Chevron

ENVIRONMENTAL
PROTECTION

97 JAN 10 AM 11:19

October 24, 1996

Chevron U.S.A. Products Company
6001 Bollinger Canyon Road
Building L
San Ramon, CA 94583
P.O. Box 5004
San Ramon, CA 94583-0804

Marketing – Northwest Region
Phone 510 842 9500

Ms. Juliet Shin
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Former Chevron Service Station #9-1153
3126 Fernside Boulevard, Alameda, California

Dear Ms. Shin:

Enclosed is the Third Quarter Groundwater Monitoring Report for 1996 that was prepared by our consultant Blaine Tech Services, Inc. for the above noted site. Samples were analyzed for TPH-g, BTEX and MtBE constituents. Separate phase hydrocarbons continue to be detected in monitoring well C-1 and 1.710 gallons have been removed since the last quarterly event. Benzene constituents were detected in monitoring wells MW-6 and MW-7, but have declined in concentration from the previous quarter. The downgradient wells MW-4, MW-8, MW-9 and MW-10 were below method detection limits for TPH-g and BTEX constituents.

Depth to the ground water varied from 3.37 feet to 5.10 feet below grade and the direction of flow is to the southeast. Chevron requests that the schedule to remove any separate phase hydrocarbons that accumulates in monitoring well C-1, be changed to twice a month basis, as it appears the accumulation has been decreasing with the existing recovery events. Note that monitoring well MW-5 was not sampled as the consultant did not have access, because there was an abandoned car parked over the well.

Chevron will continue to monitor the wells quarterly and remove separate phase hydrocarbons from C-1 weekly, unless you agree to the change to the recovery schedule as noted above. If you have any questions or comments, call me at (510) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY

Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

cc. Ms. Bette Owen, Chevron

Mr. Larry Bolton, State Farm Insurance
2509 Santa Clara Avenue, Alameda, CA 94501

Chevron

Chevron U.S.A. Products Company
6001 Bollinger Canyon Road
Building L
San Ramon, CA 94583
P.O. Box 5004
San Ramon, CA 94583-0804

Marketing – Northwest Region
Phone 510 842 9500

October 24, 1996

Ms. Juliet Shin
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Former Chevron Service Station #9-1153
3126 Fernside Boulevard, Alameda, California

Dear Ms. Shin:

Enclosed is the Third Quarter Groundwater Monitoring Report for 1996 that was prepared by our consultant Blaine Tech Services, Inc. for the above noted site. Samples were analyzed for TPH-g, BTEX and MtBE constituents. Separate phase hydrocarbons continue to be detected in monitoring well C-1 and 1.710 gallons have been removed since the last quarterly event. Benzene constituents were detected in monitoring wells MW-6 and MW-7, but have declined in concentration from the previous quarter. The downgradient wells MW-4, MW-8, MW-9 and MW-10 were below method detection limits for TPH-g and BTEX constituents.

Depth to the ground water varied from 3.37 feet to 5.10 feet below grade and the direction of flow is to the southeast. Chevron requests that the schedule to remove any separate phase hydrocarbons that accumulates in monitoring well C-1, be changed to twice a month basis, as it appears the accumulation has been decreasing with the existing recovery events. Note that monitoring well MW-5 was not sampled as the consultant did not have access, because there was an abandoned car parked over the well.

Chevron will continue to monitor the wells quarterly and remove separate phase hydrocarbons from C-1 weekly, unless you agree to the change to the recovery schedule as noted above. If you have any questions or comments, call me at (510) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY

Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

cc. Ms. Bette Owen, Chevron

Mr. Larry Bolton, State Farm Insurance
2509 Santa Clara Avenue, Alameda, CA 94501

BLAINE
TECH SERVICES INC.

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

August 21, 1996

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

3rd Quarter 1996 Monitoring at 9-1153

Third Quarter 1996 Groundwater Monitoring at
Chevron Service Station Number 9-1153
3126 Fernside Blvd.
Alameda, CA

Monitoring Performed on July 29, 1996

Groundwater Sampling Report **960729-V-1**

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

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

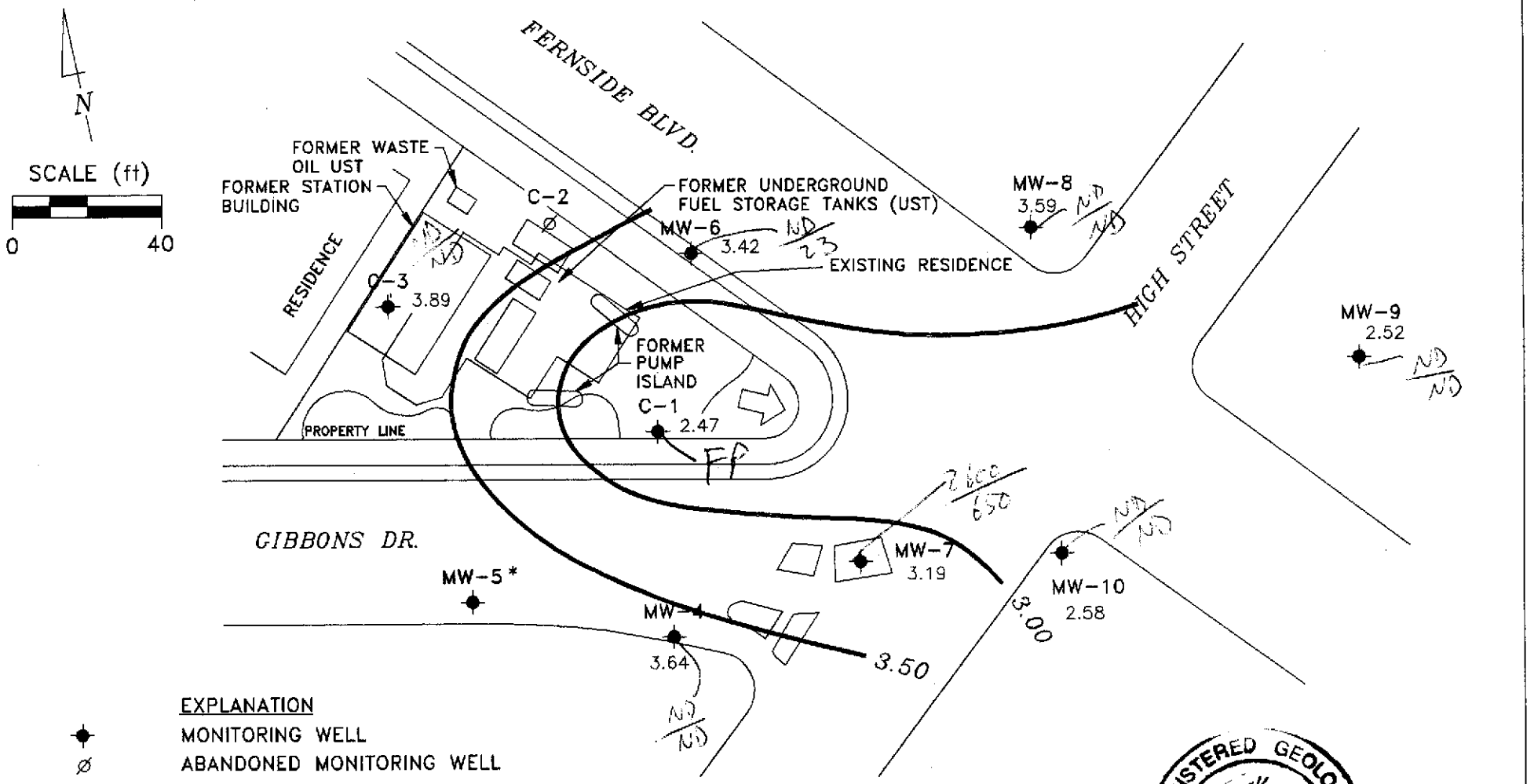
Yours truly,

James Keller
Vice President

JPK/cg

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

Professional Engineering Appendix



EXPLANATION

- ✦ MONITORING WELL
- ⌀ ABANDONED MONITORING WELL
- 2.58 GROUNDWATER ELEVATION (FT, MSL)
- 3.00 GROUNDWATER ELEVATION CONTOUR (FT, MSL)
- * WELL INACCESSIBLE
- ⇨ APPROXIMATE GROUNDWATER FLOW DIRECTION; APPROXIMATE GRADIENT = 0.004

TPH-g Benzene (ppb)

REGISTERED GEOLOGIST
STEVEN E. KROIK
No. 4976
STATE OF CALIFORNIA

Basemap from Cambria Environmental Technology, Inc.

PREPARED BY
RRM INC.

Chevron Station 9-1153
3126 Fernside Boulevard
Alameda, California

GROUNDWATER ELEVATION CONTOUR MAP, JULY 29 ,1996

FIGURE:
1
PROJECT:
DAC04

Table of
Well Data and
Analytical Results

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	Other
C-1														
08/18/86	--	--	4.10	--	--	--	--	--	--	--	--	--	--	--
09/04/86	--	--	--	--	--	--	--	15,000	760	820	1500	--	--	--
07/22/87	--	--	--	--	--	--	--	1100	250	7.0	40	--	--	--
05/03/89	--	--	4.46	--	--	--	--	6900	3800	190	229	--	--	--
12/04/89	--	--	4.16	--	--	--	--	17,000	8000	490	470	--	--	--
02/14/90	--	--	3.64	--	--	--	--	19,000	12,000	990	1050	--	--	--
03/07/90	--	--	3.36	--	--	--	--	--	4260	261	430	--	--	--
09/06/91	--	--	4.43	--	--	--	--	21,000	10,000	100	240	560	--	--
12/15/91	--	--	4.78	--	--	--	--	20,000	4900	43	110	330	--	--
03/03/92	--	--	2.39	--	--	--	--	13,000	5800	730	340	1200	--	--
06/04/92	4.08	0.00	4.08	--	--	--	--	34,000	9400	350	290	1200	--	--
10/13/92	4.08	-0.67	4.75	--	--	--	--	24,000	11,000	98	280	530	--	--
01/11/93	4.08	1.82	2.26	Sheen	--	--	--	7100	1500	130	150	700	--	--
04/14/93	4.08	1.18	2.90	Sheen	--	--	--	29,000	7300	4000	640	2300	--	--
07/13/93	4.08	0.11	3.97	Sheen	--	--	--	650,000	27,000	18,000	6300	29,000	--	--
10/19/93	4.08	-0.42	4.50	--	--	--	--	40,000	12,000	730	1100	3600	--	--
11/30/93	7.50	3.23	4.27	--	--	--	--	--	--	--	--	--	--	--
01/27/94	7.50	4.15	3.35	--	--	--	--	36,000	8600	220	670	1900	--	--
04/07/94	7.50	4.08	3.42	--	--	--	--	53,000	12,000	3500	480	3300	--	--
07/01/94	7.50	3.54	3.96	--	--	--	--	65,000	19,000	5900	1000	9000	--	--
10/05/94	7.50	3.11	4.39	--	--	--	--	160,000	23,000	12,000	2200	11,000	--	--
01/12/95	7.50	6.38	1.52	0.50	0.264	0.264	--	--	--	--	--	--	--	--
04/26/95	7.50	4.86	4.40	2.20	1.321	1.585	--	--	--	--	--	--	--	--
07/12/95	7.50	4.10	4.85	1.81	0.661	2.246	--	--	--	--	--	--	--	--
10/30/95	7.50	3.13	5.67	1.63	0.528	2.774	--	--	--	--	--	--	--	--

