

ENVIRONMENTAL
PROTECTION

98 APR 28 AM 8:38



Chevron

April 24, 1998

Chevron Products Company
6001 Bollinger Canyon Road
Building L
San Ramon, CA 94583
P.O. Box 6004
San Ramon, CA 94583-0904

Marketing - Sales West
Phone 510 842-9500

Mr. Barney Chan
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Former Chevron Service Station # 9-4612
3616 San Leandro Street
Oakland, California

4249

Dear Mr. Chan:

Enclosed is the First Quarter Groundwater Monitoring report for 1998 that was prepared by Blaine Tech Services, Inc. for the above noted site. As noted in the reports, the groundwater samples were analyzed for TPH-g, BTEX and MtBE constituents. Monitoring well MW-3 was to be analyzed for the TPH-d constituent, however the consultant inadvertently failed to request the analysis on the chain of custody form sent to the lab. The consultant has been advised and they will insure this analysis is included in the next sampling event.

The benzene constituent declined in all monitoring wells from the previous sampling event. The MtBE constituent was analyzed using EPA Method 8260 and this method will be used for at least two additional sampling events to establish a basis for this constituent.

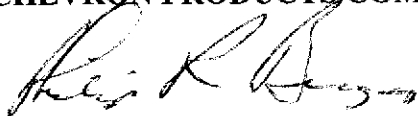
To assist in the natural attenuation of the hydrocarbons at this site, **Chevron recommends the installation of an oxidant (ORC) into monitoring wells VH-1, MW-2 and MW-3.** This will increase the availability of oxygen in the soil and groundwater thereby providing an agent for biological reaction and the breakdown of hydrocarbon compounds to natural by products.

Depth to ground water varied from 6.51 feet to 8.13 feet below grade with the direction of flow southwesterly.

April 24, 1998
Mr. Barney Chan
Former Chevron Service Station #9-4612
Page 2

If you have any questions or comments to the recommended use of ORC, call me at (510) 842-9136. Chevron will continue to monitor quarterly.

Sincerely,
CHEVRON PRODUCTS COMPANY



Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

Cc. Mr. Jack Ratto
PO Box 6032
Oakland, CA. 94603

Mr. Terry McIlraith
407 Castello Road
Lafayette, CA 94549

Ms. Bette Owen, Chevron

BLAINE
TECH SERVICES INC.

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



April 21, 1998

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

1st Quarter 1998 Monitoring at 9-4612

First Quarter 1998 Groundwater Monitoring at
Former Chevron Service Station Number 9-4612
3616 San Leandro Street
Oakland, CA

Monitoring Performed on January 28, 1998

Groundwater Sampling Report 980128-A-2

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

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

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

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

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

Please call if you have any questions.

Yours truly,

A handwritten signature in cursive script, appearing to read "Francis Thie", is written over a horizontal line.

Francis Thie
Vice President

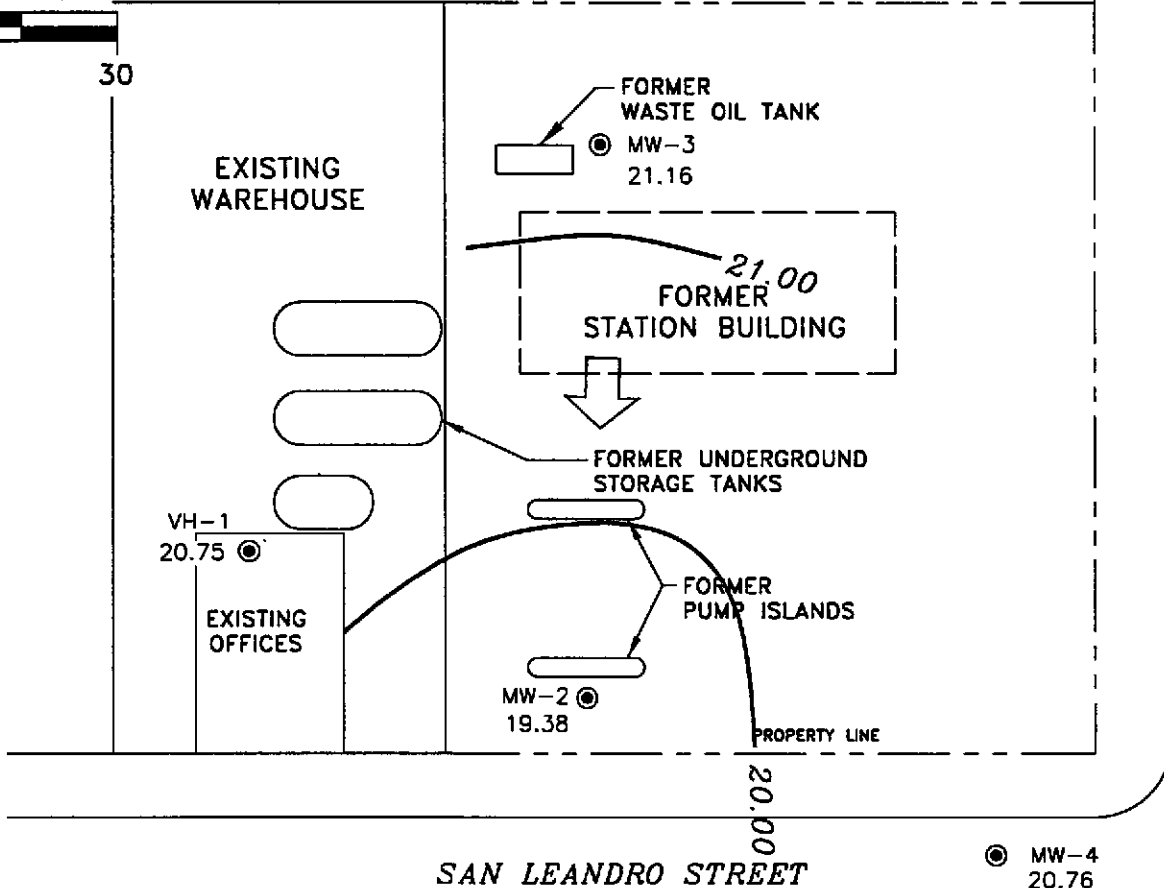
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attachments: Professional Engineering Appendix
Cumulative Table of Well Data and Analytical Results
Analytical Appendix
Field Data Sheets

