy Drive	Sample Descript: MW-3	Received: 09/13/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 09/16/95
Attention: Jim Keller	Lab Number: 9509776-07	Reported: 09/20/95

QC Batch Number: GC091695BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**2000**	**7200**
Benzene	**20**	**190**
Toluene	20	N.D.
Ethyl Benzene	20	N.D.
Xylenes (Total)	20	N.D.
Chromatogram Pattern:		**Gas**
Unidentified HC		**<C8**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	76

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

Blaine Technical Services	Client Proj. ID: Chevron 9-3864/950912-K2	Sampled: 09/12/95
985 Timothy Drive	Sample Descript: MW-4	Received: 09/13/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 09/19/95
Attention: Jim Keller	Lab Number: 9509776-08	Reported: 09/20/95

QC Batch Number: GC091895BTEX21A
Instrument ID: GCHP21

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**1000**	**7100**
Benzene	**10**	**65**
Toluene	**10**	**16**
Ethyl Benzene	10	N.D.
Xylenes (Total)	**10**	**21**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	150 Q

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

Blaine Technical Services	Client Proj. ID: Chevron 9-3864/950912-K2	Sampled: 09/12/95
985 Timothy Drive	Sample Descript: MW-5	Received: 09/13/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 09/16/95
Attention: Jim Keller	Lab Number: 9509776-09	Reported: 09/20/95

QC Batch Number: GC091695BTEX03A
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	87

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

Blaine Technical Services	Client Proj. ID: Chevron 9-3864/950912-K2	Sampled: 09/12/95
985 Timothy Drive	Sample Descript: TB	Received: 09/13/95
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 09/16/95
Attention: Jim Keller	Lab Number: 9509776-10	Reported: 09/20/95

QC Batch Number: GC091695BTEX03A
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	91

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

Client Proj. ID: Chevron 9-3864/950912-K2

Lab Proj. ID: 9509776

Received: 09/13/95

Reported: 09/20/95

LABORATORY NARRATIVE

Q = High surrogate recovery due to coelution.

TPPH Note: Sample 9509776-02 was diluted 5-fold.
Sample 9509776-03 was diluted 20-fold.
Sample 9509776-07 was diluted 40-fold.
Sample 9509776-08 was diluted 20-fold.

SEQUOIA ANALYTICAL

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

Client Project ID: Chevron 9-3864/950912-K2
Matrix: Liquid
Work Order #: 9509776 -01, 04-07, 09-10
Reported: Sep 22, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC091695BTEX03A	GC091695BTEX03A	GC091695BTEX03A	GC091695BTEX03A
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 #:	950868802	950868802	950868802	950868802
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/16/95	9/16/95	9/16/95	9/16/95
Analyzed Date:	9/16/95	9/16/95	9/16/95	9/16/95
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	8.7	8.8	8.7	26
MS % Recovery:	87	88	87	87
Dup. Result:	8.9	9.0	9.4	29
MSD % Recov.:	89	90	94	97
RPD:	2.3	2.2	7.7	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

SEQUOIA ANALYTICAL

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

Blaine Tech Services, Inc.	Client Project ID:	Chevron 9-3864/950912-K2	
985 Timothy Drive	Matrix:	Liquid	
San Jose, CA 95133			
Attention: Jim Keller	Work Order #:	9509776-02-03	Reported: Sep 22, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC091795BTEX17A	GC091795BTEX17A	GC091795BTEX17A	GC091795BTEX17A
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 #:	950967902	950967902	950967902	950967902
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/17/95	9/17/95	9/17/95	9/17/95
Analyzed Date:	9/17/95	9/17/95	9/17/95	9/17/95
Instrument I.D.#:	GCHP17	GCHP17	GCHP17	GCHP17
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	98	10	10	31
MS % Recovery:	98	100	100	103
Dup. Result:	10	10	10	31
MSD % Recov.:	100	100	100	103
RPD:	2.0	0.0	0.0	0.0
RPD Limit:	0-50	0-50	0-50	0-50
LCS #:	-	-	-	-
Prepared Date:	-	-	-	-
Analyzed Date:	-	-	-	-
Instrument I.D.#:	-	-	-	-
Conc. Spiked:	-	-	-	-
LCS Result:	-	-	-	-
LCS % Recov.:	-	-	-	-
MS/MSD LCS Control Limits	71-133	72-128	72-130	71-120

SEQUOIA ANALYTICAL

Peggy Penner
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

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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 9-3864/950912-K2
Matrix: Liquid
Work Order #: 9509776-08

