BLAINE
TECH SERVICES inc

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE

Need to run TPH in wells w/o ORC before closure is considered. specifically in downgradient wells MW-8,11

April 8, 1999

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

4th Quarter 1998 Monitoring at 206142

Fourth Quarter 1998 Groundwater Monitoring at
Chevron Service Station Number 206142
333 23rd Ave.
Oakland, CA

Monitoring Performed on December 30, 1998

Groundwater Sampling Report **981230-P-1**

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,

Christine Lillie

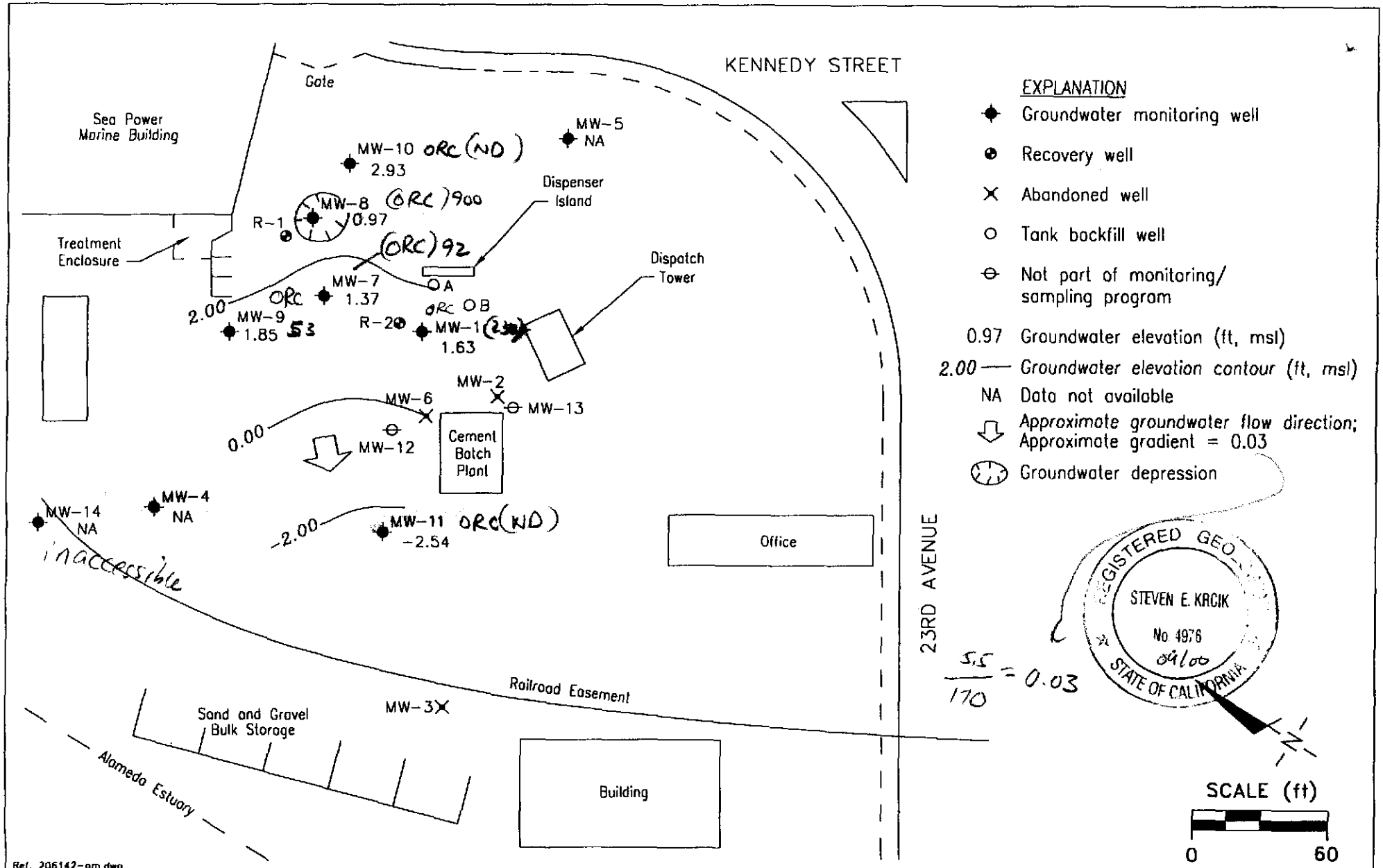
Christine Lillie
Project Coordinator

CAL/sb

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

cc: **Barney Chan, Alameda County Health Care Services Agency**
Aaron O'Brien, Geraghty & Miller

Professional Engineering Appendix



Ref. 206142-qm.dwg
Basemap from Gettler-Ryan, Inc.

PREPARED BY

RRM
engineering contracting firm

Chevron/RMC Lonestar Facility CPS #206142
333 23rd Avenue
Oakland, California

GROUNDWATER ELEVATION CONTOUR MAP, DECEMBER 30, 1998

FIGURE:
1
PROJECT:
DAC04

Table of
Well Data and
Analytical Results

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	TPH-Diesel
MW-1											
12/21/90	4.70	-3.41	9.77	Free Product (2.07')	--	--	--	--	--	--	--
12/18/93	4.70	-3.73	8.45	Free Product (0.03')	--	--	--	--	--	--	--
03/29/94	4.70	-3.94	9.00	Free Product (0.45')	--	--	--	--	--	--	--
06/09/94	4.70	--	--	--	--	--	--	--	--	--	--
10/04/94	4.70	-3.98	8.71	Free Product (0.04')	--	--	--	--	--	--	--
12/20/94	4.70	-3.14	8.38	Free Product (0.67')	--	--	--	--	--	--	--
03/28/95	4.70	-2.69	7.79	Free Product (0.5')	--	--	--	--	--	--	--
06/30/95	4.70	--	--	--	--	--	--	--	--	--	--
09/24/95	4.70	-2.69	7.79	Free Product (0.5')	--	--	--	--	--	--	--
12/29/95	4.70		--	Inaccessible	--	--	--	--	--	--	--
03/24/96	4.70	-2.97	7.68	Free Product (0.01')/ORCs installed	1400*	<0.5	<0.5	<0.5	<0.5	--	59,000
06/16/96	4.70	-3.16	7.86	--	<500	<5.0	<5.0	<5.0	<5.0	--	99,000
12/08/96	4.70	-3.68	8.38	--	280*	<0.5	<0.5	<0.5	<0.5	<5.0	6700
12/08/96	4.70	-3.68	8.38	Silica gel cleanup	--	--	--	--	--	--	5100
06/30/97	10.16	1.51	8.65	--	200*	<0.5	<0.5	<0.5	<0.5	<2.5	950**
06/30/97	10.16	1.51	8.65	1st Silica gel/2nd Silica gel cleanup	--	--	--	--	--	--	600**/600**
10/16/97	10.16	3.80	6.36	ORCs reinstalled	--	--	--	--	--	--	--
12/28/97	10.16	2.66	7.50	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	4700**
06/21/98	10.16	2.28	7.88	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	1300**
12/30/98	10.16	1.63	8.53	Silica gel cleanup	<50	<0.5	0.51	<0.5	<0.5	<2.5	230*
MW-2											
06/15/89	--	--	--	--	<200	<0.5	<0.5	<0.5	<0.5	--	--
12/01/92	--	--	--	Abandoned	--	--	--	--	--	--	--

* Chromatogram pattern indicates an unidentified hydrocarbon.
** Chromatogram pattern indicates an weathered diesel.

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	TPH-Diesel
MW-4											
05/28/87	--	--	--	--	--	<0.5	<0.5	<0.5	<0.2	--	<5.0
06/15/89	--	--	--	--	<100	<0.2	<2.0	<2.0	<2.0	--	<0.2
12/21/90	--	--	7.31	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
03/19/93	--	--	6.64	--	<50	<0.5	<0.5	<0.5	<1.5	--	<50
06/16/93	--	--	8.01	--	210	32	27	2.8	19	--	<50
12/18/93	--	--	7.35	--	79	0.5	1.2	0.5	1.1	--	100
03/29/94	--	--	8.05	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
06/09/94	--	--	8.14	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
10/04/94	--	--	7.31	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
12/20/94	--	--	7.03	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
03/28/95	--	--	6.83	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
06/30/95	--	--	7.84	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
09/24/95	--	--	7.67	--	<50	<0.5	<0.5	<0.5	<0.5	--	110
12/29/95	--	--	--	Unable to locate	--	--	--	--	--	--	--
03/24/96	--	--	7.41	--	<50	<0.5	<0.5	<0.5	<0.5	--	95
06/16/96	--	--	--	Unable to locate	--	--	--	--	--	--	--
12/08/96	--	--	--	Unable to locate	--	--	--	--	--	--	--
12/30/98	--	--	--	Inaccessible	--	--	--	--	--	--	--

what does this mean? able to locate but not spke?