Professional Engineering Appendix

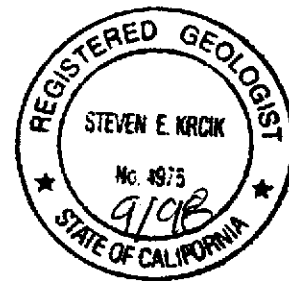


SCALE (ft)



EXPLANATION

- MONITORING WELL
- 20.76 GROUNDWATER ELEVATION (FT, MSL)
- 20.00 — GROUNDWATER ELEVATION CONTOUR (FT, MSL)
- ↓ APPROXIMATE GROUNDWATER FLOW DIRECTION;
APPROXIMATE GRADIENT = 0.02



Base map from Cambria Environmental Technology, Inc.

PREPARED BY



Chevron Station 9-4612
3616 San Leandro Street
Oakland, California

GROUNDWATER ELEVATION CONTOUR MAP,
JANUARY 28, 1998

FIGURE:
1
PROJECT:
DAC04

Table of Well Data and Analytical Results

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	TPH-Diesel	TOG	HVOC	MTBE	MTBE by 8260
VH-1														
08/10/88	--	--	13.00	--	11,000	3300	200	520	540	--	--	--	--	--
06/01/89	--	--	10.32	--	15,000	2200	120	540	310	--	--	--	--	--
09/15/89	--	--	15.69	--	5600	1900	90	350	160	--	--	--	--	--
12/08/89	--	--	14.77	--	11,000	1900	69	270	99	--	--	--	--	--
03/07/91	--	--	11.26	--	4500	820	39	120	77	--	--	--	--	--
09/24/91	--	--	12.98	--	3300	520	19	39	27	--	--	--	--	--
01/08/92	--	--	13.77	--	5000	600	34	81	76	--	--	--	--	--
04/20/92	--	--	8.18	--	7400	670	60	110	140	--	--	--	--	--
03/26/93	27.85	21.14	6.71	--	4900	600	40	72	94	--	--	--	--	--
05/27/93	27.85	19.27	8.58	--	13,000	1600	120	230	220	--	--	--	--	--
08/18/93	27.85	17.39	10.46	--	2700	210	10	8.1	18	--	--	--	--	--
11/03/93	27.85	15.28	12.57	--	4600	680	42	35	68	--	--	--	--	--
02/10/94	27.85	18.77	9.08	--	1900	260	19	22	29	--	--	--	--	--
05/12/94	27.85	19.76	8.09	--	2000	390	28	3.9	29	--	--	--	--	--
08/26/94	27.85	17.10	10.75	--	4900	500	<5.0	23	31	--	--	--	--	--
11/14/94	27.85	18.40	9.45	--	760	69	<2.0	<2.0	2.2	300	--	--	--	--
02/01/95	27.85	21.88	5.97	--	1300	120	5.9	<0.5	13	--	--	--	--	--
05/12/95	27.85	20.14	7.71	--	4400	460	31	45	49	--	--	--	--	--
08/22/95	27.85	18.59	9.26	--	2900	310	15	28	32	--	--	--	--	--
12/19/95	27.85	19.05	8.80	--	930	53	<2.5	<2.5	<2.5	--	--	--	39	--
01/31/96	27.85	22.35	5.50	--	3700	320	<10	41	40	--	--	--	180	--
04/30/96	27.85	19.81	8.04	--	3900	270	<20	<20	<20	--	--	--	120	--
08/01/96	27.85	18.67	9.18	--	2700	140	11	18	28	--	--	--	200	--
10/30/96	27.85	18.67	10.76	--	2700	140	<12	<12	<12	--	--	--	280	--
02/07/97	27.85	19.75	8.10	--	220	13	0.6	<0.5	1.6	--	--	--	15	--
05/07/97	27.85	18.33	9.52	--	5200	33	12	21	26	--	--	--	330	--
07/22/97	27.85	17.43	10.42	--	4200	80	<10	16	24	--	--	--	400	--
11/03/97	27.85	16.85	11.00	--	2400	150	6.8	6.5	9.5	--	--	--	510	--
01/28/98	27.85	20.75	7.10	--	850	69	4.8	5.0	11	--	--	--	38	48

