

ENVIRONMENTAL
PROTECTION
99 APR 20 PM 1:24



Chevron

April 19, 1999

Chevron Products Company
6001 Bollinger Canyon Road
Building L, Room 1110
PO Box 6004
San Ramon, CA 94583-0904

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

Philip R. Briggs
Project Manager
Site Assessment & Remediation
Phone 925 842-9136
Fax 925 842-8370

Re: Former Chevron Service Station #9-4930
3369 Castro Valley Blvd., Castro Valley, California

Dear Mr. Seery:

Enclosed is the First Quarter Groundwater Monitoring Report for 1999 that was prepared by Blaine Tech Services Inc., for the above noted site. The groundwater samples were analyzed for TPH-g, BTEX and MtBE constituents. Monitoring wells MW-1, MW-2 and MW-4 are sampled quarterly while well MW-3 is sampled semi-annually (1st and 3rd quarters).

The concentrations in wells MW-1 and MW-2 were below method detection limits for the BTEX and MtBE constituents, while the concentrations in wells MW-3 and MW-4 were below method detection limits for all the constituents. It appears that natural attenuation is occurring at this site and if the concentrations are similar in the next sampling event, Chevron will request that the site be reviewed for closer.

Depth to ground water varied from 4.28 feet to 6.56 feet below grade with a direction of flow southwesterly.

Chevron will continue to monitor the site as outlined above. If you have any questions call me at (925) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY

A handwritten signature in cursive script that reads "Philip R. Briggs".

Philip R. Briggs
Site Assessment and Remediation Project Manager

April 19, 1999
Mr. Scott Seery
Former Chevron Service Station #9-4930
Page 2

Enclosure

Cc. Ms. Bette Owen, Chevron Products Co.

Mr. Chuck Headlee
RWQCB-San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, CA 94612

Anna Counelis & Tula Gallanes
109 Casa Vieja
Orinda, CA 94563

**Chevron**

May 10, 1999

Chevron Products Company
6001 Bollinger Canyon Road
Building L, Room 1080
PO Box 6004
San Ramon, CA 94583-0904

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

Philip R. Briggs
Project Manager
Site Assessment & Remediation
Phone 925 842-9136
Fax 925 842-8370

Subject: Certified List of Record Fee Title Owners
For: Former Chevron Service Station # 9-4930
3369 Castro Valley Blvd., Castro Valley, California

Dear Mr. Seery:

In accordance with section 25297.15(a) of Chapter 6.7 of the Health & Safety Code, Chevron Products Company, certify that the following is a complete list of current record fee title owners and their mailing addresses for the above site:

Anna Counelis & Tula Gallanes
109 Casa Vieja
Orinda, CA 94563

Sincerely,

CHEVRON PRODUCTS COMPANY

A handwritten signature in cursive script that reads "Philip R. Briggs".

Philip R. Briggs
Site Assessment and Remediation Project Manger

CC Mr. Chuck Headlee
RWQCB-San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, CA 94612

Ms. Bette Owen, Chevron



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

ENVIRONMENTAL
PROTECTION

99 APR 20 PM 1:24

April 14, 1999

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

1st Quarter 1999 Monitoring at 9-4930

First Quarter 1999 Groundwater Monitoring at
Former Chevron Service Station Number 9-4930
3369 Castro Valley Blvd.
Castro Valley, CA

Monitoring Performed on March 2, 1999

Groundwater Sampling Report 990302-R-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,



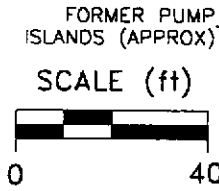
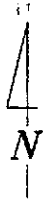
Christine Lillie
Project Coordinator

CAL/sb

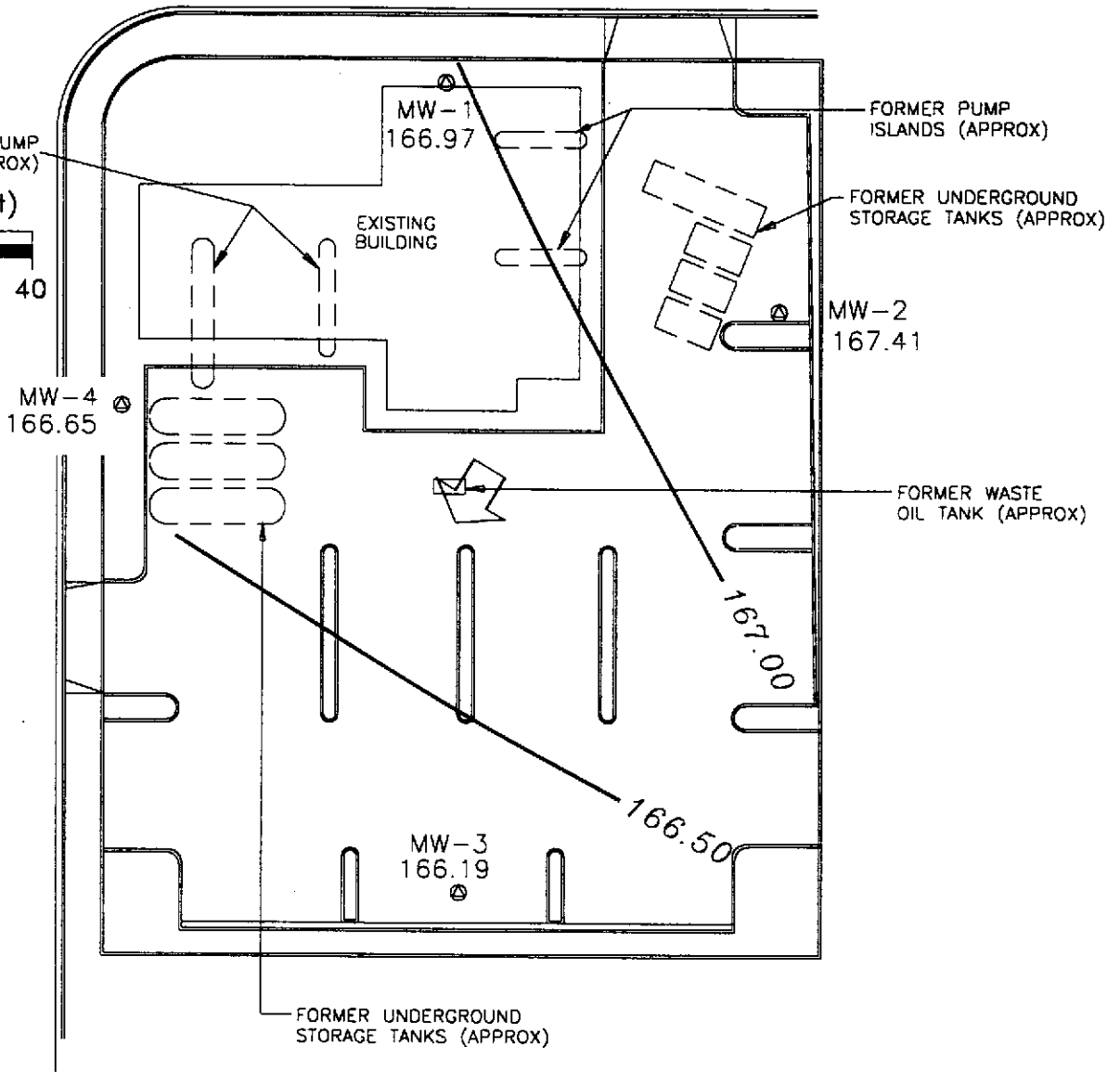
attachments: Professional Engineering Appendix
Cumulative Table of Well Data and Analytical Results
Analytical Appendix
Field Data Sheets

Professional Engineering Appendix

CASTRO VALLEY BLVD.



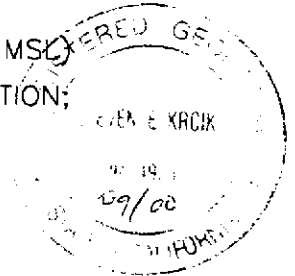
WILBEAM AVE.



EXPLANATION

- ⊙ MONITORING WELL
- 166.65 GROUNDWATER ELEVATION (FT, MSL)
- 167.00 — GROUNDWATER ELEVATION CONTOUR (FT, MSL)
- ⬆ APPROXIMATE GROUNDWATER FLOW DIRECTION;
APPROXIMATE GRADIENT = 0.008

Basemap from Geoconsultants, Inc.



PREPARED BY

RRM
engineering contracting firm

Former Chevron Station 9-4930
3369 Castro Valley Boulevard
Castro Valley, California

GROUNDWATER ELEVATION CONTOUR MAP,
MARCH 2, 1999

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	1,2-DCE	TCE	DCFM	PCE	MTBE
MW-1														
10/29/93	172.90	166.15	6.75	--	1000	11	17	32	110	--	--	--	--	--
02/25/94	172.90	166.80	6.10	--	250	6.0	1.0	5.0	3.0	--	--	--	--	--
04/04/94	172.90	166.14	6.76	--	--	--	--	--	--	--	--	--	--	--
04/29/94	172.90	166.35	6.55	--	--	--	--	--	--	--	--	--	--	--
06/13/94	172.90	166.12	6.78	--	670	35	3.5	43	3.9	0.8	16	14	47	--
06/30/94	172.90	166.06	6.84	--	--	--	--	--	--	--	--	--	--	--
07/28/94	172.90	166.03	6.87	--	--	--	--	--	--	--	--	--	--	--
08/31/94	172.90	166.00	6.90	--	560	43	9.5	25	5.0	1.3	19	13	65	--
11/11/94	172.90	167.00	5.90	--	460	53	4.0	50	3.4	--	--	--	--	--
02/01/95	172.90	166.88	6.02	--	240	25	0.60	4.0	<0.5	--	--	--	--	--
05/18/95	172.90	166.82	6.08	--	580	42	1.0	53	2.6	--	--	--	--	--
08/22/95	172.90	166.52	6.38	--	840	73	1.2	110	1.6	--	--	--	--	--
11/01/95	172.90	166.40	6.50	--	350	36	<0.5	30	<0.5	--	--	--	--	15
01/26/96	172.90	166.85	6.05	--	210	23	<0.5	12	<0.5	--	--	--	--	4.7
05/08/96	172.90	166.50	6.40	--	310	42	2.3	56	1.1	--	--	--	--	52
10/03/96	173.53	166.61	6.92	--	240	31	<0.5	1.7	<0.5	--	--	--	--	18
02/04/97	173.53	167.02	6.51	--	200	9.9	<0.5	3.7	<0.5	--	--	--	--	16
04/30/97	173.53	166.64	6.89	--	260	11	<0.5	17	<0.5	--	--	--	--	13
07/22/97	173.53	166.49	7.04	--	170	5.0	<0.5	<0.5	<0.5	--	--	--	--	<2.5
11/03/97	173.53	166.55	6.98	--	230	13	<0.5	7.8	0.68	--	--	--	--	*
02/11/98	173.53	167.52	6.01	--	110	3.1	0.63	<0.5	<0.5	--	--	--	--	<2.5
05/08/98	173.53	166.72	6.81	--	170	4.2	1.8	2.1	<0.5	--	--	--	--	<2.5
08/07/98	173.53	167.01	6.52	--	110	5.2	<0.5	6.7	<0.5	--	--	--	--	13
11/05/98	173.53	166.58	6.95	--	160	1.8	<0.5	<0.5	0.53	--	--	--	--	<2.5
03/02/99	173.53	166.97	6.56	--	119	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<5.0

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

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	1,2-DCE	TCE	DCFM	PCE	MTBE
MW-2														
10/29/93	173.91	166.05	7.86	--	5600	140	3.2	17	330	--	--	--	--	--
02/25/94	173.91	166.96	6.95	--	820	41	<0.5	17	5.0	--	--	--	--	--
04/04/94	173.91	166.18	7.73	--	--	--	--	--	--	--	--	--	--	--
04/29/94	173.91	166.23	7.68	--	--	--	--	--	--	--	--	--	--	--
06/13/94	173.91	166.20	7.71	--	1100	160	0.8	64	2.0	<0.5	0.9	<0.5	2.0	--
06/30/94	173.91	165.87	8.04	--	--	--	--	--	--	--	--	--	--	--
07/28/94	173.91	165.99	7.92	--	--	--	--	--	--	--	--	--	--	--
08/31/94	173.91	165.98	7.93	--	190	7.1	4.1	3.1	1.2	<0.5	1.1	<0.5	4.5	--
11/11/94	173.91	167.08	6.83	--	440	120	<1.0	18	<1.0	--	--	--	--	--
02/01/95	173.91	167.77	6.14	--	240	81	<1.0	<1.0	<1.0	--	--	--	--	--
05/18/95	173.91	166.91	7.00	--	330	74	<0.5	26	1.3	--	--	--	--	--
08/22/95	173.91	166.58	7.33	--	390	84	<1.0	2.1	<1.0	--	--	--	--	--
11/01/95	173.91	166.54	7.37	--	190	46	<0.5	1.6	<0.5	--	--	--	--	<2.5
01/26/96	173.91	168.13	5.78	--	<50	13	<0.5	<0.5	<0.5	--	--	--	--	<2.5
05/08/96	173.91	166.76	7.15	--	<50	4.5	<0.5	<0.5	<0.5	--	--	--	--	<2.5
10/03/96	172.67	166.66	6.01	--	63	4.3	<0.5	<0.5	<0.5	--	--	--	--	<2.5
02/04/97	172.67	167.40	5.27	--	<50	1.6	<0.5	<0.5	<0.5	--	--	--	--	<2.5
04/30/97	172.67	166.74	5.93	--	<50	5.4	<0.5	0.80	<0.5	--	--	--	--	<2.5
07/22/97	172.67	166.53	6.14	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<2.5
11/03/97	172.67	--	--	Inaccessible	--	--	--	--	--	--	--	--	--	--
02/11/98	172.67	167.95	4.72	--	<50	0.52	0.63	<0.5	<0.5	--	--	--	--	<2.5
05/08/98	172.67	167.07	5.60	--	<50	1.1	1.2	<0.5	<0.5	--	--	--	--	<2.5
08/07/98	172.67	166.33	6.34	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<2.5
11/05/98	172.67	166.59	6.08	--	120	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<2.5
03/02/99	172.67	167.41	5.26	--	67	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<5.0

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	1,2-DCE	TCE	DCFM	PCE	MTBE
MW-3														
10/29/93	172.60	164.96	7.64	--	110	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
02/25/94	172.60	166.22	6.38	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
04/04/94	172.60	165.21	7.39	--	--	--	--	--	--	--	--	--	--	--
04/29/94	172.60	165.62	6.98	--	--	--	--	--	--	--	--	--	--	--
06/13/94	172.60	165.15	7.45	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	2.0	<0.5	220	--
06/30/94	172.60	165.05	7.55	--	--	--	--	--	--	--	--	--	--	--
07/28/94	172.60	164.93	7.67	--	--	--	--	--	--	--	--	--	--	--
08/31/94	172.60	164.81	7.79	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	1.6	<0.5	320	--
11/11/94	172.60	165.73	6.87	Sampled biannually	--	--	--	--	--	--	--	--	--	--
02/01/95	172.60	167.03	5.57	--	89	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
05/18/95	172.60	165.79	6.81	--	--	--	--	--	--	--	--	--	--	--
08/22/95	172.60	165.35	7.25	--	190	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
11/01/95	172.60	165.70	6.90	--	--	--	--	--	--	--	--	--	--	--
01/26/96	172.60	167.35	5.25	--	160	<2.5	<0.5	<0.5	<0.5	--	--	--	--	<2.5
05/08/96	172.60	165.55	7.05	--	--	--	--	--	--	--	--	--	--	--
10/03/96	170.47	165.29	5.18	--	150	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<2.5
02/04/97	170.47	166.27	4.20	--	88	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<2.5
04/30/97	170.47	165.37	5.10	--	--	--	--	--	--	--	--	--	--	--
07/22/97	170.47	165.15	5.32	--	180	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<2.5
11/03/97	170.47	165.12	5.35	--	--	--	--	--	--	--	--	--	--	--
02/11/98	170.47	167.47	3.00	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<2.5
05/08/98	170.47	165.96	4.51	--	--	--	--	--	--	--	--	--	--	--
08/07/98	170.47	165.26	5.21	--	110	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<2.5
11/05/98	170.47	165.35	5.12	--	--	--	--	--	--	--	--	--	--	--
03/02/99	170.47	166.19	4.28	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<5.0

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	1,2-DCE	TCE	DCFM	PCE	MTBE
MW-4														
10/29/93	170.68	165.18	5.50	--	640	6.7	3.3	0.6	6.7	--	--	--	--	--
02/25/94	170.68	165.86	4.82	--	450	20	0.8	12	6.0	--	--	--	--	--
04/04/94	170.68	165.23	5.45	--	--	--	--	--	--	--	--	--	--	--
04/29/94	170.68	165.45	5.23	--	--	--	--	--	--	--	--	--	--	--
06/13/94	170.68	165.14	5.54	--	1700	130	1.4	100	11	22	59	13	180	--
06/30/94	170.68	165.13	5.55	--	--	--	--	--	--	--	--	--	--	--
07/28/94	170.68	165.06	5.62	--	--	--	--	--	--	--	--	--	--	--
08/31/94	170.68	165.00	5.68	--	800	17	3.5	9.3	4.4	25	53	22	510	--
11/11/94	170.68	165.46	5.22	--	500	26	<0.5	30	4.3	--	--	--	--	--
02/01/95	170.68	165.12	5.56	--	1600	180	<2.0	31	42	--	--	--	--	--
05/18/95	170.68	165.70	4.98	--	1300	130	<2.0	140	5.5	--	--	--	--	--
08/22/95	170.68	165.35	5.33	--	970	50	<1.2	75	<1.2	--	--	--	--	--
11/01/95	170.68	165.28	5.40	--	320	3.3	<0.5	4.1	<0.5	--	--	--	--	27
01/26/96	170.68	166.40	4.28	--	1400	65	<2.5	98	71	--	--	--	--	100
05/08/96	170.68	165.33	5.35	--	610	28	1.2	58	4.4	--	--	--	--	70
10/03/96	171.70	165.48	6.22	--	210	4.2	<0.5	<0.5	<0.5	--	--	--	--	12
02/04/97	171.70	166.57	5.13	--	60	4.4	<0.5	<0.5	<0.5	--	--	--	--	--
04/30/97	171.70	165.60	6.10	--	870	49	<2.0	100	<2.0	--	--	--	--	18
07/22/97	171.70	165.36	6.34	--	420	16	<0.5	23	<0.5	--	--	--	--	9.4
11/03/97	171.70	165.35	6.35	--	370	8.1	0.54	10	7.6	--	--	--	--	30
02/11/98	171.70	167.16	4.54	--	<50	2.0	0.58	<0.5	<0.5	--	--	--	--	<2.5
05/08/98	171.70	166.25	5.45	--	230	13	2.3	37	4.3	--	--	--	--	15
08/07/98	171.70	166.57	5.13	--	85	4.8	<0.5	11	0.87	--	--	--	--	57
11/05/98	171.70	165.31	6.39	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<2.5
03/02/99	171.70	166.65	5.05	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<5.0

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	1,2-DCE	TCE	DCFM	PCE	MTBE
TRIP BLANK														
02/25/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
06/13/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
08/31/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
11/11/94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
02/01/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
05/18/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
08/22/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
11/01/95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--
01/26/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<2.5
05/08/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<2.5
10/03/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<2.5
02/04/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<2.5
04/30/97	--	--	--	--	<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
02/11/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<2.5
05/08/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<2.5
08/07/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<2.5
11/05/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<2.5
03/02/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<5.0

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.
 New survey information drawn from the October 11, 1996 Ron Archer Civil Engineer Inc. report.

ABBREVIATIONS:

TPH = Total Petroleum Hydrocarbons
 1,2-DCE = 1,2-Dichloroethene
 TCE = Trichloroethene
 DCFM = Dichlorodifluoromethane
 PCE = Tetrachloroethene
 MTBE = Methyl t-Butyl Ether

Analytical Appendix



Sequoia Analytical

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March 19, 1999

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

RE: Chevron(5)/L903029

Dear Christine Lillie:

Enclosed are the results of analyses for sample(s) received by the laboratory on March 4, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

for Mike Gregory
Project Manager D.M.





**Sequoia
Analytical**

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Project: Chevron(5)
Project Number: Chevron 9-4930
Project Manager: Christine Lillie

Sampled: 3/2/99
Received: 3/4/99
Reported: 3/19/99

ANALYTICAL REPORT FOR L903029

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	L903029-01	Water	3/2/99
MW-2	L903029-02	Water	3/2/99
MW-3	L903029-03	Water	3/2/99
MW-4	L903029-04	Water	3/2/99
TB	L903029-05	Water	3/2/99





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Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(5) Project Number: Chevron 9-4930 Project Manager: Christine Lillie	Sampled: 3/2/99 Received: 3/4/99 Reported: 3/19/99
--	--	--

Sample Description: MW-1
Laboratory Sample Number: L903029-01

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Purgeable Hydrocarbons as Gasoline	9030020	3/5/99	3/5/99		50.0	119	ug/l	1
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: <i>a,a,a-Trifluorotoluene</i>	"	"	"	70.0-130		111	%	





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Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(5) Project Number: Chevron 9-4930 Project Manager: Christine Lillie	Sampled: 3/2/99 Received: 3/4/99 Reported: 3/19/99
--	--	--

Sample Description: MW-2
Laboratory Sample Number: L903029-02

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Purgeable Hydrocarbons as Gasoline	9030020	3/5/99	3/5/99		50.0	67.0	ug/l	1
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: <i>a,a,a-Trifluorotoluene</i>	"	"	"	70.0-130		101	%	





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Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(5) Project Number: Chevron 9-4930 Project Manager: Christine Lillie	Sampled: 3/2/99 Received: 3/4/99 Reported: 3/19/99
--	--	--

Sample Description: MW-3
Laboratory Sample Number: L903029-03

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Purgeable Hydrocarbons as Gasoline	9030020	3/5/99	3/5/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	"	"	"	70.0-130		112	%	





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Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(5) Project Number: Chevron 9-4930 Project Manager: Christine Lillie	Sampled: 3/2/99 Received: 3/4/99 Reported: 3/19/99
--	--	--

Sample Description: **MW-4**
Laboratory Sample Number: **L903029-04**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Purgeable Hydrocarbons as Gasoline	9030020	3/5/99	3/5/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: <i>a,a,a-Trifluorotoluene</i>	"	"	"	70.0-130		98.5	%	





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Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(5) Project Number: Chevron 9-4930 Project Manager: Christine Lillie	Sampled: 3/2/99 Received: 3/4/99 Reported: 3/19/99
--	--	--

Sample Description: **TB**
Laboratory Sample Number: **L903029-05**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Purgeable Hydrocarbons as Gasoline	9030020	3/5/99	3/5/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: <i>a,a,a-Trifluorotoluene</i>	"	"	"	70.0-130		101	%	





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Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(5) Project Number: Chevron 9-4930 Project Manager: Christine Lillie	Sampled: 3/2/99 Received: 3/4/99 Reported: 3/19/99
--	--	--

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - San Carlos

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9030020			Date Prepared: 3/5/99			Extraction Method: EPA 5030B [P/T]				
Blank			9030020-BLK1							
Purgeable Hydrocarbons as Gasoline	3/5/99			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	5.00				
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.64	"	70.0-130	96.4			
LCS			9030020-BS1							
Purgeable Hydrocarbons as Gasoline	3/5/99	250		220	ug/l	70.0-130	88.0			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		17.3	"	70.0-130	173			2
Matrix Spike			9030020-MS1 L903028-01							
Purgeable Hydrocarbons as Gasoline	3/5/99	250	ND	228	ug/l	60.0-140	91.2			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		17.1	"	70.0-130	171			2
Matrix Spike Dup			9030020-MSD1 L903028-01							
Purgeable Hydrocarbons as Gasoline	3/5/99	250	ND	258	ug/l	60.0-140	103	25.0	12.2	
Surrogate: a,a,a-Trifluorotoluene	"	10.0		17.3	"	70.0-130	173			2





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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Project: Chevron(5)
Project Number: Chevron 9-4930
Project Manager: Christine Lillie

Sampled: 3/2/99
Received: 3/4/99
Reported: 3/19/99

Notes and Definitions

#	Note
---	------

- | | |
|--------|--|
| 1 | Chromatogram pattern: Unidentified hydrocarbon C6. |
| 2 | High surrogate recovery due to spike. |
| DET | Analyte DETECTED |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| NR | Not Reported |
| dry | Sample results reported on a dry weight basis |
| Recov. | Recovery |
| RPD | Relative Percent Difference |



Field Data Sheets

CHEVRON WELL MONITORING DATA SHEET

Project #: 990302 R-2	Station #: 9-4930
Sampler: SR	Date: 3/2/99
Well I.D.: MW-1	Well Diameter: ② 3 4 6 8
Total Well Depth: 18.19	Depth to Water: 6.56
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 Sampling Method: Bailer

Disposable Bailer ✕ Disposable Bailer ✕

Middleburg Extraction Port

Electric Submersible Other: _____

Extraction Pump

Other: _____

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

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
15:55	66.1	7.0	1200	2	cloudy
16:00	67.8	7.1	1300	4	
16:05	68.1	7.0	1100	6	

Did well dewater? Yes No Gallons actually evacuated: 6

Sampling Time: 16:10 Sampling Date: 3/2/99

Sample I.D.: MW-1 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 #: 990302 R-2	Station #: 9-4930
Sampler: SR	Date: 3/2/99
Well I.D.: MW-2	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: 16.62	Depth to Water: 5.26
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: Bailer Sampling Method: Bailer
 Disposable Bailer γ Disposable Bailer \times
 Middleburg Extraction Port
 Electric Submersible Other: _____
 Extraction Pump
Other: _____

<u>1.8</u>	\times	<u>3</u>	$=$	<u>5.4</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
15:30	68.3	7.3	800	2	
15:34	69.1	7.4	900	4	
15:40	69.3	7.4	750	6	

Did well dewater? Yes No Gallons actually evacuated: 6

Sampling Time: 15:45 Sampling Date: 3/2/99

Sample I.D.: MW-2 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 #: 990302 R2	Station #: 9-4930
Sampler: SR	Date: 3/2/99
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8
Total Well Depth: 17.12	Depth to Water: 4.28
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	radius ² * 0.163

Purge Method: Bailer Disposable Bailer Middleburg Electric Submersible Extraction Pump Other:	Sampling Method: Bailer Disposable Bailer* Extraction Port Other:
--	--

2.0	x	3	=	6	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
15:05	66.8	7.2	600	2	cloudy
15:09	67.5	7.2	700	4	casing bent
15:14	68.2	7.2	800	6	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: 6
Sampling Time: 15:20	Sampling Date: 3/2/99
Sample I.D.: MW-3	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 #: 990302 R-2	Station #: 9-4930
Sampler: SR	Date: 3/2/99
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8
Total Well Depth: 17.83	Depth to Water: 5.05
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 Sampling Method: Bailer
 Disposable Bailer Disposable Bailer
 Middleburg Extraction Port
 Electric Submersible Other: _____
 Extraction Pump

Other: _____

2.0	x	3	=	6	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
14:40	67.3	7.3	1200	2	turbid
14:45	67.9	7.3	1250	4	/
14:50	68.1	7.3	1200	6	/

Did well dewater? Yes No Gallons actually evacuated: 6

Sampling Time: 14:55 Sampling Date: 3/2/99

Sample I.D.: MW-4 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