CONTINUED ON NEXT PAGE

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	Other
C-1 (CONT'D)														
01/04/96	7.50	3.68	3.92	0.12	0.264	3.038	--	--	--	--	--	--	--	--
01/10/96	7.50	4.12	3.48	0.13	0.066	3.104	--	--	--	--	--	--	--	--
01/17/96	7.50	4.12	3.40	0.02	0.396	3.500	--	--	--	--	--	--	--	--
01/22/96	7.50	4.60	2.90	0.00	0.000	3.500	--	82,000	18,000	4400	1400	5200	<1000	--
02/23/96	7.50	4.89	4.10	1.86	0.661	4.161	--	--	--	--	--	--	--	--
02/28/96	7.50	--	--	>0.83	1.250	5.411	--	--	--	--	--	--	--	--
03/08/96	7.50	6.10	2.86	1.83	0.264	5.675	--	--	--	--	--	--	--	--
03/08/96	7.50	5.49	2.30	0.36	0.528	6.203	--	--	--	--	--	--	--	--
03/08/96	7.50	5.46	2.33	0.36	0.264	6.467	--	--	--	--	--	--	--	--
03/08/96	7.50	5.40	2.28	0.22	0.528	6.995	--	--	--	--	--	--	--	--
03/26/96	7.50	4.56	3.96	1.28	0.396	7.391	--	--	--	--	--	--	--	--
04/11/96	7.50	3.29	5.61	1.75	0.528	7.919	--	--	--	--	--	--	--	--
04/19/96	7.50	4.44	3.09	0.04	0.396	8.315	--	--	--	--	--	--	--	--
04/24/96	7.50	4.48	3.04	0.03	0.396	8.711	--	--	--	--	--	--	--	--
05/03/96	7.50	3.85	4.02	0.46	0.396	9.107	--	--	--	--	--	--	--	--
05/03/96	7.50	3.99	3.89	0.47	0.000	9.107	--	--	--	--	--	--	--	--
05/08/96	7.50	3.53	4.25	0.35	0.066	9.173	--	--	--	--	--	--	--	--
05/17/96	7.50	4.29	3.24	0.04	0.029	9.202	--	--	--	--	--	--	--	--
05/17/96	7.50	4.16	3.35	0.01	0.029	9.231	--	--	--	--	--	--	--	--
05/17/96	7.50	4.08	3.43	0.01	0.029	9.260	--	--	--	--	--	--	--	--
05/17/96	7.50	3.86	3.65	0.01	0.000	9.260	--	--	--	--	--	--	--	--
05/22/96	7.50	4.46	3.10	0.07	0.079	9.339	--	--	--	--	--	--	--	--
06/18/96	7.50	3.20	4.68	0.48	0.264	9.603	--	--	--	--	--	--	--	--
07/03/96	7.50	2.57	5.03	0.13	0.145	9.748	--	--	--	--	--	--	--	--
07/09/96	7.50	3.05	4.63	0.23	0.092	9.840	--	--	--	--	--	--	--	--
07/17/96	7.50	2.89	4.73	0.15	0.317	10.157	--	--	--	--	--	--	--	--
07/29/96	7.50	2.47	5.10	0.09	0.264	10.421	--	--	--	--	--	--	--	--

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	Other
C-2														
08/18/86	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/04/86	--	--	--	--	--	--	--	1100	49	18	84	--	--	--
07/22/87	--	--	--	--	--	--	--	<50	1.8	<1.0	<4.0	--	--	--
05/03/89	--	--	--	--	--	--	Abandoned	--	--	--	--	--	--	--
C-3														
08/18/86	--	--	4.00	--	--	--	--	--	--	--	--	--	--	--
09/04/86	--	--	--	--	--	--	--	50	3.2	5.4	5.8	--	--	--
07/22/87	--	--	--	--	--	--	--	<50	<0.5	<1.0	<4.0	--	--	--
05/03/89	--	--	4.15	--	--	--	--	<50	<0.5	<1.0	<2.0	--	--	--
12/04/89	--	--	4.24	--	--	--	--	<250	<0.5	<0.5	<0.5	--	--	--
02/14/90	--	--	3.57	--	--	--	--	<50	<0.5	<0.5	<0.5	--	--	--
03/07/90	--	--	3.31	--	--	--	--	--	<5.0	<5.0	<5.0	--	--	--
09/06/91	--	--	4.59	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/15/91	--	--	4.84	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/03/92	--	--	2.17	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/04/92	4.41	0.40	4.01	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/13/92	4.41	-0.38	4.79	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/11/93	4.41	2.40	2.01	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/14/93	4.41	1.65	2.76	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/13/93	4.41	0.45	3.96	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
10/19/93	4.41	-0.12	4.53	--	--	--	--	66	12	1.4	1.0	8.4	--	--
11/30/93	7.83	3.79	4.04	--	--	--	--	--	--	--	--	--	--	--
01/27/94	7.83	4.66	3.17	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/07/94	7.83	4.63	3.20	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/01/94	7.83	3.84	3.99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/05/94	7.83	3.29	4.54	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/12/95	7.83	7.03	0.80	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
05/02/95	7.83	5.68	2.15	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/12/95	7.83	4.41	3.42	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/30/95	7.83	3.37	4.46	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/22/96	7.83	6.10	1.73	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/24/96	7.83	5.21	2.62	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/29/96	7.83	3.89	3.94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	Other
MW-4														
06/04/92	3.58	-0.05	3.63	--	--	--	--	<50	0.8	<0.5	<0.5	<0.5	--	--
10/13/92	3.58	--	--	--	--	--	--	--	--	--	--	--	--	--
01/11/93	3.58	1.69	1.89	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/14/93	3.58	1.38	2.20	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
07/13/93	3.58	0.07	3.51	--	--	--	--	54	2.6	1.6	<0.5	<1.5	--	--
10/19/93	3.58	-0.64	4.22	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
11/30/93	7.01	3.00	4.01	--	--	--	--	--	--	--	--	--	--	--
01/27/94	7.01	4.12	2.89	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/07/94	7.01	3.95	3.06	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/01/94	7.01	3.42	3.59	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/05/94	7.01	2.68	4.33	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/12/95	7.01	5.81	1.20	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/26/95	7.01	5.86	1.15	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/12/95	7.01	4.29	2.72	--	--	--	--	<50	6.4	<0.5	0.63	0.72	--	--
10/30/95	7.01	2.93	4.08	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/22/96	7.01	5.25	1.76	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/24/96	7.01	5.06	1.95	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/29/96	7.01	3.64	3.37	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	Other
MW-5														
06/04/92	3.61	0.36	3.25	--	--	--	--	560	110	0.5	37	2.2	--	--
10/13/92	3.61	-0.59	4.20	--	--	--	--	1200	150	<2.5	84	8.6	--	--
01/11/93	3.61	2.31	1.30	--	--	--	--	1300	48	1.0	83	33	--	--
04/14/93	3.61	2.41	1.20	--	--	--	--	2600	240	6.1	250	170	--	--
07/13/93	3.61	0.46	3.15	--	--	--	--	1700	260	7.8	160	100	--	--
10/19/93	3.61	-0.21	3.82	--	--	--	--	1900	190	3.3	200	93	--	--
11/30/93	7.04	3.48	3.56	--	--	--	--	--	--	--	--	--	--	--
01/27/94	7.04	4.62	2.42	--	--	--	--	4000	100	12	210	110	--	--
04/07/94	7.04	4.71	2.33	--	--	--	--	2600	170	10	150	88	--	--
07/01/94	7.04	3.86	3.18	--	--	--	--	2300	350	9.1	110	76	--	--
10/05/94	7.04	3.06	3.98	--	--	--	--	11,000	840	150	130	340	--	--
01/12/95	7.04	6.64	0.40	--	--	--	--	2300	82	<2.5	54	20	--	--
04/26/95	7.04	6.54	0.50	--	--	--	--	1600	52	<5.0	36	61	--	--
07/12/95	7.04	4.63	2.41	--	--	--	--	2800	150	<5.0	34	38	--	--
10/30/95	7.04	3.26	3.78	--	--	--	--	1100	81	<5.0	<5.0	<5.0	35	--
01/22/96	7.04	6.26	0.78	--	--	--	--	880	7.3	<2.0	15	4.8	<10	--
04/24/96	7.04	5.39	1.65	--	--	--	--	1600	51	3.8	14	5.6	56	--
07/29/96	7.04	--	--	--	--	--	Inaccessible	--	--	--	--	--	--	--

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	Other
MW-6														
06/04/92	3.85	-0.04	3.89	--	--	--	--	210	54	<0.5	1.9	2.4	--	--
10/13/92	3.85	-0.71	4.56	--	--	--	--	10,000	5300	<10	70	<10	--	--
01/11/93	3.85	1.49	2.36	--	--	--	--	100	50	<0.5	<0.5	<0.5	--	--
04/14/93	3.85	0.70	3.15	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/13/93	3.85	-0.09	3.94	--	--	--	--	<50	1.8	<0.5	<0.5	<1.5	--	--
10/19/93	3.85	-0.55	4.40	--	--	--	--	320	150	<0.5	0.8	<0.5	--	--
11/30/93	7.27	3.11	4.16	--	--	--	--	--	--	--	--	--	--	--
01/27/94	7.27	3.94	3.33	--	--	--	--	120	45	<0.5	<0.5	<0.5	--	--
04/07/94	7.27	3.84	3.43	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/01/94	7.27	3.33	3.94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/05/94	7.27	2.89	4.38	--	--	--	--	8300	2400	160	42	190	--	--
01/12/95	7.27	4.84	2.43	--	--	--	--	<50	12	<0.5	<0.5	<0.5	--	ND *
04/26/95	7.27	5.21	2.06	--	--	--	--	<50	5.5	0.67	<0.5	1.3	--	--
07/12/95	7.27	3.74	3.53	--	--	--	--	65	27	<0.5	<0.5	<0.5	--	--
10/30/95	7.27	2.93	4.34	--	--	--	--	<50	3.9	<0.5	<0.5	<0.5	<2.5	--
01/22/96	7.27	4.66	2.61	--	--	--	--	<50	0.93	<0.5	<0.5	<0.5	<2.5	--
04/24/96	7.27	4.77	2.50	--	--	--	--	260	110	<1.2	<1.2	<1.2	<6.2	--
07/29/96	7.27	3.42	3.85	--	--	--	--	<50	23	<0.5	<0.5	<0.5	<2.5	--

* EPA 8010

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	Other
MW-7														
11/30/93	8.22	2.89	5.33	--	--	--	--	480	110	41	4.4	38	--	--
01/27/94	8.22	3.72	4.50	--	--	--	--	120	21	1.1	2.2	4.8	--	--
04/07/94	8.22	3.60	4.62	--	--	--	--	2600	630	39	56	94	--	--
07/01/94	8.22	3.09	5.13	--	--	--	--	2200	770	42	<10	92	--	--
10/05/94	8.22	2.61	5.61	--	--	--	--	15,000	3300	90	130	320	--	--
01/12/95	8.22	5.39	2.83	--	--	--	--	340	57	<1.3	18	6.4	--	--
04/26/95	8.22	5.87	2.35	--	--	--	--	15,000	3700	210	520	800	--	--
07/12/95	8.22	3.56	4.66	--	--	--	--	7700	1800	59	130	370	--	--
10/30/95	8.22	2.74	5.48	--	--	--	--	770	260	<5.0	33	48	25	--
01/22/96	8.22	4.88	3.34	--	--	--	--	290	63	<1.0	6.4	5.7	<5.0	--
04/24/96	8.22	4.10	4.12	--	--	--	--	12,000	2500	510	380	810	<125	--
07/29/96	8.22	3.19	5.03	--	--	--	--	2600	650	<25	61	150	<125	--
MW-8														
10/17/95	6.96	2.56	4.40	--	--	--	--	--	--	--	--	--	--	--
10/30/95	6.96	2.52	4.44	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/22/96	6.96	4.72	2.24	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/24/96	6.96	3.99	2.97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/29/96	6.96	3.59	3.37	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
MW-9														
10/17/95	7.21	2.41	4.80	--	--	--	--	--	--	--	--	--	--	--
10/30/95	7.21	2.24	4.97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/22/96	7.21	3.81	3.40	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/24/96	7.21	3.03	4.18	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/29/96	7.21	2.52	4.69	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
MW-10														
10/17/95	7.28	2.23	5.05	--	--	--	--	--	--	--	--	--	--	--
10/30/95	7.28	2.17	5.11	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	5.1	--
01/22/96	7.28	3.25	4.03	--	--	--	--	<50	<0.5	<0.5	<0.5	0.70	17	--
04/24/96	7.28	2.98	4.30	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	12	--
07/29/96	7.28	2.58	4.70	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	14	--

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	Other
TMW-1														
11/11/93	--	--	--	--	--	--	--	<1.0	<0.5	<0.5	<0.5	<0.5	--	--
TRIP BLANK														
02/14/90	--	--	--	--	--	--	--	<50	<0.5	1.1	<0.5	<0.5	--	--
09/06/91	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
12/15/91	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
03/03/92	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
06/04/92	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/13/92	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/11/93	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/14/93	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/13/93	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/19/93	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
01/27/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/07/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/01/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/05/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/12/95	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
04/26/95	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
07/12/95	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
10/30/95	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
01/22/96	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/24/96	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/29/96	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--

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

ABBREVIATIONS:
TPH = Total Petroleum Hydrocarbons
SPH = Separate-Phase Hydrocarbons
MTBE = Methyl t-butyl ether

Analytical Appendix

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Technical Services	Client Proj. ID: Chevron 9-1153/960729-V-1	Sampled: 07/29/96
985 Timothy Drive	Sample Descript: MW-4	Received: 07/30/96
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/05/96
Attention: Jim Keller	Lab Number: 9607I07-01	Reported: 08/08/96

QC Batch Number: GC080596BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum 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	89

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Technical Services	Client Proj. ID: Chevron 9-1153/960729-V-1	Sampled: 07/29/96
985 Timothy Drive	Sample Descript: MW-6	Received: 07/30/96
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/05/96
Attention: Jim Keller	Lab Number: 9607I07-02	Reported: 08/08/96

QC Batch Number: GC080596BTEX21A
Instrument ID: GCHP21

Total Purgeable Petroleum 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**	**23**
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	92

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Technical Services	Client Proj. ID: Chevron 9-1153/960729-V-1	Sampled: 07/29/96
985 Timothy Drive	Sample Descript: MW-7	Received: 07/30/96
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/05/96
Attention: Jim Keller	Lab Number: 9607I07-03	Reported: 08/08/96

QC Batch Number: GC080596BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**2500**	**2600**
Methyl t-Butyl Ether	125	N.D.
Benzene	**25**	**650**
Toluene	25	N.D.
Ethyl Benzene	**25**	**61**
Xylenes (Total)	**25**	**150**
Chromatogram Pattern:		**Gas**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	90

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Technical Services	Client Proj. ID: Chevron 9-1153/960729-V-1	Sampled: 07/29/96
985 Timothy Drive	Sample Descript: MW-8	Received: 07/30/96
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/05/96
Attention: Jim Keller	Lab Number: 9607I07-04	Reported: 08/08/96

QC Batch Number: GC080596BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum 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	83

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Technical Services	Client Proj. ID: Chevron 9-1153/960729-V-1	Sampled: 07/29/96
985 Timothy Drive	Sample Descript: MW-9	Received: 07/30/96
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/05/96
Attention: Jim Keller	Lab Number: 9607I07-05	Reported: 08/08/96

QC Batch Number: GC080596BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum 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	83

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Technical Services	Client Proj. ID: Chevron 9-1153/960729-V-1	Sampled: 07/29/96
985 Timothy Drive	Sample Descript: MW-10	Received: 07/30/96
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/05/96
Attention: Jim Keller	Lab Number: 9607I07-06	Reported: 08/08/96

QC Batch Number: GC080596BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum 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**	**14**
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	81

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Technical Services	Client Proj. ID: Chevron 9-1153/960729-V-1	Sampled: 07/29/96
985 Timothy Drive	Sample Descript: C-3	Received: 07/30/96
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/05/96
Attention: Jim Keller	Lab Number: 9607I07-07	Reported: 08/08/96

QC Batch Number: GC080596BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum 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	79

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Technical Services	Client Proj. ID: Chevron 9-1153/960729-V-1	Sampled: 07/29/96
985 Timothy Drive	Sample Descript: Trip	Received: 07/30/96
San Jose, CA 95133	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 08/05/96
Attention: Jim Keller	Lab Number: 9607l07-08	Reported: 08/08/96

QC Batch Number: GC080596BTEX03A
Instrument ID: GCHP03

Total Purgeable Petroleum 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	77

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Technical Services	Client Proj. ID: Chevron 9-1153/960729-V-1	Received: 07/30/96
985 Timothy Drive		
San Jose, CA 95133	Lab Proj. ID: 9607I07	Reported: 08/08/96
Attention: Jim Keller		

LABORATORY NARRATIVE

TPPH Note: Sample 9607I07-03 was diluted 50-fold.

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

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

Client Project ID: Chevron 9-1153 / 960729-V-1
Matrix: Liquid
Work Order #: 9607I07 -01, 03-08
Reported: Aug 9, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC080596BTEX03A	GC080596BTEX03A	GC080596BTEX03A	GC080596BTEX03A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	G. Fish	G. Fish	G. Fish	G. Fish
MS/MSD #:	9607G4503	9607G4503	9607G4503	9607G4503
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	8/5/96	8/5/96	8/5/96	8/5/96
Analyzed Date:	8/5/96	8/5/96	8/5/96	8/5/96
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	9.8	9.7	9.9	30
MS % Recovery:	98	97	99	100
Dup. Result:	9.5	9.2	9.5	28
MSD % Recov.:	95	92	95	93
RPD:	3.1	5.3	4.1	6.9
RPD Limit:	0-25	0-25	0-25	0-25

LCS #:	BLK080596	BLK080596	BLK080596	BLK080596
Prepared Date:	8/5/96	8/5/96	8/5/96	8/5/96
Analyzed Date:	8/5/96	8/5/96	8/5/96	8/5/96
Instrument I.D.#:	GCHP3	GCHP3	GCHP3	GCHP3
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	9.5	9.4	9.5	30
LCS % Recov.:	95	94	95	100

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

SEQUOIA ANALYTICAL

Reggy Penner
Project Manager

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

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

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Tech Services, Inc.	Client Project ID:	Chevron 9-1153 / 960729-V-1	
985 Timothy Drive	Matrix:	Liquid	
San Jose, CA 95133			
Attention: Jim Keller	Work Order #:	9607I07-02	Reported: Aug 9, 1996

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes
QC Batch#:	GC080596BTEX21A	GC080596BTEX21A	GC080596BTEX21A	GC080596BTEX21A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	D. Jirsa	D. Jirsa	D. Jirsa	D. Jirsa
MS/MSD #:	9607G4505	9607G4505	9607G4505	9607G4505
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	8/5/96	8/5/96	8/5/96	8/5/96
Analyzed Date:	8/5/96	8/5/96	8/5/96	8/5/96
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
Result:	10	10	10	31
MS % Recovery:	100	100	100	103
Dup. Result:	9.5	9.3	9.4	28
MSD % Recov.:	95	93	94	93
RPD:	5.1	7.3	6.2	10 ✓
RPD Limit:	0-25	0-25	0-25	0-25

LCS #:	BLK080596	BLK080596	BLK080596	BLK080596
Prepared Date:	8/5/96	8/5/96	8/5/96	8/5/96
Analyzed Date:	8/5/96	8/5/96	8/5/96	8/5/96
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L
LCS Result:	9.3	9.4	9.6	29
LCS % Recov.:	93	94	96	97 ✓

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

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

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

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

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

Chain-of-Custody-Record

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

Chevron Facility Number 9-1153
Facility Address 3126 Fernside Blvd., Alameda, CA
Consultant Project Number 960729-U-1
Consultant Name Blaine Tech Services, Inc.
Address 985 Timothy Dr., San Jose, CA 95133
Project Contact (Name) Jim Keller
(Phone) 408 995-5535 (Fax Number) 408 293-8773

Chevron Contact (Name) Phil Briggs
(Phone) (510) 842-9136
Laboratory Name Sequoia
Laboratory Release Number 2172740
Samples Collected by (Name) F.A. VANDENBROEK
Collection Date 7-29-96
Signature

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	BTEX + TPH G+S (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	MTBE	9607I07			DO NOT BILL FOR TB-LB Remarks
MW-4	1A-C	3	W	G		HCl	Y	✓								✓				
MW-6	2	3						✓								✓				
MW-7	3	3						✓								✓				
MW-8	4	3						✓								✓				
MW-9	5	3						✓								✓				1037
MW-10	6	3						✓								✓				
C-3	7	3						✓								✓				
Trip	8 A,B	2	↓	—	0700	↓	↓	✓								✓				

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BTS	7-30-96 1000		SEQ	7-30-96 1000
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	SEQ	7-30-96 1037			
(Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
					7/30/96 1037

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

Field Data Sheets

WELL GAUGING DATA

Project # 960729-H-1 Date 7-29-96 Client 9-1153

Site 3126 Fernside - Alameda

Well I.D.	Well Size (in.)	Sheen/ Odor	Depth to Immiscible Liquid (feet)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to Water (feet)	Depth to Well Bottom (feet)	Survey Point: TOB or TOC
MW-4	2					3.37	13.31	TOC
MW-5	2	ABANDONED vehicle on well - NO ACCESS to well						
MW-6	2					3.85	14.05	
MW-7	2					5.03	14.50	
MW-8	2					3.37	9.19	
MW-9	2					4.69	8.55	
MW-10	2					4.70	8.90	
C-1	3		5.01	.09	1000	5.10	—	
C-3	3					3.94	19.30	

CHEVRON WELL MONITORING DATA SHEET

Project #: 960729-V-1	Station #: 9-1153
Sampler: Fred	Date: 7-29-96
Well I.D.: C-3	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth:	Depth to Water: 5.10
Depth to Free Product: 5.01	Thickness of Free Product (feet): .09
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
		FP	Well		
			Removed		1 Liter of FP

Did well dewater? Yes No	Gallons actually evacuated:		
Sampling Time: 0930	Sampling Date:		
Sample I.D.:	Laboratory: Sequoia GTEL		
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 #: 960729-V-1	Station #: 9-1153
Sampler: Fred	Start Date: 7-29-96
Well I.D.: MW C-3	Well Diameter: (circle one) 2 (3) 4 6 ___
Total Well Depth: Before 19.30 After	Depth to Water: Before 3.94 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (TOC) Grade	Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

1 Case Volume	x	Specified Volumes	=	gallons
5.68	x	3	=	17.04

Purging: Bailer
~~Disposable Bailer~~
Middleburg
Electric Submersible
Extraction Pump
Other ___

Sampling: Bailer
~~Disposable Bailer~~
Extraction Port
Other ___

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1201	63.6	7.8	600	>200	5.5	
1207	63.6	7.4	600	>200	11.0	
1212	63.6	7.4	600	>200	17.5	✓

Did Well Dewater? If yes, gals. Gallons Actually Evacuated: 17.5

Sampling Time: 1222	Sampling Date: 7-29-96
Sample I.D.: C-3	Laboratory: SCG
Analyzed for: (TPH-G BTEX) TPH-D OTHER: (Circle) MTBE	
Duplicate I.D.:	Cleaning Blank I.D.:
Analyzed for: TPH-G BTEX TPH-D OTHER: (Circle)	

CHEVRON WELL MONITORING DATA SHEET

Project #: 960729-V-1	Station #: 9-1153
Sampler: Fred	Start Date: 7-29-96
Well I.D.: MW-4	Well Diameter: (circle one) (2) 3 4 6 ____
Total Well Depth: Before 13.31 After	Depth to Water: Before 3.37 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

1.59	x	3	4.77
1 Case Volume		Specified Volumes	= gallons

Purging: Bailer
~~Disposable Bailer~~
Middleburg
Electric Submersible
Extraction Pump
Other_____

Sampling: Bailer
~~Disposable Bailer~~
Extraction Port
Other_____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1051	66.8	8.0	800	>200	1.5	
1054	66.0	7.4	800	>200	3.0	
1056	66.0	7.4	800	>200	5.0	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 5.0

Sampling Time: 1106	Sampling Date: 7-29-96
Sample I.D.: MW-4	Laboratory: SEQ
Analyzed for: (Circle) TPH-G BTEX MTBE TPH-D OTHER:	
Duplicate I.D.:	Cleaning Blank I.D.:
Analyzed for: (Circle) TPH-G BTEX TPH-D OTHER:	

CHEVRON WELL MONITORING DATA SHEET

Project #: 960729-V-1	Station #: 9-1153
Sampler: Fred	Date: 7-29-96
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
		ABANDONED Vehicle on Well			
			No Access to Well		

Did well dewater? Yes No	Gallons actually evacuated:		
Sampling Time:	Sampling Date: 7-29-96		
Sample I.D.: MW-5	Laboratory: (Sequoia) GTEL		
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 #: 960729-C-1	Station #: 9-1153
Sampler: Fred	Start Date: 7-29-96
Well I.D.: MW-6	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 14.05 After	Depth to Water: Before 3.85 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: PVC Grade Other:	