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	TPH-Diesel	TOG	HVOC	MTBE	MTBE by 8260
MW-2														
02/16/93	27.51	--	--	--	9200	720	110	250	170	--	--	--	--	--
03/26/93	27.51	19.89	7.62	--	--	--	--	--	--	--	--	--	--	--
05/27/93	27.51	18.04	9.47	--	360	5.3	2.1	1.8	2.5	--	--	--	--	--
08/18/93	27.51	16.46	11.05	--	9400	1100	76	110	100	--	--	--	--	--
11/03/93	27.51	14.56	12.95	--	8600	390	20	2.7	120	--	--	--	--	--
02/10/94	27.51	17.72	9.79	--	2700	370	38	44	41	--	--	--	--	--
05/12/94	27.51	18.59	8.92	--	3800	650	76	15	62	--	--	--	--	--
08/26/94	27.51	16.14	11.37	--	16,000	1300	270	28	120	--	--	--	--	--
11/14/94	27.51	17.48	10.03	--	5100	390	10	43	27	--	--	--	--	--
02/01/95	27.51	20.47	7.04	--	6900	520	82	170	110	--	--	--	--	--
05/12/95	27.51	18.76	8.75	--	7700	510	83	110	100	--	--	--	--	--
08/22/95	27.51	17.35	10.16	--	4500	220	16	61	47	--	--	--	--	--
12/19/95	27.51	18.05	9.46	--	2900	240	<10	19	18	--	--	--	220	--
01/31/96	27.51	21.91	5.60	--	3900	320	18	72	39	--	--	--	<25	--
04/30/96	27.51	18.68	8.83	--	5600	200	36	55	47	--	--	--	170	--
08/01/96	27.51	17.25	10.26	--	6200	190	15	62	59	--	--	--	220	--
10/30/96	27.51	17.25	11.48	--	5700	190	<25	67	36	--	--	--	260	--
02/07/97	27.51	18.11	9.40	--	8300	210	34	70	59	--	--	--	330	--
05/07/97	27.51	17.57	9.94	--	6900	190	12	38	37	--	--	--	530	--
07/22/97	27.51	16.36	11.15	--	10,000	18	25	62	41	--	--	--	630	--
11/03/97	27.51	15.93	11.58	--	6500	260	8.5	26	14	--	--	--	590	--
11/03/97	27.51	15.93	11.58	Confirmation run	--	--	--	--	--	--	--	--	--	96
01/28/98	27.51	19.38	8.13	--	6700	65	13	67	54	--	--	--	280	94