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	TPH-Diesel
MW-5											
05/28/87	--	--	--	--	--	<0.5	<0.5	<0.5	<2.0	--	<5.0
06/15/89	--	--	--	--	<100	<0.2	<2.0	<2.0	<2.0	--	--
12/21/90	5.43	-3.68	9.11	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
06/16/93	5.43	-3.69	9.12	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
12/18/93	5.43	-3.29	8.72	--	<50	<0.5	<0.5	<0.5	<0.5	--	690
03/29/94	5.43	-3.57	9.00	--	--	--	--	--	--	--	--
06/09/94	5.43	-3.93	9.36	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
10/04/94	5.43	--	--	--	--	----	--	--	--	--	--
12/20/94	5.43	-2.67	8.10	-- *	<50	<0.5	<0.5	<0.5	<0.5	--	<50
03/28/95	5.43	-2.78	8.21	--	--	--	--	--	--	--	--
06/30/95	5.43	-3.35	8.78	--	<50	<0.5	<0.5	<0.5	<0.5	--	900
09/24/95	5.43	-2.97	8.40	--	--	--	--	--	--	--	--
12/29/95	5.43	-2.96	8.39	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
03/24/96	5.43	--	--	--	--	--	--	--	--	--	--
06/16/96	5.43	-3.15	8.58	--	<50	<0.5	<0.5	<0.5	<50	--	--
12/08/96	11.11	--	--	No longer sampled	--	--	--	--	--	--	--
12/28/97	11.11	2.74	8.37	--	--	--	--	--	--	--	--
06/21/98	11.11	2.48	8.63	--	--	--	--	--	--	--	--
12/30/98	11.11	--	--	Inaccessible	--	--	--	--	--	--	--

* Mayward to test due to release from 421 23rd Ave. Site Bay Area Diablo Petroleum

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	TPH-Diesel
MW-7											
06/15/89	--	--	--	--	<100	<0.2	<2.0	<2.0	<2.0	--	--
12/21/90	4.51	-3.38	7.90	Free Product (0.01')	--	--	--	--	--	--	--
06/16/93	4.51	-3.94	8.45	--	<50	<0.5	0.9	<0.5	<0.5	--	<50
12/18/93	4.51	-3.50	8.01	--	<50	<0.5	<0.5	<0.5	<0.5	--	240
03/29/94	4.51	-4.09	8.60	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
06/09/94	4.51	-4.10	8.61	--	<50	<0.5	<0.5	<0.5	<0.5	--	130*
10/04/94	4.51	-3.31	7.82	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
12/20/94	4.51	-3.19	7.70	--	<50	<0.5	<0.5	<0.5	<0.5	--	140
03/28/95	4.51	-3.16	7.67	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
06/30/95	4.51	-3.82	8.33	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
09/24/95	4.51	-3.65	8.16	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
12/29/95	4.51	-3.00	7.51	--	<50	<0.5	<0.5	<0.5	<0.5	--	230*
03/24/96	4.51	-3.17	7.69	Free Product (0.01')/ORCs installed	<50	<0.5	<0.5	<0.5	<0.5	--	81
06/16/96	4.51	-5.86	10.37	--	<50	<0.5	<0.5	<0.5	<0.5	--	190
12/08/96	*10.15*	--	--	*No longer sampled*	--	--	--	--	--	--	--
10/16/97	10.15	2.16	7.99	ORCs reinstalled	--	--	--	--	--	--	--
12/28/97	10.15	2.38	7.77	--	--	--	--	--	--	--	--
06/21/98	10.15	2.18	7.97	--	--	--	--	--	--	--	--
12/30/98	10.15	1.37	8.78	Silica gel cleanup	<50	<0.5	<0.5	<0.5	<0.5	<2.5	92*

* 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	MTBE	TPH-Diesel
MW-8											
12/21/90	4.93	-3.59	8.53	Free Product (0.02')	--	--	--	--	--	--	--
12/18/93	4.93	--	--	--	--	--	--	--	--	--	--
03/29/94	4.93	-3.46	8.38	--	--	--	--	--	--	--	--
06/09/94	4.93	--	--	--	--	--	--	--	--	--	--
12/20/94	4.93	-2.66	7.58	--	<2500	120	100	<25	100	--	50,000
03/28/95	4.93	-2.16	7.08	--	--	--	--	--	--	--	--
06/30/95	4.93	-3.17	8.09	--	<50	<0.5	<0.5	<0.5	<0.5	--	14,000
09/24/95	4.93	-3.53	8.45	--	--	--	--	--	--	--	--
12/29/95	4.93	-2.55	7.47	--	520	<2.0	<2.0	<2.0	<2.0	--	25,000
03/24/96	4.93	--	--	--	--	--	--	--	--	--	--
06/16/96	4.93	-3.07	7.99	--	59*	<0.5	<0.5	<0.5	<0.5	--	9400
12/08/96	4.93	-2.74	7.67	--	580*	<0.5	<0.5	<0.5	<0.5	<5.0	16,000
12/08/96	4.93	-2.74	7.67	Silica gel cleanup	--	--	--	--	--	--	9300
06/30/97	10.09	-1.56	11.65	--	1700*	<5.0	<5.0	<5.0	<5.0	<25	5300**
06/30/97	10.09	-1.56	11.65	1st Silica gel/2nd Silica gel cleanup	--	--	--	--	--	--	3100**/3000**
10/16/97	10.09	2.29	7.80	ORCs installed	--	--	--	--	--	--	--
12/28/97	10.09	2.56	7.53	No Purge Sample	<50	<0.5	<0.5	<0.5	<0.5	<2.5	2700*
06/21/98	10.09	2.03	8.06	--	57*	<0.5	0.52	<0.5	0.55	<2.5	3500**
12/30/98	10.09	0.97	9.12	Silica gel cleanup	<50	<0.5	<0.5	<0.5	<0.5	<2.5	900**

* *Chromatogram pattern indicates an unidentified hydrocarbon.*
** Chromatogram pattern indicates an weathered diesel.

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	TPH-Diesel
MW-9											
05/28/87	--	--	--	--	--	<0.5	<0.5	<0.5	<2.0	--	<50
06/15/89		--	--	--	<100	<0.2	<2.0	<2.0	<2.0	--	--
12/21/90		--	7.86	Sheen	<50	<0.5	<0.5	<0.5	1.0	--	230
06/16/93	4.42	-3.92	8.34	--	<50	<0.5	<0.5	<0.5	<1.5	--	<50
12/18/93	4.42	-3.49	7.91	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
03/29/94	4.42	-3.43	7.85	--	--	--	--	--	--	--	--
06/09/94	4.42	-4.27	8.69	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
10/04/94	4.42	--	--	--	--	--	--	--	--	--	--
12/20/94	4.42	-3.18	7.60	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
03/28/95	4.42	-3.16	7.58	--	--	--	--	--	--	--	--
06/30/95	4.42	-3.92	8.34	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
09/24/95	4.42	-3.79	8.21	--	--	--	--	--	--	--	--
12/29/95	4.42	-3.06	7.48	--	<50	<0.5	<0.5	<0.5	<0.5	--	600
03/24/96	4.42	--	--	ORCs installed	--	--	--	--	--	--	--
06/16/96	4.42	-3.83	8.25	--	<50	<0.5	<0.5	<0.5	<0.5	--	810
12/08/96	10.13	--	--	No longer sampled	--	--	--	--	--	--	--
10/16/97	10.13	1.61	8.52	ORCs reinstalled	--	--	--	--	--	--	--
12/28/97	10.13	2.55	7.58	--	--	--	--	--	--	--	--
06/21/98	10.13	2.06	8.07	--	--	--	--	--	--	--	--
12/30/98	10.13	1.85	8.28	Silica gel cleanup	<50	<0.5	<0.5	<0.5	<0.5	<2.5	53*