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

1 Case Volume	x	Specified Volumes	=	gallons
1.63	x	3	=	4.89

Purging: Bailer
~~Disposable Bailer~~
Middleburg
Electric Submersible
Extraction Pump
Other_____

Sampling: Bailer
~~Disposable Bailer~~
Extraction Port
Other_____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1118	70.6	7.2	1000	>200	1.5	
1120	68.6	7.2	1000	>200	3.0	
1122	68.6	7.2	1000	>200	5.0	✓

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 5.0

Sampling Time: 1132 Sampling Date: 7-29-96

Sample I.D.: MW-6 Laboratory: SEQ

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

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

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

CHEVRON WELL MONITORING DATA SHEET

Project #: 960729-V-1	Station #: 9-1153
Sampler: Fred	Start Date: 7-29-96
Well I.D.: MW-7	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 14.50 After	Depth to Water: Before 5.03 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade Other:	

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

1.51 (1 Case Volume) x 3 (Specified Volumes) = 4.54 gallons

Purging: Bailer
(Disposable Bailer)
~~Middleburg~~
Electric Submersible
Extraction Pump
Other ____

Sampling: Bailer
(Disposable Bailer)
Extraction Port
Other ____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1234	73.2	7.2	1000	>200	1.5	odor
1236	70.4	7.0	800	>200	3.0	
1238	70.4	7.0	800	>200	5.0	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 5.0

Sampling Time: 1248	Sampling Date: 7-29-96
Sample I.D.: MW-7	Laboratory: SEQ
Analyzed for: (Circle) TPH-G BTEX MTBE TPH-D OTHER:	
Duplicate I.D.:	Cleaning Blank I.D.:
Analyzed for: (Circle) TPH-G BTEX TPH-D OTHER:	

CHEVRON WELL MONITORING DATA SHEET

Project #: 960729-D-1	Station #: 9-1153
Sampler: Fred	Start Date: 7-29-96
Well I.D.: MW-8	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 9.19 After	Depth to Water: Before 3.37 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade	Other:

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

.93	x	3	=	2.79
1 Case Volume		Specified Volumes		gallons

Purging: Bailer
~~Disposable Bailer~~
Middleburg
Electric Submersible
Extraction Pump
Other ___

Sampling: Bailer
(Disposable Bailer)
Extraction Port
Other ___

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1026	75.2	8.8	400	>200	1.0	
1028	74.0	8.6	400	>200	2.0	
1030	74.0	8.6	400	>200	3.0	

Did Well Dewater? No If yes, gals. Gallons Actually Evacuated: 3.0

Sampling Time: 1040	Sampling Date: 7-29-96
Sample I.D.: MW-8	Laboratory: SEQ
Analyzed for: (Circle) TPH-G BTEX MTBE TPH-D OTHER:	
Duplicate I.D.:	Cleaning Blank I.D.:
Analyzed for: (Circle) TPH-G BTEX TPH-D OTHER:	

CHEVRON WELL MONITORING DATA SHEET

Project #: 960729-V-5	Station #: 9-1153
Sampler: Fred	Start Date: 7-29-96
Well I.D.: mw-9	Well Diameter: (circle one) (2) 3 4 6 ___
Total Well Depth: Before 8.55 After	Depth to Water: Before 4.69 After
Depth to Free Product:	Thickness of Free Product (feet):
Measurements referenced to: (PVC) Grade Other:	

Well Diameter	VCF	Well Diameter	VCF
1"	0.04	6"	1.47
2"	0.16	8"	2.61
3"	0.37	10"	4.08
4"	0.65	12"	5.87
5"	1.02	16"	10.43

.61	x	3	1.85
1 Case Volume		Specified Volumes	= gallons

Purging: Bailer
~~Disposable Bailer~~
Middleburg
Electric Submersible
Extraction Pump
Other_____

Sampling: Bailer
~~Disposable Bailer~~
Extraction Port
Other_____

TIME	TEMP. (F)	pH	COND.	TURBIDITY:	VOLUME REMOVED:	OBSERVATIONS:
1002	73.2	8.0	1800	>200	.75	
1003	7.24	8.0	1600	>200	1.50	
1004	72.4	8.0	1600	>200	2.0	

Did Well Dewater? NO If yes, gals. Gallons Actually Evacuated: 2.0

Sampling Time: 1014	Sampling Date: 7-29-96
Sample I.D.: mw-9	Laboratory: SEQ
Analyzed for: (TPH-G BTEX MTBE) TPH-D OTHER: (Circle)	
Duplicate I.D.:	Cleaning Blank I.D.:
Analyzed for: (Circle) TPH-G BTEX TPH-D OTHER:	

CHEVRON WELL MONITORING DATA SHEET

Project #: 960729-U-1	Station #: 9-1153
Sampler: Fred	Date: 7-29-96
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 8.90	Depth to Water: 4.70
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
.167	X	____	=	2.01 Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
0910	74.8	7.0	3800	.75	
0913	72.6	6.8	3800	1.50	
0916	72.6	6.8	3800	2.5	

Did well dewater? Yes (No)		Gallons actually evacuated: 2.5	
Sampling Time: 0926		Sampling Date: 7-29-96	
Sample I.D.: MW-10		Laboratory: (Sequoia) GTEL	
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