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	TPH-Diesel	TOG	HVOC	MTBE	MTBE by 8260
MW-3														
02/16/93	28.50	--	--	--	3500	<0.5	8.1	4.6	7.7	--	--	--	--	--
03/26/93	28.50	21.32	7.18	--	--	--	--	--	--	--	--	--	--	--
05/27/93	28.50	19.17	9.33	--	4200	580	84	150	100	--	--	--	--	--
08/18/93	28.50	16.50	12.00	--	910	12	3.7	6.2	3.8	1400	<5000	ND	--	--
11/03/93	28.50	15.21	13.29	--	5300	29	1.9	0.6	27	--	--	--	--	--
02/10/94	28.50	18.87	9.63	--	63	<0.5	0.7	<0.5	<0.5	<50	--	--	--	--
05/12/94	28.50	19.73	8.77	--	<50	<0.5	0.5	<0.5	<0.5	84	--	--	--	--
08/26/94	28.50	17.08	11.42	--	2100	12	<0.5	5.0	0.5	--	--	--	--	--
11/14/94	28.50	18.43	10.07	--	140	0.78	<0.5	<0.5	<0.5	--	--	--	--	--
02/01/95	28.50	22.21	6.29	--	<50	<0.5	<0.5	<0.5	<0.5	<50	--	--	--	--
05/12/95	28.50	20.43	8.07	--	330	13	1.1	1.9	0.69	540*	--	--	--	--
08/22/95	28.50	18.55	9.95	--	980	32	<1.0	<1.0	<1.0	550*	--	--	--	--
12/19/95	28.50	19.10	9.40	--	<50	<0.5	<0.5	<0.5	<0.5	<50	--	--	<2.5	--
01/31/96	28.50	23.45	5.05	--	<50	<0.5	<0.5	<0.5	<0.5	<50	--	--	<2.5	--
04/30/96	28.50	20.10	8.40	--	320	2.4	<0.5	0.75	<0.5	240*	--	--	7.8	--
08/01/96	28.50	18.70	9.80	--	980	9.6	<0.5	0.98	2.2	470*	--	--	54	--
10/30/96	28.50	18.70	11.48	--	2000	14	<10	<10	<10	760*	--	--	140	--
02/07/97	28.50	19.90	8.60	--	200*	<0.5	<0.5	<0.5	<0.5	61*	--	--	8.9	--
05/07/97	28.50	19.49	9.01	--	3500	14	3.9	3.6	8.0	550*	--	--	160	--
07/22/97	28.50	17.38	11.12	--	3500	55	<10	<10	<10	800*	--	--	150	--
11/03/97	28.50	16.99	11.51	--	4100	140	<5.0	<5.0	<5.0	910*	--	--	380	--
01/28/98	28.50	21.16	7.34	--	1100	24	<1.2	<1.2	2.8	--	--	--	33	6.1

* Chromatogram pattern indicates an unidentified hydrocarbon.

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	TPH-Diesel	TOG	HVOC	MTBE	MTBE by 8260
MW-4														
08/22/95	27.27	18.16	9.11	--	9600	100	<10	<10	<10	--	--	--	--	--
12/19/95	27.27	18.97	8.30	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	<2.5	--
01/31/96	27.27	21.67	5.60	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	<2.5	--
04/30/96	27.27	20.27	7.00	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	<2.5	--
08/01/96	27.27	18.12	9.15	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
10/30/96	27.27	18.12	10.74	--	110	<0.5	<0.5	<0.5	<0.5	--	--	--	<2.5	--
02/07/97	27.27	19.47	7.80	--	80	<0.5	<0.5	<0.5	<0.5	--	--	--	4.1	--
05/07/97	27.27	21.42	5.85	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	<2.5	--
07/22/97	27.27	17.22	10.05	--	150	<0.5	<0.5	<0.5	<0.5	--	--	--	<2.5	--
11/03/97	27.27	16.55	10.72	--	52	0.90	<0.5	<0.5	<0.5	--	--	--	*	--
01/28/98	27.27	20.76	6.51	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	<2.5	<2.0

* No value for MTBE could be determined; see lab report for analyses.

Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	TPH-Diesel	TOG	HVOC	MTBE	MTBE by 8260
TRIP BLANK														
05/27/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--	--	--	--
08/18/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	1400	<5000	ND	--	--
11/03/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
02/10/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<50	--	--	--	--
05/12/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	84	--	--	--	--
08/26/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
11/14/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
02/01/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
05/12/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
08/22/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
12/19/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	<2.5	--
01/31/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	<2.5	--
04/30/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	<2.5	--
08/01/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	<2.5	--
10/30/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	<2.5	--
02/07/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	<2.5	--
05/07/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	<2.5	--
07/22/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	<2.5	--
01/28/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<2.0

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on November 1, 1994.
 Earlier field data and analytical results are drawn from the September 27, 1994 Groundwater Technology, Inc. report.

ABBREVIATIONS:

- TPH = Total Petroleum Hydrocarbons
- TOG = Total Oil & Grease
- HVOC = Halogenated Volatile Organic Compounds
- MTBE = Methyl t-Butyl Ether

Analytical Appendix



Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 9-4612/980128-A2 Sample Descript: VH-1 Matrix: LIQUID Analysis Method: EPA 8260 Lab Number: 9801H25-01	Sampled: 01/28/98 Received: 01/29/98 Analyzed: 02/04/98 Reported: 04/17/98
--	---	---

QC Batch Number: MS020498MTBEF2A
Instrument ID: F2

Methyl t-Butyl Ether (MTBE)