* 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	MTBE	TPH-Diesel
MW-10											
06/15/89	--	--	--	--	<100	<0.2	<2.0	<2.0	<2.0	--	--
12/21/90	5.24	-3.68	8.92	--	<50	<0.5	<0.5	<0.5	<0.5	--	80
06/16/93	5.24	-3.73	8.97	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
12/18/93	5.24	-2.63	7.87	--	51*	<0.5	<0.5	<0.5	<0.5	--	12,000
03/29/94	5.24	-3.96	9.20	--	--	--	--	--	--	--	--
06/09/94	5.24	-4.07	9.31	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
10/04/94	5.24	--	--	--	--	--	--	--	--	--	--
12/20/94	5.24	-3.06	8.30	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
03/28/95	5.24	-3.02	8.26	--	--	--	--	--	--	--	--
06/30/95	5.24	-3.71	8.95	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
09/24/95	5.24	-3.63	8.87	--	--	--	--	--	--	--	--
12/29/95	5.24	-2.79	8.03	--	<50	<0.5	<0.5	<0.5	<0.5	--	1800*
03/24/96	5.24	--	--	ORCs installed	--	--	--	--	--	--	--
06/16/96	5.24	-3.53	8.77	--	<50	<0.5	<0.5	<0.5	<0.5	--	300
12/08/96	10.91	--	--	No longer sampled	--	--	--	--	--	--	--
10/16/97	10.91	2.31	8.60	ORCs reinstalled	--	--	--	--	--	--	--
12/28/97	10.91	2.59	8.32	--	--	--	--	--	--	--	--
06/21/98	10.91	2.18	8.73	--	--	--	--	--	--	--	--
12/30/98	10.91	2.93	7.98	Silica gel cleanup	<50	<0.5	<0.5	<0.5	<0.5	<2.5	<50

* 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	MTBE	TPH-Diesel
MW-11											
08/21/87	--	--	--	--	--	<0.5	<0.5	<0.5	<2.0	--	<0.1
06/21/89	--	--	--	--	<100	<0.2	<2.0	<2.0	<2.0	--	--
12/21/90	--	--	8.59	Sheen	<50	<0.5	<0.5	<0.5	<0.5	--	<50
03/19/93	4.37	-3.20	7.57	--	<50	<0.5	<0.5	<0.5	<1.5	--	<50
06/16/93	4.37	-4.47	8.84	--	<50	<0.5	<0.5	<0.5	<1.5	--	<50
12/18/93	4.37	-3.89	8.26	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
03/29/94	4.37	-4.70	9.07	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
06/09/94	4.37	-4.77	9.14	--	<50	<0.5	<0.5	<0.5	<0.5	--	150*
10/04/94	4.37	-3.57	7.94	--	<50	<0.5	1.0	<0.5	<0.5	--	<50
12/20/94	4.37	-3.31	7.68	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
03/28/95	4.37	-2.53	6.90	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
06/30/95	4.37	-4.44	8.81	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
09/24/95	4.37	-4.43	8.80	--	<50	<0.5	<0.5	<0.5	<0.5	--	110
12/29/95	4.37	-3.85	8.22	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
03/24/96	4.37	-4.09	8.46	--	<50	<0.5	<0.5	<0.5	<0.5	--	80
06/16/96	4.37	-4.37	8.74	--	<50	<0.5	<0.5	<0.5	<0.5	--	868
12/08/96	4.37	-3.38	7.75		<50	<0.5	<0.5	<0.5	<0.5	<5.0	<50
06/30/97	6.71	-1.92	8.63	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	71**
06/30/97	6.71	-1.92	8.63	Silica gel cleanup	--	--	--	--	--	--	<50
10/16/97	6.71		--	Inaccessible	--	--	--	--	--	--	--
12/28/97	6.71	-0.94	7.65	ORCs installed	<50	<0.5	<0.5	<0.5	<0.5	<2.5	82**
06/21/98	6.71	-1.41	8.12	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	89*
12/30/98	6.71	-1.41	9.25	Silica gel cleanup	<50	<0.5	<0.5	<0.5	<0.5	<2.5	<50

* Chromatogram pattern indicates an unidentified hydrocarbon.
** Chromatogram pattern indicates weathered diesel.

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	TPH-Diesel
MW-12											
08/21/87	--	--	--	--	--	<0.5	<0.5	<0.5	<2.0	--	<0.1
12/18/93	--	--	--	--	--	--	--	--	--	--	--
03/29/94	--	--	--	--	--	--	--	--	--	--	--
06/09/94	--	--	--	Inaccessible	--	--	--	--	--	--	--
MW-13											
08/21/87	--	--	--	--	--	<0.5	<0.5	<0.5	<2.0	--	<0.1
06/15/89	--	--	--	--	<100	<0.2	<2.0	<2.0	<2.0	--	--
03/19/93	4.73	-2.89	7.62	--	<50	<0.5	<0.5	<0.5	<1.5	--	<50
06/16/93	4.73	-3.83	8.56	--	<50	<0.5	<0.5	<0.5	<1.5	--	<50
12/18/93	4.73	-3.38	8.11	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
03/29/94	4.73	-3.92	8.65	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
06/09/94	4.73	-3.87	8.60	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
10/04/94	4.73	-3.58	8.31	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
12/20/94	4.73	-3.19	7.92	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
03/28/95	4.73	-3.05	7.78	--	<50	<0.5	<0.5	<0.5	<0.5	--	<50
06/30/95	4.73	--	--	--	--	--	--	--	--	--	--
09/24/95	4.73	-3.61	8.34	--	<50	<0.5	<0.5	<0.5	<0.5	--	180
12/29/95	4.73		--	Unable to locate	--	--	--	--	--	--	--
03/24/96	4.73	-3.01	7.74	**	<50	<0.5	<0.5	<0.5	<0.5	--	<50
03/24/96	4.73	-3.34	8.07	--	<50	<0.5	<0.5	<0.5	<0.5	--	57*

NO LONGER MONITORED OR SAMPLED

* Chromatogram pattern indicates an unidentified hydrocarbon.
** Total Dissolved Solids by EPA 160.1 detected at 1600 ppb.

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	TPH-Diesel
MW-14											
06/30/97	5.56	-1.92	7.48	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	86**
06/30/97	5.56	-1.92	7.48	--	--	--	--	--	--	--	<50
10/16/97	5.56	-1.86	7.42	--	--	--	--	--	--	--	--
12/28/97	5.56	-1.46	7.02	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	97**
06/21/98	5.56	-1.47	7.03	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	65**
12/30/98	5.56	--	--	Inaccessible	--	--	--	--	--	--	--

Wants Hillman

* Chromatogram pattern indicates weathered diesel.
** 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	MTBE	TPH-Diesel
TRIP BLANK											
03/19/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
06/16/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
12/18/93	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/29/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/09/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/20/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/28/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/30/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
09/24/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/29/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/24/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/16/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/08/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
06/30/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/28/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/21/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
12/30/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--

TABLE OF ADDITIONAL ANALYSES

Analytical results are in parts per billion (ppm)

DATE	ORP (mV)	DO	Nitrate	Notes	Sulfate	Ferrous Iron	Phosphate	Ammonia	Alkalinity
MW-1									
11/09/95	--	0.90	--	--	--	--	--	--	--
06/16/96	--	1.34	>5.0	ORCs Installed	--	--	2.0	>10	--
12/08/96	--	1.39	13.00	--	14	2.6	--	--	--
06/30/97	-16.50	1.00	<1.0	--	10	5.6	--	--	--
10/16/97	--	0.51	--	ORCs Reinstalled	--	--	--	--	--
12/28/97	22.90	2.30	7.60	No Purge Sampling	7.3	1.7	--	--	--
06/21/98	102	1.60	<1.0	--	7.1	0.35	--	--	570
MW-4									
11/09/95	--	0.37	0.20	--	--	--	0	0.01	--
06/16/96	--	--	--	Unable to locate	--	--	--	--	--
12/08/96	--	--	--	Unable to locate	--	--	--	--	--
12/30/98	--	--	--	Inaccessible	--	--	--	--	--
MW-5									
11/09/95	--	0.85	0.10	--	--	--	1.5	0.1	--
06/16/96	--	0.78	--	--	--	--	--	--	--
12/28/97	--	5.24	--	--	--	--	--	--	--
06/21/98	--	2.30	--	--	--	--	--	--	--
12/30/98	--	--	--	Inaccessible	--	--	--	--	--

Cumulative Table of Well Data and Analytical Results

Analytical results are in parts per billion (ppm)

DATE	ORP (mV)	DO	Nitrate	Notes	Sulfate	Ferrous Iron	Phosphate	Ammonia	Alkalinity
MW-7									
11/09/95	--	0.42	--	--	--	--	--	--	--
06/16/96	--	OR	>5.0	ORCs Installed	--	--	4.0	>10	--
10/16/97	--	0.73	--	ORCs Reinstalled	--	--	--	--	--
12/28/97	--	1.10	--		--	--	--	--	--
06/21/98	--	0.58	--		--	--	--	--	--
12/30/98	96.00	2.10	71		56	0.36	--	--	590
MW-8									
11/09/95	--	0.95	--	--	--	--	--	--	--
06/16/96	--	0.29	0.00		--	--	0.6	0.6	--
12/08/96	-35.00	0.51	<0.10		3.0	6.1	--	--	--
06/30/97	-50.20	9.50	<1.0		17	0.22	--	--	--
10/16/97	--	1.84	--	ORCs Installed	--	--	--	--	--
12/28/97	41.60	3.08	<5.0	No Purge Sampling	5.3	0.25	--	--	--
06/21/98	--	2.80	<1.0		11	0.66	--	--	--
12/30/98	87.00	2.00	<1.0		7.7	0.27	--	--	980
MW-9									
11/09/95	--	0.58	--	--	--	--	--	--	--
06/16/96	--	14.66	>5.0	ORCs Installed	--	--	>10	1.0	--
10/16/97	--	3.49	--	ORCs Reinstalled	--	--	--	--	--
12/28/97	--	6.95	--		--	--	--	--	--
06/21/98	--	1.67	--		--	--	--	--	--
12/30/98	121.00	1.40	8.40		16	0.14	--	--	560