Reported: Sep 22, 1995

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC091895BTEX21A	GC091895BTEX21A	GC091895BTEX21A	GC091895BTEX21A
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 #:	950968802	950968802	950968802	950968802
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	9/18/95	9/18/95	9/18/95	9/18/95
Analyzed Date:	9/18/95	9/18/95	9/18/95	9/18/95
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	11	11	33
MS % Recovery:	100	110	110	110
Dup. Result:	10	10	10	30
MSD % Recov.:	100	100	100	100
RPD:	0.0	9.5	9.5	9.5
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

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

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

Fax copy of Lab Report and COC to Chevron Contact: ☐ 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: 9-3864
Facility Address: 5101 Telegraph Ave., Oakland, CA
Consultant Project Number: 950912-K2
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): 293-8773

Chevron Contact (Name): Kenneth Kan
(Phone): (510) 842-8752
Laboratory Name: Sequoia
Laboratory Release Number: 2768051
Samples Collected by (Name): Keith Brown
Collection Date: 9/12
Signature:

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)	Analyses To Be Performed: 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)	9509776	Remarks
C-1	1	3	W	D	1300	Hcl	Y	X									DO NOT BILL FOR TB-LB.
C-2	2				1320			X									
C-3	3				1340			X									
C-4	4				1240			X									
MW1	5				1130			X									
MW2	6				1200			X									
MW3	7				1410			X									SEP 2 1
MW4	8				1435			X									
MW5	9				1220			X									
TB	10	2						X									

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
[signature]	BTS	9-13-95 1200	[signature]	SEQ	9-13-95 12:00
[signature]	SEQ	9-13-95 1:90			
			Received For Laboratory By (Signature): [signature]		Date/Time 9/13/95 1340

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

Field
Data
Sheets

WELL GAUGING DATA

Project # 950912-K2 Date 9/12 Client Chevron

Site 5101 Telegraph Ave, Oakland

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
C-1	2					1403	2859	TOC
C-2	2					1388	2912	
C-3	2	odor				1494	2871	
C-4	2					1623	2890	
MW1	2					1305	2351	
MW2	2					1208	2411	
MW3	2	odor				1599	2639	
MW4	2	odor				1020	2108	
MW5	2					1459	2125	

CHEVRON WELL MONITORING DATA SHEET

Project #: 450912-KR	Station #: 9-3864
Sampler: CG3	Start Date: 9/12
Well I.D.: C-1	Well Diameter: (circle one) 2 3 4 6 ___
Total Well Depth: Before 28.59 After	Depth to Water: Before 14.03 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 Case Volume	x	Specified Volumes	=	gallons
2.3	x	3	=	6.9

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:
1249	65.4	6.8	540	—	2.5	
1253	63.0	6.8	560	—	5.0	
1257	62.8	6.8	560	—	7.0	

Did Well Dewater? N If yes, gals. — Gallons Actually Evacuated: 7.0

Sampling Time: 1300 Sampling Date: 9/12

Sample I.D.: C-1 Laboratory: SL

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 #: 450912-K2	Station #: 9-3864
Sampler: KCB	Start Date: 9/12
Well I.D.: C-2	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 29.12 After	Depth to Water: Before 13.88 After
Depth to Free Product: ___	Thickness of Free Product (feet):
Measurements referenced to: (TOC) 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
2.4	x	3	=	7.2

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:
1308	61.2	6.6	600	—	2.5	gas odor
1313	606	6.6	620	—	5.0	greyish color
1317	61.0	6.6	600	—	7.5	

Did Well Dewater? N If yes, gals. — Gallons Actually Evacuated: 7.5

Sampling Time: 1320	Sampling Date: 9/12
Sample I.D.: C-2	Laboratory: Sc

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 #: 750912-C2	Station #: 9-3864
Sampler: KCB	Start Date: 9/12
Well I.D.: C-3	Well Diameter: (circle one) 2 3 4 6 ___
Total Well Depth: Before 28.71 After	Depth to Water: Before 14.94 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

2.2 (1 Case Volume) x 3 (Specified Volumes) = 6.6 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:
1331	64.8	6.8	600	—	2.5	gray clr/slt brn
1335	64.0	6.8	600	—	5.0	blk/gray
1338	63.8	6.8	620	—	7.0	

Did Well Dewater? N If yes, gals. — Gallons Actually Evacuated: 7.0

Sampling Time: 1340 Sampling Date: 9/12

Sample I.D.: C-3 Laboratory: SG

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 #: 450912-102	Station #: 9-3864
Sampler: KCB	Start Date: 9/12
Well I.D.: C-4	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 2890 After	Depth to Water: Before 1623 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

20 (1 Case Volume) x 3 (Specified Volumes) = 6.0 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:
1230	60.6	6.6	500	—	2	silty / brn
1233	58.8	6.6	540	—	4	
1236	58.8	6.6	540	—	6	

Did Well Dewater? N If yes, gals. — Gallons Actually Evacuated: 6

Sampling Time: 1240 Sampling Date: 9/12

Sample I.D.: C-4 Laboratory: SG

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

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

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

CHEVRON WELL MONITORING DATA SHEET

Project #: 950912-K2	Station #: 9-3864
Sampler: KCW	Start Date: 9/12
Well I.D.: MW1	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 23.51 After	Depth to Water: Before 13.35 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

1.6	x	3	=	4.8
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:
1123	61.4	7.0	760	—	3	silty / mud bottom
1125	61.6	6.8	560	—	4	
1127	61.6	6.8	580	—	5	

Did Well Dewater? (N) If yes, gals. — Gallons Actually Evacuated: 5

Sampling Time: 1130 Sampling Date: 9/12

Sample I.D.: MW1 Laboratory: Sea

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 #: 450912-K2	Station #: 9-3861
Sampler: KCB	Start Date: 9/12
Well I.D.: MW2	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 24.11 After	Depth to Water: Before 12.08 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 (1 Case Volume) x 3 (Specified Volumes) = 5.7 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:
1149	64.6	6.8	760	—	2	silty / reddish
1152	64.4	6.6	660	—	4	brn
1155	64.0	6.6	680	—	6	

Did Well Dewater? N If yes, gals. — Gallons Actually Evacuated: 6

Sampling Time: 1200 Sampling Date: 9/12

Sample I.D.: MW2 Laboratory: SG

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

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

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

CHEVRON WELL MONITORING DATA SHEET

Project #: 950912-K2	Station #: 9-3864
Sampler: KeB	Start Date: 9/12
Well I.D.: MW3	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth:	Depth to Water:
Before 26.39 After	Before 15.99 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

1.7 x 3 = 5.1

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:
1355	66.8	6.8	760	—	2	strong gas odor
1359	63.2	6.6	8.00	—	4	greyish silt
1403	63.8	6.6	800	—	5.5	

Did Well Dewater? (N) If yes, gals. — Gallons Actually Evacuated: 5.5

Sampling Time: 1410 Sampling Date: 9/12

Sample I.D.: MW3 Laboratory: Sq

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 #: 450912-K2	Station #: 9-3864
Sampler: KCR	Start Date: 9/12
Well I.D.: ~~MW-4~~ MW-4	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 21.08 After	Depth to Water: Before 10.20 After
Depth to Free Product: ___	Thickness of Free Product (feet):
Measurements referenced to: (TOC) 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

1.6 (1 Case Volume) x 3 (Specified Volumes) = 4.8 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:
1424	64.6	6.7	760	—	2	slv / blk gry silt
1428	64.2	6.7	700	—	4	
1430	64.0	6.6	740	—	5	

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

Sampling Time: 1435 Sampling Date: 9/12

Sample I.D.: MW4 Laboratory: Sc

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

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

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

CHEVRON WELL MONITORING DATA SHEET

Project #: 450912-102	Station #: 9-3864
Sampler: KCB	Start Date: 9/12
Well I.D.: MW5	Well Diameter: (circle one) (2) 3 4 6 ____
Total Well Depth: Before 21.25 After	Depth to Water: Before 14.59 After
Depth to Free Product: —	Thickness of Free Product (feet):
Measurements referenced to: (TOC) 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

1.0	x	3	=	3.0
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:
1212	66.4	6.8	340	—	1	silty/reddish brown
1214	62.8	6.6	330	—	2	
1215	62.6	6.6	340	—	3	

Did Well Dewater? N If yes, gals. — Gallons Actually Evacuated: 3

Sampling Time: 1220 Sampling Date: 9/12

Sample I.D.: MW5 Laboratory: SG

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)

Superior Precision Analytical, Inc.
825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229-1512 / fax (510) 229-1526

Sierra Environmental
Attn: ARGY MENA

Project 1-203-04
Reported 01/22/93

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
87665- 3	C 3	01/20/93	01/22/93	Water

RESULTS OF ANALYSIS

Laboratory Number: 87665- 3

Gasoline:	[illegible]
Benzene:	[illegible]
Toluene:	32
Ethyl Benzene:	[illegible]
Xylenes:	58

Concentration: ug/L

2/4/93
To be submitted on the next gasoline report

Superior Precision Analytical, Inc.
825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229-1512 / Fax (510) 229-1526

C E R T I F I C A T E O F A N A L Y S I S

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

QA/QC INFORMATION
SET: 87665

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT
ug/L = parts per billion (ppb)

OIL AND GREASE ANALYSIS By Standard Methods Method 5520F:
Minimum Detection Limit in Water: 5000ug/L

Modified EPA SW-846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Water: 50ug/L

EPA SW-846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Water: 50ug/L

EPA SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Water: 0.5ug/L

ANALYTE	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Gasoline:	89/89	0%	70-130
Benzene:	88/78	12%	70-130
Toluene:	98/88	11%	70-130
Ethyl Benzene:	105/94	11%	70-130
Xylenes:	105/94	11%	70-130

Richard Srna, Ph.D.
Laboratory Director

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☐ No 87665

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number: 9-3864
Facility Address: 5101 Telegraph Ave, OAKLAND
Consultant Project Number: 1-303-04
Consultant Name: Sierra Environmental Services
Address: P.O. Box 2546, MARTINEZ, CA
Project Contact (Name): Arav Mena
(Phone): 370-1280 (Fax Number): 370-7959

Chevron Contact (Name): Ken Kan
(Phone): 842-8752
Laboratory Name: Superior Precision
Laboratory Release Number: 4056670
Samples Collected by (Name): Carol Eaton
Collection Date: 1/20/93
Signature: Carol Eaton

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)					Remarks
TB-LB		3	W	G	11:10	HCl	Y	✓												HOLD
GB		↓	↓	↓	11:15	↓	↓	✓												HOLD
C-3		↓	↓	↓	12:55	↓	↓	✓												Analyze

Note: Do Not Bill TB-LB Samples

Samples Stored in ice ✓ samples transported ice cooled
Appropriate containers ✓
Samples preserved ✓
VOA's without headspace ✓
Comments

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Carol Eaton	SES	1/20/93			
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Relinquished By (Signature)	Organization	Date/Time	Recieved For Laboratory By (Signature): E Tanquilig		Date/Time: 1-20-93

Turn Around Time (Circle Choice)
24 Hrs.
(48 Hrs.) (circled)
5 Days
10 Days
As Contracted
1/20/93

01/22/93 16:52 415 229 1526 SUPERIOR LABS P.03

Superior Precision Analytical, Inc.
825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229 1517 / fax (510) 229 1526

Sierra Environmental
Attn: ARGY MENA

Project 1-203-04
Reported 01/22/93

TOTAL PETROLEUM HYDROCARBONS

Lab #	Sample Identification	Sampled	Analyzed	Matrix
87665- 3	C-3	01/20/93	01/22/93	Water

RESULTS OF ANALYSIS

Laboratory Number: 87665- 3

Gasoline:	4800
Benzene:	120
Toluene:	32
Ethyl Benzene:	15
Xylenes:	58
Concentration:	ug/l

Superior Precision Analytical, Inc.
825 Arnold Drive, Suite 114 • Martinez, California 94553 • (510) 229-1512 / fax (510) 229-1526

CERTIFICATE OF ANALYSIS

ANALYSIS FOR TOTAL PETROLEUM HYDROCARBONS

QA/QC INFORMATION
SET: 87665

NA = ANALYSIS NOT REQUESTED
ND = ANALYSIS NOT DETECTED ABOVE QUANTITATION LIMIT
ug/L = parts per billion (ppb)

OIL AND GREASE ANALYSIS By Standard Methods Method 5520F:
Minimum Detection Limit in Water: 5000ug/L

Modified EPA SW-846 Method 8015 for Extractable Hydrocarbons:
Minimum Quantitation Limit for Diesel in Water: 50ug/L

EPA SW-846 Method 8015/5030 Total Purgable Petroleum Hydrocarbons:
Minimum Quantitation Limit for Gasoline in Water: 50ug/L

EPA SW-846 Method 8020/BTXE
Minimum Quantitation Limit in Water: 0.5ug/L

ANALYTE	MS/MSD RECOVERY	RPD	CONTROL LIMIT
Gasoline:	89/89	0%	70-130
Benzene:	88/78	12%	70-130
Toluene:	98/88	11%	70-130
Ethyl Benzene:	105/94	11%	70-130
Xylenes:	105/94	11%	70-130

Richard Srna, Ph.D.
Laboratory Director