Analyte	Detection Limit ug/L	Sample Results ug/L
Methyl t-Butyl Ether	2.0	48
Surrogates	Control Limits %	% Recovery
1,2-Dichloroethane-d4	76 114	98

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

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Penner
Project Manager





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Client Proj. ID: Chevron 9-4612/980128-A2
Sample Descript: VH-1
Matrix: LIQUID
Analysis Method: EPA 8020
Lab Number: 9801H25-01

Sampled: 01/28/98
Received: 01/29/98
Analyzed: 02/05/98
Reported: 04/17/98

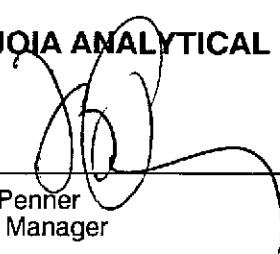
QC Batch Number: GC020598BTEX03A
Instrument ID: GCHP3

Methyl t-Butyl Ether (MTBE)

Analyte	Detection Limit ug/L	Sample Results ug/L
Methyl t-Butyl Ether	2.5	38
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	73

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

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Penner
Project Manager





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Client Proj. ID: Chevron 9-4612/980128-A2
Sample Descript: VH-1
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9801H25-01

Sampled: 01/28/98
Received: 01/29/98
Analyzed: 02/05/98
Reported: 04/17/98

QC Batch Number: GC020598BTEX03A
Instrument ID: GCHP3

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Table with columns: Analyte, Detection Limit ug/L, Sample Results ug/L. Rows include TPHH as Gas, Benzene, Toluene, Ethyl Benzene, Xylenes (Total), Chromatogram Pattern, Surrogates, and Trifluorotoluene.

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Client Proj. ID: Chevron 9-4612/980128-A2
Sample Descript: MW-2
Matrix: LIQUID
Analysis Method: EPA 8260
Lab Number: 9801H25-02

Sampled: 01/28/98
Received: 01/29/98
Analyzed: 02/04/98
Reported: 04/17/98

QC Batch Number: MS020498MTBEF2A
Instrument ID: F2

Methyl t-Butyl Ether (MTBE)

Analyte	Detection Limit ug/L	Sample Results ug/L
Methyl t-Butyl Ether	50	94
Surrogates	Control Limits %	% Recovery
1,2-Dichloroethane-d4	76 114	99

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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FAX (510) 988-9673
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FAX (707) 792-0342

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Client Proj. ID: Chevron 9-4612/980128-A2
Sample Descript: MW-2
Matrix: LIQUID
Analysis Method: EPA 8020
Lab Number: 9801H25-02

Sampled: 01/28/98
Received: 01/29/98
Analyzed: 02/04/98
Reported: 04/17/98

QC Batch Number: GC020498BTEX02A
Instrument ID: GCHP2

Methyl t-Butyl Ether (MTBE)

Analyte	Detection Limit ug/L	Sample Results ug/L
Methyl t-Butyl Ether	50	280
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	86

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 9-4612/980128-A2 Sample Descript: MW-2 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9801H25-02	Sampled: 01/28/98 Received: 01/29/98 Analyzed: 02/04/98 Reported: 04/17/98
Attention: Fran Thie		

QC Batch Number: GC020498BTEX02A
Instrument ID: GCHP2

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	1000	6700
Benzene	10	65
Toluene	10	13
Ethyl Benzene	10	67
Xylenes (Total)	10	54
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	86

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Chevron 9-4612/980128-A2
Sample Descript: MW-3
Matrix: LIQUID
Analysis Method: EPA 8260
Lab Number: 9801H25-03

Sampled: 01/28/98
Received: 01/29/98

Analyzed: 02/04/98
Reported: 04/17/98

QC Batch Number: MS020498MTBEF2A
Instrument ID: F2

Methyl t-Butyl Ether (MTBE)

Analyte	Detection Limit ug/L	Sample Results ug/L
Methyl t-Butyl Ether	2.0	6.1
Surrogates	Control Limits %	% Recovery
1,2-Dichloroethane-d4	76 114	96

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 9-4612/980128-A2 Sample Descript: MW-3 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9801H25-03	Sampled: 01/28/98 Received: 01/29/98 Analyzed: 02/05/98 Reported: 04/17/98
Attention: Fran Thie		

QC Batch Number: GC020598BTEX03A
Instrument ID: GCHP3

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	125	1100
Benzene	1.2	24
Toluene	1.2	N.D.
Ethyl Benzene	1.2	N.D.
Xylenes (Total)	1.2	2.8
Chromatogram Pattern:		Gas
Unidentified HC		C6-C12
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	107