Cumulative Table of Well Data and Analytical Results

Analytical results are in parts per billion (ppm)

DATE	ORP (mV)	DO	Nitrate	Notes	Sulfate	Ferrous Iron	Phosphate	Ammonia	Alkalinity
MW-10									
11/09/95	--	1.49	--	--	--	--	--	--	--
06/16/96	--	3.30	1.00	ORCs Installed	--	--	6.0	>10	--
10/16/97	--	8.06	--	ORCs Reinstalled	--	--	--	--	--
12/28/97	--	>19.99	--		--	--	--	--	--
06/21/98	--	18.57	--		--	--	--	--	--
12/30/98	131	1.0	8.8		110	0.13	--	--	320
MW-11									
11/09/95	--	0.52	0.20	--	--	--	5.0	0.1	--
06/16/96	--	0.25	--		--	--	--	--	--
12/08/96	165.00	0.31	340		99	<0.010	--	--	--
06/30/97	-25.00	2.99	350		140	0.015	--	--	--
10/16/97	--	--	--	Inaccessible	--	--	--	--	--
12/28/97	21.50	2.00	240	ORCs Installed	130	0.93	--	--	--
06/21/98	--	0.50	190		190	0.022	--	--	--
12/30/98	136	1.20	220		140	0.041	--	--	290
MW-13									
11/09/95	--	--	--	Unable to locate	--	--	--	--	--
06/16/96	--	0.52	0.10		--	--	0.4	0.2	--

Cumulative Table of Well Data and Analytical Results

Analytical results are in parts per billion (ppm)

DATE	ORP (mV)	DO	Nitrate	Notes	Sulfate	Ferrous Iron	Phosphate	Ammonia	Alkalinity
MW-14									
06/30/97	-31.20	4.56	<1.0	--	41	0.29	--	--	--
10/16/97	--	0.85	--		--	--	--	--	--
12/28/97	133.00	2.75	10.00		35	0.028	--	--	--
06/21/98	--	1.00	28.00		44	0.15	--	--	--
R-2									
11/09/95	--	0.44	0.60	--	--	--	0	0	--
A									
11/09/95	--	0.42	1.00	--	--	--	0	4.0	--

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on December 30, 1998.
Earlier field data and analytical results were provided by Gettler-Ryan.
Elevations surveyed on 09/26/93 by Field Designs relative to City of Oakland Benchmark #3457 and corrected to Mean Sea Level (msl).
(Benchmark datum is 2.998 feet off of msl.)
Site surveyed by Virgil Chavez Land Surveying on 07/03/97. Top of casing elevation measured using the top of curb on the northerly side of 23rd Avenue, using the northeasterly top of rail (of railroad tracks running through site) as reference line. (Benchmark Elevation = 17.91 feet, msl).

ABBREVIATIONS:
TPH = Total Petroleum Hydrocarbons
MTBE = Methyl t-Butyl Ether
ORP = Oxidation Reduction Potential
DO = Dissolved Oxygen
mV = Millivolts
OR = Over-range of instrument

Analytical Appendix

Sequoia Analytical

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

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Christine Lillie

Client Proj. ID: Chevron 206142/981231-P1

Sample Descript: LIQUID,MW-11
Lab Proj. ID: 9812I14-01

Sampled: 12/31/98
Received: 12/31/98
Analyzed: see below

Reported: 01/18/99

LABORATORY ANALYSIS

Analyte	Units	Detection Limit	Method	Analyst	Date Analyzed	Sample Results
Alkalinity: Total	mg CaCO3/L	40	SM 2320	KC	01/04/99	290
Ferrous Iron	mg/L	0.010	3500A Mod	RD	01/06/99	0.041
Nitrate as Nitrate	mg/L	1.0	EPA 300.0	GF	01/05/99	220
Sulfate	mg/L	1.0	EPA 300.0	GF	01/05/99	140

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Please Note:
This sample was preserved in accordance with EPA approved preservation methods.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Christine Lillie

Client Proj. ID: Chevron 206142/981231-P1

Sample Descript: LIQUID,MW-10
Lab Proj. ID: 9812I14-02

Sampled: 12/31/98
Received: 12/31/98
Analyzed: see below

Reported: 01/18/99

LABORATORY ANALYSIS

Analyte	Units	Detection Limit	Method	Analyst	Date Analyzed	Sample Results
Alkalinity: Total	mg CaCO3/L	40	SM 2320	KC	01/04/99	320
Ferrous Iron	mg/L	0.010	3500A Mod	RD	01/06/99	0.13
Nitrate as Nitrate	mg/L	1.0	EPA 300.0	GF	01/05/99	8.8
Sulfate	mg/L	1.0	EPA 300.0	GF	01/05/99	110

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Please Note:
This sample was preserved in accordance with EPA approved preservation methods.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Christine Lillie

Client Proj. ID: Chevron 206142/981231-P1

Sample Descript: LIQUID,MW-9
Lab Proj. ID: 9812I14-03

Sampled: 12/31/98
Received: 12/31/98
Analyzed: see below

Reported: 01/18/99

LABORATORY ANALYSIS

Analyte	Units	Detection Limit	Method	Analyst	Date Analyzed	Sample Results
Alkalinity: Total	mg CaCO3/L	40	SM 2320	KC	01/04/99	560
Ferrous Iron	mg/L	0.010	3500A Mod	RD	01/06/99	0.14
Nitrate as Nitrate	mg/L	1.0	EPA 300.0	GF	01/05/99	8.4
Sulfate	mg/L	1.0	EPA 300.0	GF	01/05/99	16

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Please Note:
This sample was preserved in accordance with EPA approved preservation methods.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Christine Lillie

Client Proj. ID: Chevron 206142/981231-P1
Sample Descript: LIQUID,MW-7
Lab Proj. ID: 9812I14-04

Sampled: 12/31/98
Received: 12/31/98
Analyzed: see below

Reported: 01/18/99

LABORATORY ANALYSIS

Analyte	Units	Detection Limit	Method	Analyst	Date Analyzed	Sample Results
Alkalinity: Total	mg CaCO3/L	40	SM 2320	KC	01/04/99	590
Ferrous Iron	mg/L	0.010	3500A Mod	RD	01/06/99	0.36
Nitrate as Nitrate	mg/L	1.0	EPA 300.0	GF	01/05/99	71
Sulfate	mg/L	1.0	EPA 300.0	GF	01/05/99	56

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Please Note:
This sample was preserved in accordance with EPA approved preservation methods.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Christine Lillie

Client Proj. ID: Chevron 206142/981231-P1

Sample Descript: LIQUID,MW-1
Lab Proj. ID: 9812I14-05

Sampled: 12/31/98
Received: 12/31/98
Analyzed: see below

Reported: 01/18/99

LABORATORY ANALYSIS

Analyte	Units	Detection Limit	Method	Analyst	Date Analyzed	Sample Results
Alkalinity: Total	**mg CaCO3/L**	**40**	**SM 2320**	**KC**	**01/04/99**	**570**
Ferrous Iron	**mg/L**	**0.010**	**3500A Mod**	**RD**	**01/06/99**	**0.35**
Nitrate as Nitrate	mg/L	1.0	EPA 300.0	GF	01/05/99	N.D.
Sulfate	**mg/L**	**1.0**	**EPA 300.0**	**GF**	**01/05/99**	**7.1**

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Please Note:
This sample was preserved in accordance with EPA approved preservation methods.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Christine Lillie

Client Proj. ID: Chevron 206142/981231-P1

Sample Descript: LIQUID,MW-8
Lab Proj. ID: 9812I14-06

Sampled: 12/31/98
Received: 12/31/98
Analyzed: see below

Reported: 01/18/99

LABORATORY ANALYSIS

Analyte	Units	Detection Limit	Method	Analyst	Date Analyzed	Sample Results
Alkalinity: Total	**mg CaCO3/L**	**80**	**SM 2320**	**KC**	**01/04/99**	**980**
Ferrous Iron	**mg/L**	**0.010**	**3500A Mod**	**RD**	**01/06/99**	**0.27**
Nitrate as Nitrate	mg/L	1.0	EPA 300.0	GF	01/05/99	N.D.
Sulfate	**mg/L**	**1.0**	**EPA 300.0**	**GF**	**01/05/99**	**7.7**

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Please Note:
This sample was preserved in accordance with EPA approved preservation methods.

Sequoia Analytical

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

Blaine Tech Services	Client Proj. ID: Chevron 206142/981231-P1	Sampled: 12/31/98
1680 Rogers Avenue	Sample Descript: MW-11	Received: 12/31/98
San Jose, CA 95112	*Matrix:* LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 01/13/99
Attention: Christine Lillie	Lab Number: 9812I14-01	Reported: 01/18/99

QC Batch Number: GC011399802009A
Instrument ID: HP9

Total Purgeable Hydrocarbons (TPPH) with BTEX and MTBE

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

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	96

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

SEQUOIA ANALYTICAL - ELAP #1271

Mike Gregory
Project Manager

Sequoia Analytical

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Blaine Tech Services	Client Proj. ID: Chevron 206142/981231-P1	Sampled: 12/31/98
1680 Rogers Avenue	Sample Descript: MW-11	Received: 12/31/98
San Jose, CA 95112	Matrix: LIQUID	Extracted: 01/06/99
	Analysis Method: EPA 8015 Mod	Analyzed: 01/07/99
Attention: Christine Lillie	Lab Number: 9812I14-01	Reported: 01/18/99

QC Batch Number: GC0106990HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH) with Silica Gel Cleanup

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	76

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

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

Blaine Tech Services	Client Proj. ID: Chevron 206142/981231-P1	Sampled: 12/31/98
1680 Rogers Avenue	Sample Descript: MW-10	Received: 12/31/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 01/13/99
Attention: Christine Lillie	Lab Number: 9812I14-02	Reported: 01/18/99

QC Batch Number: GC011399802009A
Instrument ID: HP9

Total Purgeable Hydrocarbons (TPPH) with BTEX and MTBE

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

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	94

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

SEQUOIA ANALYTICAL - ELAP #1271

Mike Gregory
Project Manager

Sequoia Analytical

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

Blaine Tech Services	Client Proj. ID: Chevron 206142/981231-P1	Sampled: 12/31/98
1680 Rogers Avenue	Sample Descript: MW-10	Received: 12/31/98
San Jose, CA 95112	Matrix: LIQUID	Extracted: 01/06/99
	Analysis Method: EPA 8015 Mod	Analyzed: 01/07/99
Attention: Christine Lillie	Lab Number: 9812114-02	Reported: 01/18/99

QC Batch Number: GC0106990HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH) with Silica Gel Cleanup

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	70

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

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Blaine Tech Services	Client Proj. ID: Chevron 206142/981231-P1	Sampled: 12/31/98
1680 Rogers Avenue	Sample Descript: MW-9	Received: 12/31/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 01/13/99
Attention: Christine Lillie	Lab Number: 9812I14-03	Reported: 01/18/99

QC Batch Number: GC011399802009A
Instrument ID: HP9

Total Purgeable Hydrocarbons (TPPH) with BTEX and MTBE

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

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	95

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

SEQUOIA ANALYTICAL - ELAP #1271

Mike Gregory
Project Manager

Sequoia Analytical

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

Blaine Tech Services	Client Proj. ID: Chevron 206142/981231-P1	Sampled: 12/31/98
1680 Rogers Avenue	Sample Descript: MW-9	Received: 12/31/98
San Jose, CA 95112	Matrix: LIQUID	Extracted: 01/06/99
	Analysis Method: EPA 8015 Mod	Analyzed: 01/08/99
Attention: Christine Lillie	Lab Number: 9812I14-03	Reported: 01/18/99

QC Batch Number: GC0106990HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH) with Silica Gel Cleanup

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	50	53
Chromatogram Pattern:	C9-C24	Unid.-HC

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	85

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

SEQUOIA ANALYTICAL - *ELAP #1210*

Mike Gregory
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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Blaine Tech Services	Client Proj. ID: Chevron 206142/981231-P1	Sampled: 12/31/98
1680 Rogers Avenue	Sample Descript: MW-7	Received: 12/31/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 01/13/99
Attention: Christine Lillie	Lab Number: 9812114-04	Reported: 01/18/99

QC Batch Number: GC011399802009A
Instrument ID: HP9

Total Purgeable Hydrocarbons (TPPH) with BTEX and MTBE

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

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	96

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

SEQUOIA ANALYTICAL - ELAP #1271

Mike Gregory
Project Manager

Sequoia Analytical

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Blaine Tech Services	Client Proj. ID: Chevron 206142/981231-P1	Sampled: 12/31/98
1680 Rogers Avenue	Sample Descript: MW-7	Received: 12/31/98
San Jose, CA 95112	Matrix: LIQUID	Extracted: 01/06/99
	Analysis Method: EPA 8015 Mod	Analyzed: 01/08/99
Attention: Christine Lillie	Lab Number: 9812114-04	Reported: 01/18/99

QC Batch Number: GC0106990HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH) with Silica Gel Cleanup

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	**50**	**92**
Chromatogram Pattern:	**C9-C24**	**Unid.-HC**

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	80

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Christine Lillie

Client Proj. ID: Chevron 206142/981231-P1
Sample Descript: MW-1
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9812I14-05

Sampled: 12/31/98
Received: 12/31/98

Analyzed: 01/13/99
Reported: 01/18/99

QC Batch Number: GC011399802009A
Instrument ID: HP9

Total Purgeable Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	N.D.
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	N.D.
Toluene	**0.50**	**0.51**
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 #1271

Mike Gregory
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Chevron 206142/981231-P1	Sampled: 12/31/98
1680 Rogers Avenue	Sample Descript: MW-1	Received: 12/31/98
San Jose, CA 95112	Matrix: LIQUID	Extracted: 01/06/99
	Analysis Method: EPA 8015 Mod	Analyzed: 01/08/99
Attention: Christine Lillie	Lab Number: 9812114-05	Reported: 01/18/99

QC Batch Number: GC0106990HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH) with Silica Gel Cleanup

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	**50**	**230**
Chromatogram Pattern:	**C9-C24**	**Unid.-HC**

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	71

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Christine Lillie

Client Proj. ID: Chevron 206142/981231-P1
Sample Descript: MW-8
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9812I14-06

Sampled: 12/31/98
Received: 12/31/98

Analyzed: 01/14/99
Reported: 01/18/99

QC Batch Number: GC011499802009A
Instrument ID: HP9

Total Purgeable Hydrocarbons (TPPH) with BTEX and MTBE

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

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	97

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

SEQUOIA ANALYTICAL - ELAP #1271

Mike Gregory
Project Manager

Sequoia Analytical

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Blaine Tech Services	Client Proj. ID: Chevron 206142/981231-P1	Sampled: 12/31/98
1680 Rogers Avenue	Sample Descript: MW-8	Received: 12/31/98
San Jose, CA 95112	Matrix: LIQUID	Extracted: 01/06/99
	Analysis Method: EPA 8015 Mod	Analyzed: 01/08/99
Attention: Christine Lillie	Lab Number: 9812I14-06	Reported: 01/18/99

QC Batch Number: GC0106990HBPEXA
Instrument ID: GCHP5A

Total Extractable Petroleum Hydrocarbons (TEPH) with Silica Gel Cleanup

Analyte	Detection Limit ug/L	Sample Results ug/L
TEPH as Diesel	**50**	**900**
Chromatogram Pattern:	**C9-C24**	**W-diesel**

Surrogates	Control Limits %		% Recovery
n-Pentacosane (C25)	50	150	78

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

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services	Client Proj. ID: Chevron 206142/981231-P1	Sampled: 12/31/98
1680 Rogers Avenue	Sample Descript: TB	Received: 12/31/98
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 01/13/99
Attention: Christine Lillie	Lab Number: 9812I14-07	Reported: 01/18/99

QC Batch Number: GC011399802005A
Instrument ID: HP5

Total Purgeable Hydrocarbons (TPPH) with BTEX and MTBE

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

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	94

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

SEQUOIA ANALYTICAL - ELAP #1271

Mike Gregory
Project Manager

Sequoia Analytical

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Blaine Tech Services	Client Proj. ID: Chevron 206142/981231-P1	Received: 12/31/98
1680 Rogers Avenue San Jose, CA 95112 Attention: Christine Lillie	Lab Proj. ID: 9812114	Reported: 01/18/99

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 28 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

Sequoia Analytical

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112
Attention: Christine Lillie

Client Project ID: Chevron 206142/981231-P1

QC Sample Group: 9812I14-01-06

Reported: Jan 18, 1999

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 8015A
Analyst:	A. PORTER
ANALYTE	Diesel

