

ENVIRONMENTAL
PROTECTION

99 AUG -2 PM 4: 34



Chevron

July 29, 1999

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

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

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 Second 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 well MW-2 were below method detection limits for all of the constituents, while the benzene concentrations slightly increased in wells MW-1 and MW-4 to 3.17 ppb and 0.9 ppb respectively, from the previous sampling event.

Depth to ground water varied from 4.65 feet to 6.64 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 or Brett Hunter at (925) 842-8695.

Sincerely,
CHEVRON PRODUCTS COMPANY

A handwritten signature in black ink that reads "Philip R. Briggs".

Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

July 29, 1999

Mr. Scott Seery

Former Chevron Service Station #9-4930

Page 2

Cc. Ms. Bette Owen, Chevron Products Co.

Mr. Chuck Headlee
RWQCB-San Francisco Bay Region
1550 Clay Street, Suite 1400
Oakland, CA 94612

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

BLAINE
TECH SERVICES INC.



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

July 22, 1999

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

2nd Quarter 1999 Monitoring at 9-4930

Second Quarter 1999 Groundwater Monitoring at
Former Chevron Service Station Number 9-4930
3369 Castro Valley Boulevard
Castro Valley, CA

Monitoring Performed on May 17, 1999

Groundwater Sampling Report 990517-M-2

This report covers the routine monitoring of groundwater wells at this Former 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,



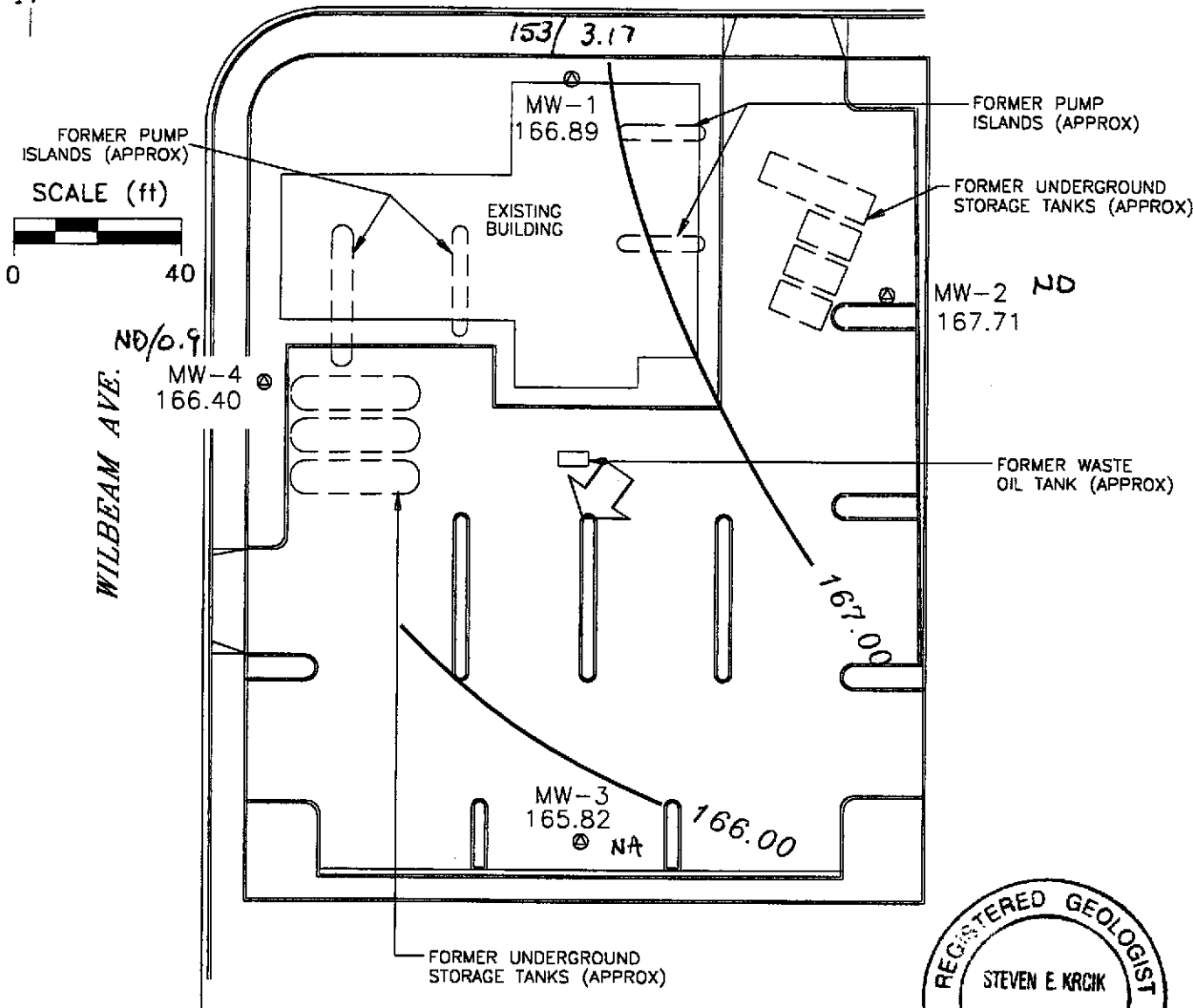
Christine Lillie
Project Coordinator

CAL/sb

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

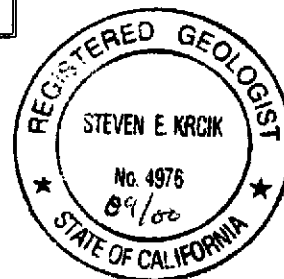
Professional Engineering Appendix

CASTRO VALLEY BLVD.



EXPLANATION

- ⊙ MONITORING WELL
- 165.82 GROUNDWATER ELEVATION (FT, MSL)
- 167.00 — GROUNDWATER ELEVATION CONTOUR (FT, MSL)
- APPROXIMATE GROUNDWATER FLOW DIRECTION;
APPROXIMATE GRADIENT = 0.01



TPH-G ug/l
Benzene

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,
MAY 17, 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	0.6	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	--	--	--	--	--
01/26/96	172.90	166.85	6.05	--	210	23	<0.5	12	<0.5	--	--	--	--	15
05/08/96	172.90	166.50	6.40	--	310	42	2.3	56	1.1	--	--	--	--	4.7
10/03/96	173.53	166.61	6.92	--	240	31	<0.5	1.7	<0.5	--	--	--	--	52
02/04/97	173.53	167.02	6.51	--	200	9.9	<0.5	3.7	<0.5	--	--	--	--	18
04/30/97	173.53	166.64	6.89	--	260	11	<0.5	17	<0.5	--	--	--	--	16
07/22/97	173.53	166.49	7.04	--	170	5.0	<0.5	<0.5	<0.5	--	--	--	--	13
11/03/97	173.53	166.55	6.98	--	230	13	<0.5	7.8	0.68	--	--	--	--	<2.5
02/11/98	173.53	167.52	6.01	--	110	3.1	0.63	<0.5	<0.5	--	--	--	--	*
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	--	--	--	--	<2.5
11/05/98	173.53	166.58	6.95	--	160	1.8	<0.5	<0.5	0.53	--	--	--	--	13
03/02/99	173.53	166.97	6.56	--	119	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<2.5
05/17/99	173.53	166.89	6.64	--	153	3.17	<0.5	0.791	<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	Analytical results are in parts per billion (ppb)									
					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
05/17/99	172.67	167.71	4.96	--	<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-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	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--	<2.5
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
05/17/99	170.47	165.82	4.65	--	--	--	--	--	--	--	--	--	--	--

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	--	--	--	--	--
01/26/96	170.68	166.40	4.28	--	1400	65	<2.5	98	71	--	--	--	--	27
05/08/96	170.68	165.33	5.35	--	610	28	1.2	58	4.4	--	--	--	--	100
10/03/96	171.70	165.48	6.22	--	210	4.2	<0.5	<0.5	<0.5	--	--	--	--	70
02/04/97	171.70	166.57	5.13	--	60	4.4	<0.5	<0.5	<0.5	--	--	--	--	12
04/30/97	171.70	165.60	6.10	--	870	49	<2.0	100	<2.0	--	--	--	--	--
07/22/97	171.70	165.36	6.34	--	420	16	<0.5	23	<0.5	--	--	--	--	18
11/03/97	171.70	165.35	6.35	--	370	8.1	0.54	10	7.6	--	--	--	--	9.4
02/11/98	171.70	167.16	4.54	--	<50	2.0	0.58	<0.5	<0.5	--	--	--	--	30
05/08/98	171.70	166.25	5.45	--	230	13	2.3	37	4.3	--	--	--	--	<2.5
08/07/98	171.70	166.57	5.13	--	85	4.8	<0.5	11	0.87	--	--	--	--	15
11/05/98	171.70	165.31	6.39	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	57
03/02/99	171.70	166.65	5.05	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	<2.5
05/17/99	171.70	166.40	5.30	--	<50	0.9	<0.5	0.843	<0.5	--	--	--	--	<5.0
														<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
05/17/99	--	--	--	--	<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

1551 Industrial Road
San Carlos, CA 94070-4111
(650) 232-9600
FAX (650) 232-9612

June 11, 1999


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

RE: Chevron(8)/L905360

Dear Christine Lillie:

Enclosed are the results of analyses for sample(s) received by the laboratory on May 18, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Mike Gregory
Project Manager D.M.

CA ELAP Certificate Number I-2360





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(8) Project Number: Chevron/9-4930/990517-M2 Project Manager: Christine Lillie	Sampled: 5/17/99 Received: 5/18/99 Reported: 6/11/99
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ANALYTICAL REPORT FOR L905360

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	L905360-01	Water	5/17/99
MW-2	L905360-02	Water	5/17/99
MW-4	L905360-03	Water	5/17/99
TB	L905360-04	Water	5/17/99





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(8) Project Number: Chevron/9-4930/990517-M2 Project Manager: Christine Lillie	Sampled: 5/17/99 Received: 5/18/99 Reported: 6/11/99
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Sample Description: MW-1
Laboratory Sample Number: L905360-01

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	9050135	5/30/99	5/31/99		50.0	153	ug/l	1
Benzene	"	"	"		0.500	3.17	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	0.791	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: <i>a,a,a-Trifluorotoluene</i>	"	"	"	70.0-130		95.6	%	





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(8) Project Number: Chevron/9-4930/990517-M2 Project Manager: Christine Lillie	Sampled: 5/17/99 Received: 5/18/99 Reported: 6/11/99
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Sample Description: MW-2
Laboratory Sample Number: L905360-02

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	9050134	5/30/99	5/30/99		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		115	%	





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(8) Project Number: Chevron/9-4930/990517-M2 Project Manager: Christine Lillie	Sampled: 5/17/99 Received: 5/18/99 Reported: 6/11/99
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Sample Description: MW-4
Laboratory Sample Number: L905360-03

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	9050135	5/30/99	5/31/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	0.900	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	0.843	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		5.00	ND	"	
Surrogate: <i>a,a,a-Trifluorotoluene</i>	"	"	"	70.0-130		96.5	%	





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(8) Project Number: Chevron/9-4930/990517-M2 Project Manager: Christine Lillie	Sampled: 5/17/99 Received: 5/18/99 Reported: 6/11/99
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Sample Description: TB
Laboratory Sample Number: L905360-04

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	9050135	5/30/99	5/31/99		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		92.1	%	





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(8) Project Number: Chevron/9-4930/990517-M2 Project Manager: Christine Lillie	Sampled: 5/17/99 Received: 5/18/99 Reported: 6/11/99
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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: 9050134			Date Prepared: 5/30/99			Extraction Method: EPA 5030B [P/T]				
Blank			9050134-BLK1							
Purgeable Hydrocarbons as Gasoline	5/30/99			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		9.46	"	70.0-130	94.6			
LCS			9050134-BS1							
Benzene	5/30/99	10.0		8.88	ug/l	70.0-130	88.8			
Toluene	"	10.0		8.64	"	70.0-130	86.4			
Ethylbenzene	"	10.0		9.06	"	70.0-130	90.6			
Xylenes (total)	"	30.0		26.0	"	70.0-130	86.7			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.65	"	70.0-130	96.5			
Matrix Spike			9050134-MS1		L905363-05					
Benzene	5/30/99	10.0	ND	9.51	ug/l	60.0-140	95.1			
Toluene	"	10.0	ND	9.20	"	60.0-140	92.0			
Ethylbenzene	"	10.0	ND	8.59	"	60.0-140	85.9			
Xylenes (total)	"	30.0	ND	28.2	"	60.0-140	94.0			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.87	"	70.0-130	98.7			
Matrix Spike Dup			9050134-MSD1		L905363-05					
Benzene	5/30/99	10.0	ND	9.66	ug/l	60.0-140	96.6	25.0	1.56	
Toluene	"	10.0	ND	9.34	"	60.0-140	93.4	25.0	1.51	
Ethylbenzene	"	10.0	ND	9.47	"	60.0-140	94.7	25.0	9.75	
Xylenes (total)	"	30.0	ND	28.6	"	60.0-140	95.3	25.0	1.37	
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.83	"	70.0-130	88.3			
Batch: 9050135			Date Prepared: 5/30/99			Extraction Method: EPA 5030B [P/T]				
Blank			9050135-BLK1							
Purgeable Hydrocarbons as Gasoline	5/30/99			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		8.35	"	70.0-130	83.5			





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(8) Project Number: Chevron/9-4930/990517-M2 Project Manager: Christine Lillie	Sampled: 5/17/99 Received: 5/18/99 Reported: 6/11/99
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**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*
<u>LCS</u>										
<u>9050135-BS1</u>										
Benzene	5/30/99	10.0		8.09	ug/l	70.0-130	80.9			
Toluene	"	10.0		8.19	"	70.0-130	81.9			
Ethylbenzene	"	10.0		8.15	"	70.0-130	81.5			
Xylenes (total)	"	30.0		24.8	"	70.0-130	82.7			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		7.74	"	70.0-130	77.4			
<u>Matrix Spike</u>										
<u>9050135-MS1</u>										
<u>L905365-01</u>										
Benzene	5/30/99	10.0	0.510	8.70	ug/l	60.0-140	81.9			
Toluene	"	10.0	1.54	9.78	"	60.0-140	82.4			
Ethylbenzene	"	10.0	ND	8.46	"	60.0-140	84.6			
Xylenes (total)	"	30.0	0.737	25.6	"	60.0-140	82.9			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.16	"	70.0-130	81.6			
<u>Matrix Spike Dup</u>										
<u>9050135-MSD1</u>										
<u>L905365-01</u>										
Benzene	5/30/99	10.0	0.510	8.47	ug/l	60.0-140	79.6	25.0	2.85	
Toluene	"	10.0	1.54	9.55	"	60.0-140	80.1	25.0	2.83	
Ethylbenzene	"	10.0	ND	8.28	"	60.0-140	82.8	25.0	2.15	
Xylenes (total)	"	30.0	0.737	25.1	"	60.0-140	81.2	25.0	2.07	
Surrogate: a,a,a-Trifluorotoluene	"	10.0		7.69	"	70.0-130	76.9			





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(8) Project Number: Chevron/9-4930/990517-M2 Project Manager: Christine Lillie	Sampled: 5/17/99 Received: 5/18/99 Reported: 6/11/99
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Notes and Definitions

#	Note
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- 1 Chromatogram Pattern: Unidentified Hydrocarbons C6-C12
- 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



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

Chain-of-Custody-Record

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

Chevron Facility Number 9-4930
Facility Address 3369 Castro Valley Blvd., Castro Valley
Consultant Project Number 990517-m2 L905360
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) PHIL BRIGGS
(Phone) (925) 842-9136
Laboratory Name SEQUOIA
Laboratory Service Order 9144488
Laboratory Service Code ZZ02800
Samples Collected by (Name) Mark Tomlinson
Signature Mark Tomlinson

State Method: CA OR WA NW Series CO UT

Sample Number	Number of Containers	Matrix S = Soil W = Water C = Charcoal	Sample Preservation	Date/Time	State Method: <input type="checkbox"/> CA <input type="checkbox"/> OR <input type="checkbox"/> WA <input type="checkbox"/> NW Series <input type="checkbox"/> CO <input type="checkbox"/> UT													Remarks							
					ETEX/MTBE+TPH GAS (8020 + 8015)	STEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oxygenates (8260)	Purgeable Halocarbons (8010)	Purgeable Organics (8260)	Extractable Organics (8270)	Oil and Grease (5520)	Metals (ICAP or AA) Cd,Cr,Pb,Zn,NI	STEX (8020)	ETEX/MTBE/Naph. (8020)	TPH - HClD	TPH-D Extended		Lab Sample No.						
MW-1 ✓	3	Water		5-17-99 15:45	X																				
MW-2 ✓	3	↓		15:20	X																				
MW-4 ✓	3	↓		14:45	X																				
T.B	2	Water		5-17-99	X																				

Shipped By (Signature) <u>Tomlinson</u>	Organization <u>BTS</u>	Date/Time <u>5/18/99 11:19</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>Seq.</u>	Date/Time <u>5/18/99 11:19</u>	iced <input checked="" type="checkbox"/> Y/N	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days As Contracted
Shipped By (Signature) <u>[Signature]</u>	Organization <u>Seq.</u>	Date/Time <u>5/18/99</u>	Received By (Signature) <u>[Signature]</u>	Organization	Date/Time	iced Y/N	
Shipped By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature) <u>[Signature]</u>		Date/Time <u>5/18 12:20</u>	iced <input checked="" type="checkbox"/> Y/N	

Field Data Sheets

CHEVRON WELL MONITORING DATA SHEET

Project #: 990517-M2	Station #: 9-4930
Sampler: MT	Date: 5-17-99
Well I.D.: MW1	Well Diameter: (2) 3 4 6 8
Total Well Depth: 18.22	Depth to Water: 6.64
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: _____

1.85	x	3	=	5.55	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
15:31	65.6	7.6	887	2	cloudy
15:35	65.2	7.5	1000	4	
15:40	65.4	7.5	955	5.55	

Did well dewater? Yes Gallons actually evacuated: 5.55

Sampling Time: 15:45 Sampling Date: 5-17-99

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 #: 990517-m2	Station #: 9-4930
Sampler: MT	Date: 5-17-99
Well I.D.: MW-2	Well Diameter: ② 3 4 6 8
Total Well Depth: 16.75	Depth to Water: 4.96
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: _____

1.90	x	3	=	5.7	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
15:05	65.0	7.5	759	2	cloudy
15:10	65.0	7.6	730	4	
15:15	65.4	7.6	860	6	

Did well dewater? Yes No Gallons actually evacuated: 0

Sampling Time: 15:20 Sampling Date: 5-17-99

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 #: 990517-m2	Station #: 9-4930
Sampler: mt	Date: 5-17-99
Well I.D.: mw-4	Well Diameter: <input checked="" type="radio"/> 3 <input type="radio"/> 4 <input type="radio"/> 6 <input type="radio"/> 8 <input type="checkbox"/> _____
Total Well Depth: 17.65	Depth to Water: 5.30
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	=	6.0	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
14:30	68.4	7.3	590	2	Turbid - silty
14:35	67.5	7.5	545	4	
14:40	67.6	7.5	580	6	

Did well dewater? Yes <input checked="" type="radio"/> No	Gallons actually evacuated: 6
Sampling Time: 14:45	Sampling Date: 5-17-99
Sample I.D.: mw-4	Laboratory: <u>Sequoia</u> CORE N. Creek Assoc. Labs
Analyzed for: <u>TPH-G</u> <u>BTEX</u> <u>MTBE</u> TPH-D Other:	
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D Other:
D.O. (if req'd):	Pre-purge: <input type="text"/> mg/L Post-purge: <input type="text"/> mg/L
O.R.P. (if req'd):	Pre-purge: <input type="text"/> mV Post-purge: <input type="text"/> mV