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

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Penner
Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 9-4612/980128-A2 Sample Descript: MW-4 Matrix: LIQUID Analysis Method: EPA 8260 Lab Number: 9801H25-04	Sampled: 01/28/98 Received: 01/29/98 Analyzed: 02/04/98 Reported: 04/17/98
Attention: Fran Thie		

QC Batch Number: MS020498MTBEF2A
Instrument ID: F2

Methyl t-Butyl Ether (MTBE)

Analyte	Detection Limit ug/L	Sample Results ug/L
Methyl t-Butyl Ether	2.0	N.D.
Surrogates	Control Limits %	% Recovery
1,2-Dichloroethane-d4	76 114	99

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 9-4612/980128-A2 Sample Descript: MW-4 Matrix: LIQUID Analysis Method: EPA 8020 Lab Number: 9801H25-04	Sampled: 01/28/98 Received: 01/29/98 Analyzed: 02/04/98 Reported: 04/17/98
--	---	---

QC Batch Number: GC020498BTEX02A
Instrument ID: GCHP2

Methyl t-Butyl Ether (MTBE)

Analyte	Detection Limit ug/L	Sample Results ug/L
Methyl t-Butyl Ether	2.5	N.D.
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	78

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

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Penner
Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 9-4612/980128-A2 Sample Descript: MW-4 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9801H25-04	Sampled: 01/28/98 Received: 01/29/98 Analyzed: 02/04/98 Reported: 04/17/98
--	---	---

QC Batch Number: GC020498BTEX02A
Instrument ID: GCHP2

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	78

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 9-4612/980128-A2 Sample Descript: TB Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9801H25-05	Sampled: 01/28/98 Received: 01/29/98 Analyzed: 02/04/98 Reported: 04/17/98
Attention: Fran Thie		

QC Batch Number: GC020498BTEX02A
Instrument ID: GCHP2

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	78

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 9-4612/980128-A2 Sample Descript: TB Matrix: LIQUID Analysis Method: EPA 8260 Lab Number: 9801H25-05	Sampled: 01/28/98 Received: 01/29/98 Analyzed: 02/04/98 Reported: 04/17/98
Attention: Fran Thie		

QC Batch Number: MS020498MTBEF2A
Instrument ID: F2

Methyl t-Butyl Ether (MTBE)

Analyte	Detection Limit ug/L	Sample Results ug/L
Methyl t-Butyl Ether	2.0	N.D.
Surrogates	Control Limits %	% Recovery
1,2-Dichloroethane-d4	76 114	96

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112
Attention: Fran Thie

Client Proj. ID: Chevron 9-4612/980128-A2
Lab Proj. ID: 9801H25

Received: 01/29/98
Reported: 04/17/98

LABORATORY NARRATIVE

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

TPPH Note: Sample 9801H25-02 was diluted 20-fold.
Sample 9801H25-03 was diluted 2.5-fold.

MTBE Note: The continuing calibration standard for MTBE failed for Samples 9801H25-02 and -04. The MTBE results reported for these samples are estimates.

Report revised 4/17/98.

SEQUOIA ANALYTICAL


Peggy Penner
Project Manager





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

Client Project ID: Chevron 9-4612 / 980128-A2
Matrix: Liquid

Work Order #: 9801H25 -01, 03

Reported: Feb 13, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC020598BTEX03A	GC020598BTEX03A	GC020598BTEX03A	GC020598BTEX03A	GC020598BTEX03A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	A. MirafTAB	A. MirafTAB	A. MirafTAB	A. MirafTAB	A. MirafTAB
MS/MSD #:	9801E3301	9801E3301	9801E3301	9801E3301	9801E3301
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/5/98	2/5/98	2/5/98	2/5/98	2/5/98
Analyzed Date:	2/5/98	2/5/98	2/5/98	2/5/98	2/5/98
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	8.2	8.4	8.7	27	53
MS % Recovery:	82	84	87	90	88
Dup. Result:	8.4	8.6	9.0	27	54
MSD % Recov.:	84	86	90	90	90
RPD:	2.4	2.4	3.4	0.0	1.9
RPD Limit:	0-25	0-25	0-25	0-25	0-25

LCS #:	BLK020598	BLK020598	BLK020598	BLK020598	BLK020598
Prepared Date:	2/5/98	2/5/98	2/5/98	2/5/98	2/5/98
Analyzed Date:	2/5/98	2/5/98	2/5/98	2/5/98	2/5/98
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	8.5	8.2	8.4	25	52
LCS % Recov.:	85	82	84	83	87

MS/MSD	60-140	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130	70-130
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.