QC Batch #: GC010699OHBPEXA

LCS ID: BLK010699AS/ASD
Date Prepared: 1/6/99
Date Analyzed: 1/7/99
Instrument I.D.#: GCHP5A

Conc. Spiked, ug/L: 1000

Blank Spike, ug/L: 790
% Recovery: 79

Blank Spike Duplicate, ug/L: 700
% Recovery: 70

Relative % Difference: 12

% Recovery Control Limits: 50-150

RPD Control Limits: 0-50

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

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

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112
Attention: Christine Lillie

Client Project ID: Chevron 206142/981231-P1

QC Sample Group: 9812114-01-06

Reported: Jan 18, 1999

QUALITY CONTROL DATA REPORT

Matrix:	Liquid
Method:	EPA 310.2
Analyst:	K. Cesar
ANALYTE	Alkalinity

QC Batch #: IN0104983102FIB

Sample No.:	9812H80-1
Date Prepared:	1/4/99
Date Analyzed:	1/4/99
Instrument I.D.#:	FIA
Sample Conc., mg/L:	510
Conc. Spiked, mg/L:	100
Matrix Spike, mg/L:	610
% Recovery:	100
Matrix Spike Duplicate, mg/L:	600
% Recovery:	90
Relative % Difference:	11
RPD Control Limits:	0-20

LCS Batch#: LCS010499A

Date Prepared:	1/4/99
Date Analyzed:	1/4/99
Instrument I.D.#:	FIA
Conc. Spiked, mg/L:	200
LCS Recovery, mg/L:	210
LCS % Recovery:	105

Percent Recovery Control Limits:

MS/MSD	75-125
LCS	80-120

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

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

Mike Gregory
Project Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342

Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112
Attention: Christine Lillie

Client Project ID: Chevron 206142/981231-P1

QC Sample Group: 9812I14-01-06

Reported: Jan 18, 1999

QUALITY CONTROL DATA REPORT

Matrix: Liquid
Method: EPA 300.0
Analyst: G. Fish

ANALYTE	Fluoride	Chloride	Nitrite	Bromide	Nitrate	Phosphate	Sulfate
QC Batch #: 0105993000ACD							
Sample No.:	9812I14-6						
Date Prepared:	1/5/99	1/5/99	1/5/99	1/5/99	1/5/99	1/5/99	1/5/99
Date Analyzed:	1/5/99	1/5/99	1/5/99	1/5/99	1/5/99	1/5/99	1/5/99
Instrument I.D.#:	INAC1	INAC1	INAC1	INAC1	INAC1	INAC1	INAC1
Sample Conc., mg/L:	N.D.	480	N.D.	8.8	N.D.	N.D.	7.7
Conc. Spiked, mg/L:	100	100	100	100	100	100	100
Matrix Spike, mg/L:	110	580	98	94	93	84	96
% Recovery:	110	100	98	85	93	84	88
Matrix Spike Duplicate, mg/L:	110	580	98	94	93	86	96
% Recovery:	110	100	98	85	93	86	88
Relative % Difference:	0.0	0.0	0.0	0.0	0.0	2.4	0.0
RPD Control Limits:							
LCS Batch#: LCS0105993000ACC							
Date Prepared:	1/5/99	1/5/99	1/5/99	1/5/99	1/5/99	1/5/99	1/5/99
Date Analyzed:	1/5/99	1/5/99	1/5/99	1/5/99	1/5/99	1/5/99	1/5/99
Instrument I.D.#:	INAC1	INAC1	INAC1	INAC1	INAC1	INAC1	INAC1
Conc. Spiked, mg/L:	10	10	10	10	10	10	10
LCS Recovery, mg/L:	11	10	10	9.4	9.6	9.8	9.4
LCS % Recovery:	109	102	100	94	96	98	94
Percent Recovery Control Limits:							
MS/MSD	75-125	75-125	75-125	75-125	75-125	75-125	75-125
LCS	90-110	90-110	90-110	90-110	90-110	90-110	90-110

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

Please Note:

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

Sequoia Analytical

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Blaine Tech Services, Inc.
1680 Rogers Ave.
San Jose, CA 95112
Attention: Christine Lillie

Client Project ID: Chevron 206142/ 981231-P1
Matrix: Liquid
Work Order #: 9812I14 -01-05
Reported: Jan 18, 1999

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX as TPH
QC Batch#:	GC011399802009A	GC011399802009A	GC011399802009A	GC011399802009A	GC011399802009A
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:	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb
MS/MSD #:	8122464	8122464	8122464	8122464	8122464
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	1/13/99	1/13/99	1/13/99	1/13/99	1/13/99
Analyzed Date:	1/13/99	1/13/99	1/13/99	1/13/99	1/13/99
Instrument I.D.#:	HP9	HP9	HP9	HP9	HP9
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	360 µg/L
Result:	17	20	21	66	310
MS % Recovery:	85	100	105	110	86
Dup. Result:	18	21	22	69	330
MSD % Recov.:	90	105	110	115	92
RPD:	5.7	4.9	4.7	4.4	6.3
RPD Limit:	0-20	0-20	0-20	0-20	0-50
LCS #:	LCS011399	LCS011399	LCS011399	LCS011399	LCS011399
Prepared Date:	1/13/99	1/13/99	1/13/99	1/13/99	1/13/99
Analyzed Date:	1/13/99	1/13/99	1/13/99	1/13/99	1/13/99
Instrument I.D.#:	HP9	HP9	HP9	HP9	HP9
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	360 µg/L
LCS Result:	22	22	23	71	330
LCS % Recov.:	110	110	115	118	92
MS/MSD Control Limits	60-140	60-140	60-140	60-140	
LCS Control Limits	70-130	70-130	70-130	70-130	50-150

SEQUOIA ANALYTICAL
Elap #1271

Mike Gregory
Project Manager

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

Sequoia Analytical

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

Blaine Tech Services, Inc.
1680 Rogers Ave.
San Jose, CA 95112
Attention: Christine Lillie

Client Project ID: Chevron 206142/ 981231-P1
Matrix: Liquid
Work Order #: 9812I14-06
Reported: Jan 18, 1999

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX as TPH
QC Batch#:	GC011499802009A	GC011499802009A	GC011499802009A	GC011499802009A	GC011499802009A
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:	C. Westwater	C. Westwater	C. Westwater	C. Westwater	C. Westwater
MS/MSD #:	9010125	9010125	9010125	9010125	9010125
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	1/14/99	1/14/99	1/14/99	1/14/99	1/14/99
Analyzed Date:	1/14/99	1/14/99	1/14/99	1/14/99	1/14/99
Instrument I.D.#:	HP9	HP9	HP9	HP9	HP9
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	360 µg/L
Result:	21	21	22	67	320
MS % Recovery:	105	105	110	112	97
Dup. Result:	22	22	22	68	330
MSD % Recov.:	110	110	110	113	100
RPD:	4.7	4.7	0.0	1.5	3.1
RPD Limit:	0-20	0-20	0-20	0-20	0-50
LCS #:	LCS011499	LCS011499	LCS011499	LCS011499	LCS011499
Prepared Date:	1/14/99	1/14/99	1/14/99	1/14/99	1/14/99
Analyzed Date:	1/14/99	1/14/99	1/14/99	1/14/99	1/14/99
Instrument I.D.#:	HP9	HP9	HP9	HP9	HP9
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	360 µg/L
LCS Result:	22	22	22	69	340
LCS % Recov.:	110	110	110	115	103
MS/MSD	60-140	60-140	60-140	60-140	
LCS	70-130	70-130	70-130	70-130	50-150
Control Limits					

SEQUOIA ANALYTICAL
Elap #1271

Mike Gregory
Project Manager

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Sequoia Analytical

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Blaine Tech Services, Inc.	Client Project ID:	Chevron 206142/ 981231-P1	
1680 Rogers Ave.	Matrix:	Liquid	
San Jose, CA 95112			
Attention: Christine Lillie	Work Order #:	9812I14-07	Reported: Jan 18, 1999

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX as TPH
QC Batch#:	GC011399802005A	GC011399802005A	GC011399802005A	GC011399802005A	GC011399802005A
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:	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb	D. Newcomb
MS/MSD #:	9010070	9010070	9010070	9010070	9010070
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	1/13/99	1/13/99	1/13/99	1/13/99	1/13/99
Analyzed Date:	1/13/99	1/13/99	1/13/99	1/13/99	1/13/99
Instrument I.D.#:	HP5	HP5	HP5	HP5	HP5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	280 µg/L
Result:	15	17	18	56	280
MS % Recovery:	75	85	90	93	100
Dup. Result:	15	18	19	59	270
MSD % Recov.:	75	90	95	98	96
RPD:	0.0	5.7	5.4	5.2	3.6
RPD Limit:	0-20	0-20	0-20	0-20	0-50
LCS #:	LCS011399	LCS011399	LCS011399	LCS011399	LCS011399
Prepared Date:	1/13/99	1/13/99	1/13/99	1/13/99	1/13/99
Analyzed Date:	1/13/99	1/13/99	1/13/99	1/13/99	1/13/99
Instrument I.D.#:	HP5	HP5	HP5	HP5	HP5
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	280 µg/L
LCS Result:	21	21	21	66	280
LCS % Recov.:	105	105	105	110	100
MS/MSD Control Limits	60-140	60-140	60-140	60-140	50-150
LCS Control Limits	70-130	70-130	70-130	70-130	

SEQUOIA ANALYTICAL
Elap #1271

Mike Gregory
Project Manager

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Sequoia Analytical

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Blaine Tech Services, Inc.
1680 Rogers Ave.
San Jose, CA 95112
Attention: Christine Lillie

Client Project ID: Chevron 206142/ 981231-P1
Matrix: Liquid
Work Order #: 9812I14-01-06

Reported: Jan 18, 1999

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel
QC Batch#:	ME0105996010MDA	ME0105996010MDA	ME0105996010MDA	ME0105996010MDA
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3010	EPA 3010	EPA 3010	EPA 3010
Analyst:	C. Medefesser	C. Medefesser	C. Medefesser	C. Medefesser
MS/MSD #:	990106901	990106901	990106901	990106901
Sample Conc.:	N.D.	N.D.	0.038	N.D.
Prepared Date:	1/5/99	1/5/99	1/5/99	1/5/99
Analyzed Date:	1/6/99	1/6/99	1/6/99	1/6/99
Instrument I.D.#:	MTJA5	MTJA5	MTJA5	MTJA5
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
Result:	0.88	0.87	1.0	0.94
MS % Recovery:	88	87	96	94
Dup. Result:	0.89	0.87	0.94	0.92
MSD % Recov.:	89	87	90	92
RPD:	1.1	0.0	6.2	2.2
RPD Limit:	0-20	0-20	0-20	0-20
LCS #:	LCS010599	LCS010599	LCS010599	LCS010599
Prepared Date:	1/5/99	1/5/99	1/5/99	1/5/99
Analyzed Date:	1/6/99	1/6/99	1/6/99	1/6/99
Instrument I.D.#:	MTJA5	MTJA5	MTJA5	MTJA5
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
LCS Result:	1.0	1.0	1.0	1.0
LCS % Recov.:	100	100	100	100
MS/MSD Control Limits	80-120	80-120	80-120	80-120
LCS Control Limits	80-120	80-120	80-120	80-120

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

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

9812114

Chain-of-Custody-Record

Chevron Products Co.
P.O. BOX 6004
San Ramon, CA 94583
FAX (925)842-8370

Chevron Facility Number: 206142
Facility Address: 333 23rd Ave., Oakland
Consultant Project Number: 981231-P1
Consultant Name: BLAINE TECH SERVICE, INC.
Address: 1680 ROGERS AVE., SAN JOSE
Project Contact (Name): CHRISTINE LILLIE
(Phone) 408-573-0555 (Fax Number) 408-573-7771

Chevron Contact (Name): BOB COCHRAN
(Phone) (925) 842-9655
Laboratory Name: SEQUOIA
Laboratory Service Order: 9144488
Laboratory Service Code: ZZ02800
Samples Collected by (Name): Paul Sanna
Signature:

State Method: ☐ CA ☐ OR ☐ WA ☐ NW Series ☐ CO ☐ UT

Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Sample Preservation	Date/Time	BTEX/MTBE+TPH GAS (8020 + 8015)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015) Silica gel	Oxygenates (8260)	Purgeable Halocarbons (8010)	Purgeable Organics (8260)	Extractable Organics (8270)	Oil and Grease (5520)	Metals (ICAP or AA) Cd,Cr,Pb,Zn,Ni	BTEX (8020)	BTEX/MTBE/Naph. (8020)	TPH - HCID	TPH-D Extended	Alkalinity	Nitrate, Sulfate 300.0	Formaldehyde EPA 8015			Remarks / Lab Sample No.
MW-11	7	W	01	12/31 8:59	X		X											X	X	X			
MW-10	7	W	02	↓ 9:45	X		X											X	X	X			
MW-9	7	W	03	↓ 10:05	X		X											X	X	X			
MW-7	7	W	04	↓ 10:35	X		X											X	X	X			
MW-1	7	W	05	↓ 11:05	X		X											X	X	X			
MW-8	7	W	06	↓ 11:35	X		X											X	X	X			
TB	2	W	07		X																		

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N
	Blaine	12/31 14:00				
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	Iced Y/N
					1-2-98 11:00	Y

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

Field
Data
Sheets

WELL GAUGING DATA

Project # 981230-P-1 Date 12-30-98 Client Chevron

Site 333 23rd. Ave. Oakland

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
MW-1	4					8.53	19.56		
MW-4	2		Inaccessible						
MW-5	4		Inaccessible						
MW-7	4					8.78	18.85		
MW-8	4					9.12	15.65		
MW-9	4					8.28	19.75		
MW-10	4					7.98	18.60		
MW-11	2					9.25	20.55		
MW-14	2		Inaccessible						

CHEVRON WELL MONITORING DATA SHEET

Project #: 981231-P1	Station #: 706142
Sampler: Paul	Date: 12-31-98
Well I.D.: MW-1	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 19.36	Depth to Water: 8.53
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
(4")	0.65	Other	radius² * 0.163

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

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

7.0 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 21 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
10:53	66.2	7.0	1300	7	
10:54	65.8	6.9	1600	14	
10:55	65.4	6.9	1900	21	

Did well dewater? Yes (No)		Gallons actually evacuated: 21	
Sampling Time: 11:05		Sampling Date: 12-31-98	
Sample I.D.: MW-1		Laboratory: (Sequoia) CORE N. Creek Assoc. Labs	
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: Bio-Suicide		
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D Other:		
D.O. (if req'd):	Pre-purge: 1.6 mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge: 102 mV	Post-purge:	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 981231-P1	Station #: 206142
Sampler: Paul	Date: 12-31-98
Well I.D.: MW-4	Well Diameter: (2") 3 4 6 8 ___
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius² * 0.163

Purge Method: Bailer / Disposable Bailer / Middleburg / Electric Submersible / Extraction Pump / Other: _____

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

_____ (1 Case Volume (Gals.)) X _____ (Specified Volumes) = _____ Gals. (Calculated Volume)

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
9:15		Inaccessible Well			
		Well Covered			

Did well dewater? Yes No		Gallons actually evacuated:	
Sampling Time:		Sampling Date:	
Sample I.D.:		Laboratory: Sequoia CORE 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 #: 981231-P1	Station #: 206142
Sampler: Paul	Date: 12-31-98
Well I.D.: MW-5	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius² * 0.163

Purge Method: Bailer / Disposable Bailer / Middleburg / Electric Submersible / Extraction Pump / Other: _____

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

_____ (1 Case Volume (Gals.)) X _____ (Specified Volumes) = _____ Gals. (Calculated Volume)

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
9:25		Inaccessible Well			
		Well Covered			

Did well dewater? Yes No		Gallons actually evacuated:		
Sampling Time:		Sampling Date:		
Sample I.D.:		Laboratory: Sequoia CORE 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 #: 981231-P1	Station #: 206142
Sampler: PAUL	Date: 12-31-98
Well I.D.: MW-7	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 16.85	Depth to Water: 8.78
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
(4")	0.65	Other	radius² * 0.163

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

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

6.5 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 19.6 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
10:23	65.4	6.7	1240	7	
10:24	64.8	6.6	1400	14	
10:25	64.6	6.6	1500	21	

Did well dewater? Yes (No) Gallons actually evacuated: 21

Sampling Time: 10:35 Sampling Date: 12-31-98

Sample I.D.: MW-7 Laboratory: (Sequoia) CORE N. Creek Assoc. Labs

Analyzed for: (TPH-G BTEX MTBE TPH-D) Other: Bio-Suite

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

D.O. (if req'd):	Pre-purge:	2.1 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	Pre-purge:	96 mV	Post-purge:		mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 981231-P1	Station #: 206147
Sampler: Paul	Date: 12-31-98
Well I.D.: MW-8	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 15.65	Depth to Water: 9.12
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
(4")	0.65	Other	radius² * 0.163

Purge Method: Bailer / Disposable Bailer / Middleburg / (Electric Submersible) / Extraction Pump / Other: ____

Sampling Method: Bailer / (Disposable Bailer) / ~~Extraction Port~~ / Other: ____

4.2 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 12.7 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
11:25	66.2	7.0	2600	5	
11:26	65.8	7.1	2800	10	
11:27	65.6	7.1	3000	15	

Did well dewater? Yes (No) Gallons actually evacuated: 15

Sampling Time: 11:35 Sampling Date: 12-31-98

Sample I.D.: MW-8 Laboratory: (Sequoia) CORE N. Creek Assoc. Labs

Analyzed for: (TPH-G) (BTEX) (MTBE) ~~TPH-D~~ Other: Bio-Suite

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

D.O. (if req'd):	(Pre-purge):	2.0 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	(Pre-purge):	87 mV	Post-purge:		mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 981231-P1	Station #: 200147
Sampler: PAC 1	Date: 12-31-98
Well I.D.: MW-9	Well Diameter: 2 3 (4) 6 8 ____
Total Well Depth: 19.75	Depth to Water: 8.28
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
(4")	0.65	Other	radius² * 0.163

Purge Method: Bailer / Disposable Bailer / Middleburg / (Electric Submersible) / Extraction Pump / Other: ____

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

1 Case Volume (Gals.)	X	Specified Volumes	=	Calculated Volume
7.4	X	3	=	223 Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
9:56	65.8	6.9	2100	8	
9:57	65.4	7.0	1900	16	
9:58	65.0	7.0	1800	24	

Did well dewater? Yes (No)		Gallons actually evacuated: 24	
Sampling Time: 10:05		Sampling Date: 12-31-98	
Sample I.D.: MW-9		Laboratory: (Sequoia) CORE N. Creek Assoc. Labs	
Analyzed for: ~~TPH-G~~ ~~BTEX~~ ~~MTBE~~ ~~TPH-D~~ (Other: Bio-Suite)			
Duplicate I.D.:	Analyzed for: ~~TPH-G~~ ~~BTEX~~ ~~MTBE~~ ~~TPH-D~~ Other:		
D.O. (if req'd):	Pre-purge: 1.4 mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge: 121 mV	Post-purge:	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 981231-P1	Station #: 20642
Sampler: Paul	Date: 12-31-98
Well I.D.: MW-10	Well Diameter: 2 3 (4) 6 8 ___
Total Well Depth: 18.60	Depth to Water: 7.98
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
2"	0.16	5"	1.02
3"	0.37	6"	1.47
(4")	0.65	Other	radius² * 0.163

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

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

6.9 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 20.7 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
9:35	66.2	6.8	2600	7	
9:36	65.4	6.7	2700	14	
9:37	65.0	6.7	2900	21	

Did well dewater? Yes (No)		Gallons actually evacuated: 21	
Sampling Time: 9:45		Sampling Date: 12-31-98	
Sample I.D.: MW-10		Laboratory: (Sequoia) CORE N. Creek Assoc. Labs	
Analyzed for: TPH-G BTEX MTBE TPH-D (Other:)	Bio-Suite		
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D Other:		
D.O. (if req'd):	(Pre-purge:) 1.0 mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	(Pre-purge:) 131 mV	Post-purge:	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 981231-P1	Station #: 206142
Sampler: PAUL	Date: 12-31-98
Well I.D.: MW-11	Well Diameter: (2") 3 4 6 8 ___
Total Well Depth: 20.55	Depth to Water: 9.25
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
(2")	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius² * 0.163

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

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

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

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
8:45	65.8	6.9	2400	2	
8:49	65.4	6.9	2500	4	
8:53	65.0	6.8	2600	6	

Did well dewater? Yes (No) Gallons actually evacuated: 6

Sampling Time: 8:59 Sampling Date: 12-31-98

Sample I.D.: MW-11 Laboratory: (Sequoia) CORE N. Creek Assoc. Labs

Analyzed for: (TPH-G BTEX MTBE TPH-D) (Other: Bio-suite)

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

D.O. (if req'd):	(Pre-purge:)	1.2 mg/L	Post-purge:		mg/L
O.R.P. (if req'd):	(Pre-purge:)	136 mV	Post-purge:		mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 981231-P1	Station #: 206142
Sampler: PAUL	Date: 12-31-98
Well I.D.: MW-14	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

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

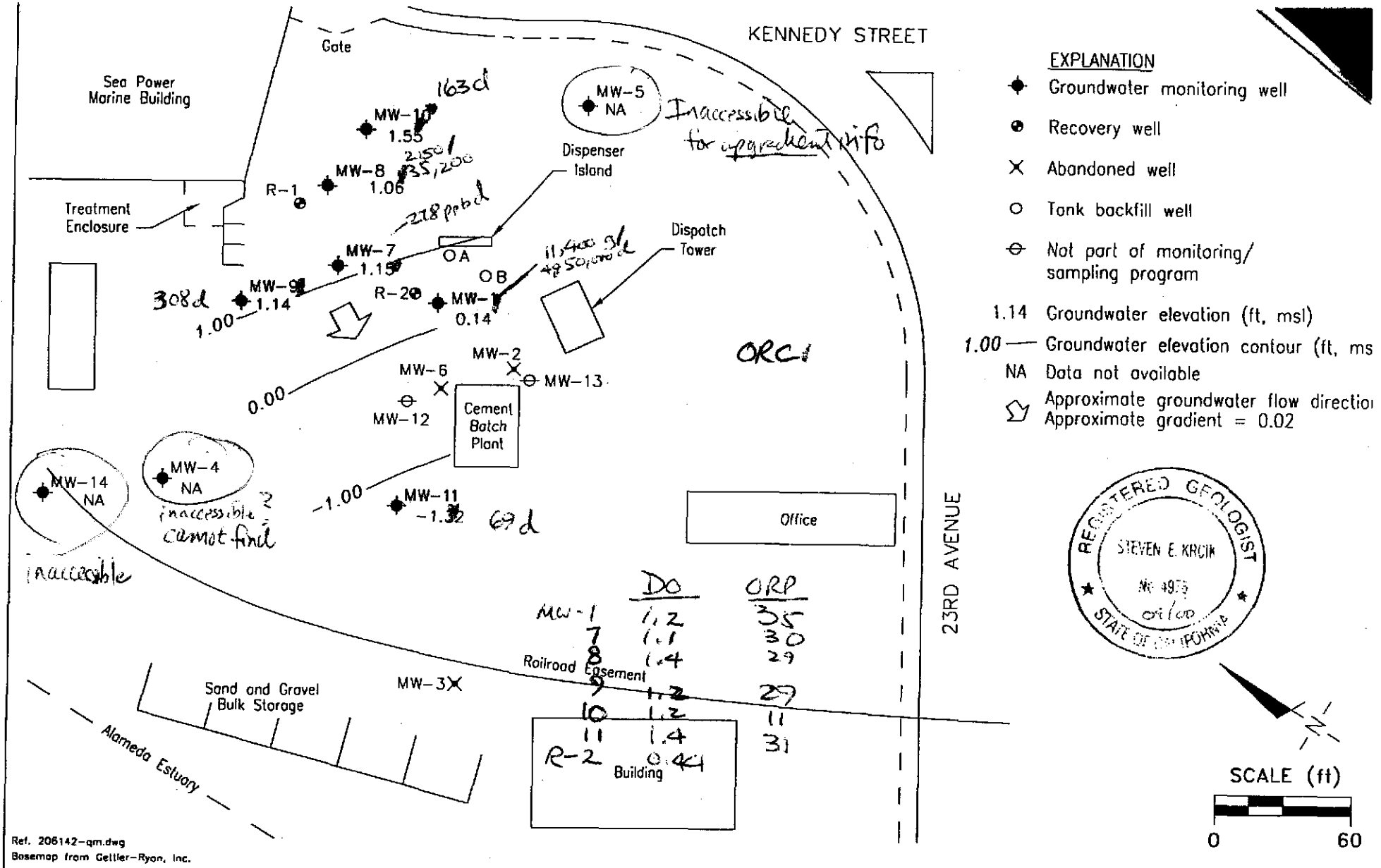
Purge Method: Bailer / Disposable Bailer / Middleburg / Electric Submersible / Extraction Pump / Other: _____

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

_____ (1 Case Volume (Gals.)) X _____ (Specified Volumes) = _____ Gals. (Calculated Volume)

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
8:32		Inaccessible Well			
		Well Covered			

Did well dewater? Yes No		Gallons actually evacuated:		
Sampling Time:		Sampling Date:		
Sample I.D.:		Laboratory: Sequoia CORE 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



Ref. 206142-qm.dwg
Basemap from Getler-Ryan, Inc.

PREPARED BY
RRM
engineering contracting firm

Chevron/RMC Lonestar Facility CPS #206142
333 23rd Avenue
Oakland, California

GROUNDWATER ELEVATION CONTOUR MAP, JUNE 24, 1999

FIGURE: 1
PROJECT: DAC04

MW 1 - Gw elevation - DTW 10.02 lowest ever (Contamination in satd zone)