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

9801H25.BLA <1>

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager





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

Client Project ID: Chevron 9-4612 / 980128-A2
 Matrix: Liquid

Work Order #: 9801H25-02, 04-05

Reported: Feb 13, 1998

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC020498BTEX02A	GC020498BTEX02A	GC020498BTEX02A	GC020498BTEX02A	GC020498BTEX02A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	A. Miraftab	A. Miraftab	A. Miraftab	A. Miraftab	A. Miraftab
MS/MSD #:	9801B6206	9801B6206	9801B6206	9801B6206	9801B6206
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	2/4/98	2/4/98	2/4/98	2/4/98	2/4/98
Analyzed Date:	2/4/98	2/4/98	2/4/98	2/4/98	2/4/98
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	9.0	8.9	9.2	28	62
MS % Recovery:	90	89	92	93	103
Dup. Result:	7.5	7.4	7.6	23	52
MSD % Recov.:	75	74	76	77	87
RPD:	18	18	19	20	18
RPD Limit:	0-25	0-25	0-25	0-25	0-25

LCS #:	BLK020498	BLK020498	BLK020498	BLK020498	BLK020498
Prepared Date:	2/4/98	2/4/98	2/4/98	2/4/98	2/4/98
Analyzed Date:	2/4/98	2/4/98	2/4/98	2/4/98	2/4/98
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	8.2	8.1	8.4	25	56
LCS % Recov.:	82	81	84	83	93

MS/MSD	60-140	60-140	60-140	60-140	60-140
LCS	70-130	70-130	70-130	70-130	70-130
Control Limits					

SEQUOIA ANALYTICAL

[Signature]
 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

9801H25.BLA <2>





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

Client Project ID: Chevron 9-4612 / 980128-A2
Matrix: Liquid

Work Order #: 9801H25-01-05

Reported: Feb 13, 1998

QUALITY CONTROL DATA REPORT

Analyte: MTBE
QC Batch#: MS020498MTBEF2A
Analy. Method: EPA 8260
Prep. Method: N.A.

Analyst: M. Williams
MS/MSD #: 980203701
Sample Conc.: 140
Prepared Date: 2/4/98
Analyzed Date: 2/4/98
Instrument I.D.#: F2
Conc. Spiked: 50 µg/L

Result: 170
MS % Recovery: 60

Dup. Result: 190
MSD % Recov.: 100

RPD: 11
RPD Limit: 0-25

LCS #: LCS020498
Prepared Date: 2/4/98
Analyzed Date: 2/4/98
Instrument I.D.#: F2
Conc. Spiked: 50 µg/L
LCS Result: 41
LCS % Recov.: 82

MS/MSD 60-140
LCS 70-130
Control Limits

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

9801H25.BLA <3>





Sequoia
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(916) 921-9600

FAX (650) 364-9233
FAX (510) 988-9673
FAX (916) 921-0100

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112
Attention: Fran Thie

Client Proj. ID: Chevron 9-4612/980128-A2
Lab Proj. ID: 9801H25

Received: 01/29/98
Reported: 02/10/98

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 14 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

TPPH Note: Sample 9801H25-02 was diluted 20-fold.
Sample 9801H25-03 was diluted 2.5-fold.

SEQUOIA ANALYTICAL


Peggy Penner
Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 9-4612/980128-A2 Sample Descript: MW-3 Matrix: LIQUID Analysis Method: EPA 8020 Lab Number: 9803420-01	Sampled: 01/28/98 Received: 01/29/98 Analyzed: 02/05/98 Reported: 03/10/98
--	---	---

QC Batch Number: GC020598BTEX03A
Instrument ID: GCHP3

Methyl t-Butyl Ether (MTBE)

Analyte	Detection Limit ug/L	Sample Results ug/L
Methyl t-Butyl Ether	6.2	33
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	107

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

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Penner
Project Manager





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112
Attention: Fran Thie

Client Proj. ID: Chevron 9-4612/980128-A2

Received: 01/29/98

Lab Proj. ID: 9803420

Reported: 03/10/98

LABORATORY NARRATIVE

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

SEQUOIA ANALYTICAL


Peggy Penner
Project Manager



- Fax copy of Lab Report and COC to Chevron Contact: Yes No 9801H25 Chain-of-Custody-Record

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

Chevron Facility Number 9-4612
Facility Address 3616 San Leandro St., Oakland, CA
Chevron Contact (Name) Phil Briggs
(Phone) (510) 842-9136

Consultant Project Number 9801H25
Laboratory Name Sequoia
Laboratory Release Number 9034818
Consultant Name Blaine Tech Services, Inc.
Address 1680 Rogers Ave., San Jose, CA 95112
Samples Collected by (Name) AL GEARY
Project Contact (Name) Fran Thie
(Phone) (408) 573-0555 (Fax Number) (408) 573-7771
Collection Date 1-28-98
Signature AL Geary

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type C = Grab D = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analytes To Be Performed										Remarks				
								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)	MNBE (EPA8260)						
VH1	01	3	W		1450	HCL	Y	X														
MW2	02	↓	↓		1514	↓	↓	X														EPA 8260
MW3	03	↓	↓		1530	↓	↓	X														5 29 1 05
MW4	04	↓	↓		1333	↓	↓	X														
TB	05	2	W				Y	X														

Relinquished By (Signature) <u>AL Geary</u>	Organization <u>BTS</u>	Date/Time <u>11/29/98</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>Sequoia</u>	Date/Time <u>11/29/98</u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days As Contracted
Relinquished By (Signature) <u>[Signature]</u>	Organization	Date/Time <u>11/29/98</u>	Received By (Signature)	Organization	Date/Time	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) <u>[Signature]</u>	Organization	Date/Time <u>11/29/98 13:06</u>	

**Field
Data
Sheets**

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>900128-A2</u>	Station #: <u>9-4612</u>
Sampler: <u>AL</u>	Date: <u>1-28-98</u>
Well I.D.: <u>VH-1</u>	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth: <u>28.21</u>	Depth to Water: <u>7.10</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius ² * 0.163

Purge Method: <u>Bailer</u> ✖	Sampling Method: <u>Bailer</u>
<u>Disposable Bailer</u>	<u>Disposable Bailer</u> ✖
<u>Middleburg</u>	<u>Extraction Port</u>
<u>Electric Submersible</u>	Other: _____
<u>Extraction Pump</u>	
Other: _____	

<u>13.7</u>	x	<u>3</u>	=	<u>41.1</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1400	68.8	7.4	900	14.0	
1420	68.0	7.2	1000	28.0	
1443	68.2	7.2	1000	41.0	

Did well dewater? Yes <u>No</u>	Gallons actually evacuated: <u>41.0</u>	
Sampling Time: <u>1450</u>	Sampling Date: <u>1-28-98</u>	
Sample I.D.: <u>VH-1</u>	Laboratory: <u>Sequon</u> GTEL N. Creek Assoc. Labs	
Analyzed for: <u>TPH-G</u> <u>BTEX</u> <u>MTBE</u> TPH-D Other:		
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D Other:	
D.O. (if req'd):	Pre-purge: _____ mg/L	Post-purge: _____ mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>980128-A2</u>	Station #: <u>9-4612</u>
Sampler: <u>AL</u>	Date: <u>1-28-98</u>
Well I.D.: <u>MW2</u>	Well Diameter: <u>3</u> 4 6 8 <u> </u>
Total Well Depth: <u>19.68</u>	Depth to Water: <u>8.13</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius ² * 0.163

Purge Method: <u>Bailer</u> Disposal Bailer <input checked="" type="checkbox"/> Middleburg Electric Submersible Extraction Pump Other: _____	Sampling Method: <u>Bailer</u> Disposal Bailer <input checked="" type="checkbox"/> Extraction Port Other: _____
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<u>1.8</u>	x	<u>3</u>	=	<u>5.5</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1505	67.8	7.0	1500	2.0	
1507	67.2	7.0	1300	4.0	
1509	67.4	6.9	1300	6.0	

Did well dewater? Yes No Gallons actually evacuated: 6.0

Sampling Time: 1514 Sampling Date: 1-28-98

Sample I.D.: MW2 Laboratory: Sequora GTEL N. Creek Assoc. Labs

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>980128-A2</u>	Station #: <u>9-4612</u>
Sampler: <u>AL</u>	Date: <u>01-28-98</u>
Well I.D.: <u>MW4</u>	Well Diameter: <u>2</u> 3 4 6 8 _____
Total Well Depth: <u>19.07</u>	Depth to Water: <u>6.51</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVO</u> Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius ² * 0.163

Purge Method: Bailer Sampling Method: Bailer
 Disposable Bailer ✕ Disposable Bailer ✕
 Middleburg Extraction Port
 Electric Submersible Other: _____
 Extraction Pump
 Other: _____

<u>2.0</u>	x	<u>3</u>	=	<u>6.0</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
<u>1325</u>	<u>68.2</u>	<u>8.3</u>	<u>1000</u>	<u>2.0</u>	
<u>1327</u>	<u>68.0</u>	<u>7.8</u>	<u>800</u>	<u>4.0</u>	
<u>1329</u>	<u>68.0</u>	<u>8.0</u>	<u>800</u>	<u>6.0</u>	

Did well dewater? Yes (No) Gallons actually evacuated: 6.0

Sampling Time: 1333 Sampling Date: 1-28-98

Sample I.D.: MW4 Laboratory: Sequia GTEL N. Creek Assoc. Labs

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV