LS

STID 3565

Chevron

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

Marketing – Sales West
Phone 510 842-9500

November 10, 1997

Mr. Thomas Peacock
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 Mr. Peacock:

Enclosed is the Fourth Quarter Groundwater Monitoring Report for 1997, 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. Note that the previous case worker for this site was Ms. Juliet Shin.

Separate phase hydrocarbons (SPH) continues to be detected in monitoring well C-1 and 0.140 gallons has been removed since the last quarterly event. This is a slight decrease of 0.010 gallons from the previous report. Separate phase hydrocarbons that accumulates in well C-1 is removed once a month. Monitoring wells C-3, MW-4, MW-5, MW-8, and MW-9 were below method detection limits for all constituents, while well MW-10 was below method detection limits for the TPH-g and BTEX constituents. The benzene constituent increased in well MW-6 while decreasing in well MW-7.

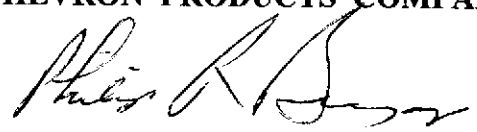
Depth to the ground water varied from 4.20 feet to 5.58 feet below grade with a direction of flow southeasterly.

The bio-indicator parameters of dissolved oxygen, oxidation-reduction potential, pH, alkalinity, ferrous iron, nitrate and sulfate were collected. The dissolved oxygen, oxidation-reduction potential and pH results will be found on the monitoring data sheets while the other parameter results will be in the analytical data sheets. Additional testing for the bio-indicator parameters will need to be collected to determine if bioremediation is occurring at the site.

Now that we are establishing a baseline for the bio-indicator parameters, it appears that it would be appropriate to install Oxygen Releasing Compounds (ORC's) into the three wells (C-1, MW-6, MW-7), that have constantly detected dissolved hydrocarbons. Injection of ORC's could only help to speed up the natural attenuation process. I would appreciate your approval to this recommendation prior to the next sampling event, which is scheduled mid-January 1998.

Chevron will continue to monitor the wells quarterly. If you have 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. & Mrs. Thompson
3135 Gibbons Drive
Alameda, CA 94501

BLAINE
TECH SERVICES INC.

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

December 3, 1997

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

4th Quarter 1997 Monitoring at 9-1153

Fourth Quarter 1997 Groundwater Monitoring at
Former Chevron Service Station Number 9-1153
3126 Fernside Blvd.
Alameda, CA

Monitoring Performed on October 29, 1997

Groundwater Sampling Report **971029-F-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.

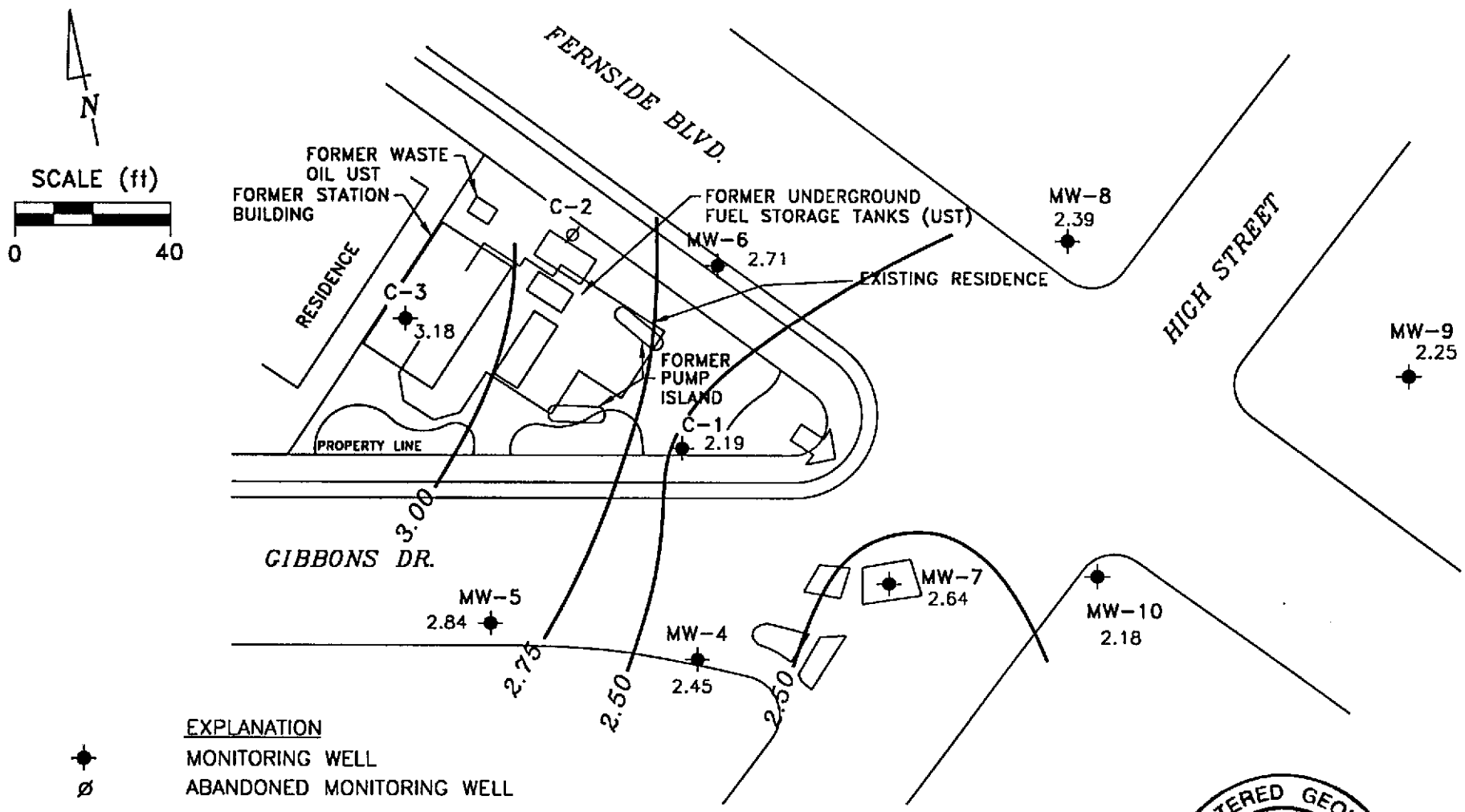
Please call if you have any questions.

Yours truly,

Francis Thie
Vice President

FPT/ew

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



EXPLANATION

- ✦ MONITORING WELL
- ø ABANDONED MONITORING WELL
- 2.84 GROUNDWATER ELEVATION (FT, MSL)
- 3.00 — GROUNDWATER ELEVATION CONTOUR (FT, MSL)
- ⇨ APPROXIMATE GROUNDWATER FLOW DIRECTION; APPROXIMATE GRADIENT = 0.005

REGISTERED GEOLOGIST
STEVEN E. KRCIK
No. 4975
9/98
STATE OF CALIFORNIA

Basemap from Combria Environmental Technology, Inc.

PREPARED BY

RRM
engineering contracting firm

Chevron Station 9-1153
3126 Fernside Boulevard
Alameda, California

GROUNDWATER ELEVATION CONTOUR MAP, OCTOBER 29, 1997

FIGURE:
1
PROJECT:
DAC04

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	--	--	--	--	--	--	--	--

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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	--	--	--	--	--	--	--	--
08/02/96	7.50	1.84	5.68	0.03	0.033	10.454	--	--	--	--	--	--	--	--

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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)														
08/07/96	7.50	2.35	5.16	0.01	0.132	10.586	--	--	--	--	--	--	--	--
08/23/96	7.50	1.77	5.75	0.03	0.026	10.612	--	--	--	--	--	--	--	--
08/28/96	7.50	1.99	5.53	0.03	0.013	10.625	--	--	--	--	--	--	--	--
09/06/96	7.50	2.12	5.38	--	0.046	10.671	--	--	--	--	--	--	--	--
09/12/96	7.50	2.04	5.48	0.03	0.013	10.684	--	--	--	--	--	--	--	--
09/19/96	7.50	1.20	6.32	0.03	0.011	10.695	--	--	--	--	--	--	--	--
10/10/96	7.50	3.00	4.58	0.10	0.132	10.827	--	--	--	--	--	--	--	--
10/17/96	7.50	1.90	5.61	0.01	0.011	10.838	--	--	--	--	--	--	--	--
10/29/96	7.50	1.49	6.01	--	--	10.838	--	--	--	--	--	--	--	--
11/07/96	7.50	1.94	5.56	0.04	0.132	10.970	--	--	--	--	--	--	--	--
11/11/96	7.50	2.18	5.32	0.04	0.132	11.102	--	--	--	--	--	--	--	--
12/11/96	7.50	4.17	3.33	0.03	0.053	11.155	--	--	--	--	--	--	--	--
12/17/96	7.50	3.77	3.73	0.01	0.010	11.165	--	--	--	--	--	--	--	--
01/15/97	7.50	4.76	2.74	--	--	11.165	--	47,000	16,000	2800	1300	4900	<1000	--
01/22/97	7.50	6.13	1.37	0.19	0.066	11.231	--	--	--	--	--	--	--	--
02/04/97	7.50	4.52	2.98	0.51	0.145	11.376	--	--	--	--	--	--	--	--
02/20/97	7.50	3.41	4.09	0.13	0.106	11.482	--	--	--	--	--	--	--	--
03/06/97	7.50	3.75	3.75	0.56	1.189	12.671	--	--	--	--	--	--	--	--
03/14/97	7.50	3.68	3.82	0.03	0.119	12.790	--	--	--	--	--	--	--	--
03/20/97	7.50	3.77	3.73	0.03	0.013	12.803	--	--	--	--	--	--	--	--
03/25/97	7.50	3.18	4.32	0.01	--	12.803	--	--	--	--	--	--	--	--
03/31/97	7.50	3.79	3.71	0.03	0.003	12.806	--	--	--	--	--	--	--	--
04/03/97	7.50	2.92	4.60	0.03	0.004	12.810	--	--	--	--	--	--	--	--
04/09/97	7.50	3.27	4.25	0.02	0.026	12.836	--	--	--	--	--	--	--	--
04/24/97	7.50	2.87	4.65	0.02	0.005	12.841	--	--	--	--	--	--	--	--
04/30/97	7.50	4.02	3.50	0.02	0.005	12.846	--	--	--	--	--	--	--	--
05/22/97	7.50	2.53	4.97	--	0.011	12.857	--	--	--	--	--	--	--	--
06/03/97	7.50	3.93	3.62	0.06	0.007	12.864	--	--	--	--	--	--	--	--
07/09/97	7.50	3.25	4.30	0.06	0.132	12.996	--	--	--	--	--	--	--	--
08/12/97	7.50	2.32	5.18	0.00	0.050	13.046	--	--	--	--	--	--	--	--
09/30/97	7.50	2.65	5.25	0.50	0.070	13.116	--	--	--	--	--	--	--	--
10/29/97	7.50	2.19	5.33	0.03	0.020	13.136	--	--	--	--	--	--	--	--

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-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	<0.5	--	--
10/19/93	4.41	-0.12	4.53	--	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--	--
11/30/93	7.83	3.79	4.04	--	--	--	--	66	12	1.4	1.0	8.4	--	--
01/27/94	7.83	4.66	3.17	--	--	--	--	--	--	--	--	--	--	--
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	--	--
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	--
10/10/96	7.83	3.77	4.06	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/15/97	7.83	6.29	1.54	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/03/97	7.83	4.60	3.23	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/09/97	7.83	3.47	4.36	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	7.83	3.18	4.65	--	--	--	--	<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	--
10/10/96	7.01	3.05	3.96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/15/97	7.01	5.74	1.27	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/03/97	7.01	4.90	2.11	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/09/97	7.01	2.97	4.04	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	7.01	2.45	4.56	--	--	--	--	<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	--	--	--	--	--	--	--
10/10/96	7.04	3.44	3.60	--	--	--	--	1000	18	<1.2	1.5	<1.2	<6.2	--
01/15/97	7.04	6.59	0.45	--	--	--	--	520	0.84	<0.5	3.1	1.2	8.4	--
04/03/97	7.04	4.93	2.11	--	--	--	--	1400	13	<2.0	4.3	8.4	32	--
07/09/97	7.04	3.33	3.71	--	--	--	--	810	3.6	0.97	<0.5	<0.5	9.7	--
10/29/97	7.04	2.84	4.20	--	--	--	--	<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-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	--
10/10/96	7.27	2.90	4.37	--	--	--	--	79	31	<0.5	<0.5	<0.5	<2.5	--
01/15/97	7.27	4.64	2.63	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/03/97	7.27	3.85	3.42	--	--	--	--	670	360	<5.0	<5.0	<5.0	<25	--
07/09/97	7.27	2.98	4.29	--	--	--	--	330	140	<2.0	<2.0	<2.0	<10	--
10/29/97	7.27	2.71	4.56	--	--	--	--	400	260	<2.0	<2.0	<2.0	5.8	--

* 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	--
10/10/96	8.22	2.70	5.52	--	--	--	--	5800	1700	28	170	210	<62	--
01/15/97	8.22	5.30	2.92	--	--	--	--	1000	230	<2.5	28	11	63	--
04/03/97	8.22	3.57	4.65	--	--	--	--	6000	1800	100	140	170	<100	--
07/09/97	8.22	2.83	5.39	--	--	--	--	5500	2200	<20	41	30	<100	--
10/29/97	8.22	2.64	5.58	--	--	--	--	220	40	0.61	3.0	2.4	7.6	--
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	--
10/10/96	6.96	2.84	4.12	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/15/97	6.96	6.02	0.94	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/03/97	6.96	4.76	2.20	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/09/97	6.96	2.66	4.30	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	6.96	2.39	4.57	--	--	--	--	<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-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	--
10/10/96	7.21	2.01	5.20	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/15/97	7.21	3.90	3.31	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/03/97	7.21	2.64	4.57	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/09/97	7.21	2.17	5.04	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	7.21	2.25	4.96	--	--	--	--	<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	--
10/10/96	7.28	2.04	5.24	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/15/97	7.28	3.93	3.35	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/03/97	7.28	2.64	4.64	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	8.2	--
07/09/97	7.28	2.16	5.12	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	7.28	2.18	5.10	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	5.3	--
TMW-1														
11/11/93	--	--	--	--	--	--	--	<1.0	<0.5	<0.5	<0.5	<0.5	--	--

NO LONGER MONITORED OR SAMPLED

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
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	--
10/10/96	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/15/97	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/03/97	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/09/97	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	--	--	--	--	--	--	--	<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, (650) 364-9600, FAX (650) 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
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Chevron 9-1153/971029-F2

Lab Proj. ID: 9710H22

Sampled: 10/29/97
Received: 10/30/97
Analyzed: see below

Reported: 11/10/97

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9710H22-01				
Sample Desc : **LIQUID,C-3**				
Alkalinity: Total	**mg CaCO3/L**	**11/05/97**	**10.0**	**280**
Ferrous Iron	**mg/L**	**11/06/97**	**0.010**	**0.083**
Nitrate as Nitrate	mg/L	10/31/97	0.10	N.D.
Sulfate	**mg/L**	**10/31/97**	**0.10**	**25**
Lab No: 9710H22-02				
Sample Desc : **LIQUID,MW-4**				
Alkalinity: Total	**mg CaCO3/L**	**11/05/97**	**10.0**	**520**
Ferrous Iron	**mg/L**	**11/06/97**	**0.010**	**0.025**
Nitrate as Nitrate	mg/L	10/31/97	0.10	N.D.
Sulfate	**mg/L**	**10/31/97**	**0.10**	**33**
Lab No: 9710H22-03				
Sample Desc : **LIQUID,MW-5**				
Alkalinity: Total	**mg CaCO3/L**	**11/05/97**	**10.0**	**340**
Ferrous Iron	**mg/L**	**11/06/97**	**0.010**	**5.2**
Nitrate as Nitrate	mg/L	10/31/97	0.10	N.D.
Sulfate	**mg/L**	**10/31/97**	**0.50**	**74**
Lab No: 9710H22-04				
Sample Desc : **LIQUID,MW-6**				
Alkalinity: Total	**mg CaCO3/L**	**11/05/97**	**10.0**	**620**
Ferrous Iron	**mg/L**	**11/06/97**	**0.010**	**1.9**
Nitrate as Nitrate	mg/L	10/31/97	0.10	N.D.
Sulfate	**mg/L**	**10/31/97**	**0.10**	**28**

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Chevron 9-1153/971029-F2

Lab Proj. ID: 9710H22

Sampled: 10/29/97
Received: 10/30/97
Analyzed: see below

Reported: 11/10/97

LABORATORY ANALYSIS

Analyte	Units	Date Analyzed	Detection Limit	Sample Results
Lab No: 9710H22-05				
Sample Desc : **LIQUID,MW-7**				
Alkalinity: Total	**mg CaCO3/L**	**11/05/97**	**10.0**	**500**
Ferrous Iron	**mg/L**	**11/06/97**	**0.010**	**2.4**
Nitrate as Nitrate	mg/L	10/31/97	0.10	N.D.
Sulfate	**mg/L**	**10/31/97**	**0.10**	**24**
Lab No: 9710H22-06				
Sample Desc : **LIQUID,MW-8**				
Alkalinity: Total	**mg CaCO3/L**	**11/05/97**	**10.0**	**140**
Ferrous Iron	**mg/L**	**11/06/97**	**0.010**	**0.056**
Nitrate as Nitrate	**mg/L**	**10/31/97**	**0.10**	**0.34**
Sulfate	**mg/L**	**10/31/97**	**0.10**	**25**
Lab No: 9710H22-07				
Sample Desc : **LIQUID,MW-9**				
Alkalinity: Total	**mg CaCO3/L**	**11/05/97**	**10.0**	**600**
Ferrous Iron	**mg/L**	**11/06/97**	**0.010**	**0.070**
Nitrate as Nitrate	**mg/L**	**10/31/97**	**0.10**	**12**
Sulfate	**mg/L**	**10/31/97**	**1.0**	**250**
Lab No: 9710H22-08				
Sample Desc : **LIQUID,MW-10**				
Alkalinity: Total	**mg CaCO3/L**	**11/05/97**	**10.0**	**740**
Ferrous Iron	**mg/L**	**11/06/97**	**0.010**	**6.4**
Nitrate as Nitrate	mg/L	10/31/97	0.10	N.D.
Sulfate	**mg/L**	**10/31/97**	**1.0**	**150**

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Chevron 9-1153/971029-F2
Sample Descript: C-3
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9710H22-01

Sampled: 10/29/97
Received: 10/30/97

Analyzed: 11/03/97
Reported: 11/10/97

QC Batch Number: GC110397BTEX18A
Instrument ID: GCHP18

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:		N.D.

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

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Chevron 9-1153/971029-F2
Sample Descript: MW-4
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9710H22-02

Sampled: 10/29/97
Received: 10/30/97

Analyzed: 11/03/97
Reported: 11/10/97

QC Batch Number: GC110397BTEX18A
Instrument ID: GCHP18

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:		N.D.

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	94

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Tech Services	Client Proj. ID: Chevron 9-1153/971029-F2	Sampled: 10/29/97
1680 Rogers Avenue	Sample Descript: MW-5	Received: 10/30/97
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 11/03/97
Attention: Fran Thie	Lab Number: 9710H22-03	Reported: 11/10/97

QC Batch Number: GC110397BTEX18A
Instrument ID: GCHP18

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	101

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Chevron 9-1153/971029-F2
Sample Descript: MW-6
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9710H22-04

Sampled: 10/29/97
Received: 10/30/97

Analyzed: 11/06/97
Reported: 11/10/97

QC Batch Number: GC110697BTEX02A
Instrument ID: GCHP02

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	**200**	**400**
Methyl t-Butyl Ether	**2.5**	**5.8**
Benzene	**2.0**	**260**
Toluene	2.0	N.D.
Ethyl Benzene	2.0	N.D.
Xylenes (Total)	2.0	N.D.
Chromatogram Pattern:		
Weathered Gas		**C6-C12**

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	91

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Chevron 9-1153/971029-F2
Sample Descript: MW-7
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9710H22-05

Sampled: 10/29/97
Received: 10/30/97

Analyzed: 11/03/97
Reported: 11/10/97

QC Batch Number: GC110397BTEX18A
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	220
Methyl t-Butyl Ether	2.5	7.6
Benzene	0.50	40
Toluene	0.50	0.61
Ethyl Benzene	0.50	3.0
Xylenes (Total)	0.50	2.4
Chromatogram Pattern:		Gas

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	119

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

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Blaine Tech Services	Client Proj. ID: Chevron 9-1153/971029-F2	Sampled: 10/29/97
1680 Rogers Avenue	Sample Descript: MW-8	Received: 10/30/97
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 11/03/97
Attention: Fran Thie	Lab Number: 9710H22-06	Reported: 11/10/97

QC Batch Number: GC110397BTEX06A
Instrument ID: GCHP06

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	95

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

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Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Attention: Fran Thie

Client Proj. ID: Chevron 9-1153/971029-F2
Sample Descript: MW-9
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9710H22-07

Sampled: 10/29/97
Received: 10/30/97

Analyzed: 11/04/97
Reported: 11/10/97

QC Batch Number: GC110497BTEX01A
Instrument ID: GCHP01

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	94

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Penner
Project Manager

Sequoia Analytical

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Blaine Tech Services	Client Proj. ID: Chevron 9-1153/971029-F2	Sampled: 10/29/97
1680 Rogers Avenue	Sample Descript: MW-10	Received: 10/30/97
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 11/06/97
Attention: Fran Thie	Lab Number: 9710H22-08	Reported: 11/10/97

QC Batch Number: GC110697BTEX02A
Instrument ID: GCHP02

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**	**5.3**
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	92

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

SEQUOIA ANALYTICAL - ELAP #1210

Peggy Renner
Project Manager

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Blaine Tech Services	Client Proj. ID: Chevron 9-1153/971029-F2	Sampled: 10/29/97
1680 Rogers Avenue	Sample Descript: TB	Received: 10/30/97
San Jose, CA 95112	Matrix: LIQUID	
	Analysis Method: 8015Mod/8020	Analyzed: 11/04/97
Attention: Fran Thie	Lab Number: 9710H22-09	Reported: 11/10/97

QC Batch Number: GC110497BTEX18A
Instrument ID: GCHP18

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	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

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

Client Project ID: Chevron 9-1153 / 971029-F2
Matrix: Liquid
Work Order #: 9710H22 -01-08

Reported: Nov 10, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Nitrate	Sulfate	Alkalinity
QC Batch#:	IN103197300000B	IN103197300000B	IN110597040300A
Analy. Method:	EPA 300.0	EPA 300.0	SM 403
Prep. Method:	N.A.	N.A.	N.A.
Analyst:	P. Sandrock	P. Sandrock	J. Saadeh
MS/MSD #:	9710H2201	9710H2201	9710G6502
Sample Conc.:	N.D.	25	220
Prepared Date:	10/31/97	10/31/97	11/5/97
Analyzed Date:	10/31/97	10/31/97	11/5/97
Instrument I.D.#:	INIC2	INIC2	MANUAL
Conc. Spiked:	1.0 mg/L	1.0 mg/L	200 mg/L
Result:	1.1	26	420
MS % Recovery:	110	100	100
Dup. Result:	1.1	26	420
MSD % Recov.:	110	100	100
RPD:	0.0	0.0	0.0
RPD Limit:	0-20	0-20	0-20

LCS #:	LCS103197	LCS103197	LCS110597
Prepared Date:	10/31/97	10/31/97	11/5/97
Analyzed Date:	10/31/97	10/31/97	11/5/97
Instrument I.D.#:	INIC2	INIC2	MANUAL
Conc. Spiked:	10 mg/L	10 mg/L	100 mg/L
LCS Result:	9.8	10	104
LCS % Recov.:	98	100	104

MS/MSD	75-125	75-125	75-125
LCS	80-120	80-120	80-120
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

Sequoia Analytical

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Blaine Tech Services, Inc.	Client Project ID:	Chevron 9-1153 / 971029-F2	
1680 Rogers Ave.	Matrix:	Liquid	
San Jose, CA 95112			
Attention: Fran Thie	Work Order #:	9710H22-01-08	Reported: Nov 10, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Beryllium	Cadmium	Chromium	Nickel
QC Batch#:	ME1106976010M2A	ME1106976010M2A	ME1106976010M2A	ME1106976010M2A
Analy. Method:	EPA 6010	EPA 6010	EPA 6010	EPA 6010
Prep. Method:	EPA 3010	EPA 3010	EPA 3010	EPA 3010
Analyst:	R. Butler	R. Butler	R. Butler	R. Butler
MS/MSD #:	9710H2208	9710H2208	9710H2208	9710H2208
Sample Conc.:	N.D.	N.D.	N.D.	N.D.
Prepared Date:	11/6/97	11/6/97	11/6/97	11/6/97
Analyzed Date:	11/6/97	11/6/97	11/6/97	11/6/97
Instrument I.D.#:	MTJA5	MTJA5	MTJA5	MTJA5
Conc. Spiked:	1.0 mg/L	1.0 mg/L	1.0 mg/L	1.0 mg/L
Result:	0.97	1.0	0.98	0.98
MS % Recovery:	97	100	98	98
Dup. Result:	0.97	1.0	1.0	0.99
MSD % Recov.:	97	100	100	99
RPD:	0.0	0.0	2.0	1.0
RPD Limit:	0-20	0-20	0-20	0-20
LCS #:	CCVMI110197	CCVMI110197	CCVMI110197	CCVMI110197
Prepared Date:	11/1/97	11/1/97	11/1/97	11/1/97
Analyzed Date:	11/6/97	11/6/97	11/6/97	11/6/97
Instrument I.D.#:	MTJA2	MTJA2	MTJA2	MTJA2
Conc. Spiked:	5.0 mg/L	5.0 mg/L	5.0 mg/L	5.0 mg/L
LCS Result:	5.0	5.1	5.1	5.1
LCS % Recov.:	100	102	102	102
MS/MSD Control Limits	80-120	80-120	80-120	80-120
LCS Control Limits	80-120	80-120	80-120	80-120

SEQUOIA ANALYTICAL

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

Sequoia Analytical

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Blaine Tech Services, Inc.	Client Project ID:	Chevron 9-1153 / 971029-F2	
1680 Rogers Ave.	Matrix:	Liquid	
San Jose, CA 95112			
Attention: Fran Thie	Work Order #:	9710H22-01-03, 05	Reported: Nov 10, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC110397BTEX18A	GC110397BTEX18A	GC110397BTEX18A	GC110397BTEX18A	GC110397BTEX18A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	A. Porter	A. Porter	A. Porter	A. Porter	A. Porter
MS/MSD #:	9710F6603	9710F6603	9710F6603	9710F6603	9710F6603
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	11/3/97	11/3/97	11/3/97	11/3/97	11/3/97
Analyzed Date:	11/3/97	11/3/97	11/3/97	11/3/97	11/3/97
Instrument I.D.#:	GCHP18	GCHP18	GCHP18	GCHP18	GCHP18
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	9.2	9.3	9.2	29	58
MS % Recovery:	92	93	92	97	97
Dup. Result:	9.3	9.4	9.4	29	59
MSD % Recov.:	93	94	94	97	98
RPD:	1.1	1.1	2.2	0.0	1.7
RPD Limit:	0-25	0-25	0-25	0-25	0-25
LCS #:	BLK110397	BLK110397	BLK110397	BLK110397	BLK110397
Prepared Date:	11/3/97	11/3/97	11/3/97	11/3/97	11/3/97
Analyzed Date:	11/3/97	11/3/97	11/3/97	11/3/97	11/3/97
Instrument I.D.#:	GCHP18	GCHP18	GCHP18	GCHP18	GCHP18
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	10	11	11	33	67
LCS % Recov.:	100	110	110	110	112
MS/MSD Control Limits	60-140	60-140	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130	70-130	70-130

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

Sequoia Analytical

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819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

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

Client Project ID: Chevron 9-1153 / 971029-F2
Matrix: Liquid
Work Order #: 9710H22-04

Reported: Nov 10, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC110697BTEX02A	GC110697BTEX02A	GC110697BTEX02A	GC110697BTEX02A	GC110697BTEX02A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	A. Miraftab	A. Miraftab	A. Miraftab	A. Miraftab	A. Miraftab
MS/MSD #:	9710I4809	9710I4809	9710I4809	9710I4809	9710I4809
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	11/6/97	11/6/97	11/6/97	11/6/97	11/6/97
Analyzed Date:	11/6/97	11/6/97	11/6/97	11/6/97	11/6/97
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	10	9.7	9.9	30	64
MS % Recovery:	100	97	99	100	107
Dup. Result:	9.7	9.3	9.4	29	61
MSD % Recov.:	97	93	94	97	102
RPD:	3.0	4.2	5.2	3.4	4.8
RPD Limit:	0-25	0-25	0-25	0-25	0-25
LCS #:	BLK110697	BLK110697	BLK110697	BLK110697	BLK110697
Prepared Date:	11/6/97	11/6/97	11/6/97	11/6/97	11/6/97
Analyzed Date:	11/6/97	11/6/97	11/6/97	11/6/97	11/6/97
Instrument I.D.#:	GCHP2	GCHP2	GCHP2	GCHP2	GCHP2
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	9.2	8.9	9.0	27	59
LCS % Recov.:	92	89	90	90	98
MS/MSD Control Limits	60-140	60-140	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

Please Note:
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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 / 971029-F2	
1680 Rogers Ave.	Matrix:	Liquid	
San Jose, CA 95112			
Attention: Fran Thie	Work Order #:	9710H22-06, 08	Reported: Nov 10, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC110397BTEX06A	GC110397BTEX06A	GC110397BTEX06A	GC110397BTEX06A	GC110397BTEX06A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	A. Porter	A. Porter	A. Porter	A. Porter	A. Porter
MS/MSD #:	9710G1301	9710G1301	9710G1301	9710G1301	9710G1301
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	11/3/97	11/3/97	11/3/97	11/3/97	11/3/97
Analyzed Date:	11/3/97	11/3/97	11/3/97	11/3/97	11/3/97
Instrument I.D.#:	GCHP6	GCHP6	GCHP6	GCHP6	GCHP6
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	8.9	8.7	8.8	26	57
MS % Recovery:	89	87	88	87	95
Dup. Result:	11	10	11	32	69
MSD % Recov.:	110	100	110	107	115
RPD:	21	14	22	21	19
RPD Limit:	0-25	0-25	0-25	0-25	0-25
LCS #:	BLK110397	BLK110397	BLK110397	BLK110397	BLK110397
Prepared Date:	11/3/97	11/3/97	11/3/97	11/3/97	11/3/97
Analyzed Date:	11/3/97	11/3/97	11/3/97	11/3/97	11/3/97
Instrument I.D.#:	GCHP6	GCHP6	GCHP6	GCHP6	GCHP6
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	10	10	10	31	68
LCS % Recov.:	100	100	100	103	113
MS/MSD Control Limits	60-140	60-140	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

Please Note:
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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 / 971029-F2	
1680 Rogers Ave.	Matrix:	Liquid	
San Jose, CA 95112			
Attention: Fran Thie	Work Order #:	9710H22-07	Reported: Nov 10, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC110497BTEX01A	GC110497BTEX01A	GC110497BTEX01A	GC110497BTEX01A	GC110497BTEX01A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	A. Porter	A. Porter	A. Porter	A. Porter	A. Porter
MS/MSD #:	9710F6605	9710F6605	9710F6605	9710F6605	9710F6605
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	11/4/97	11/4/97	11/4/97	11/4/97	11/4/97
Analyzed Date:	11/4/97	11/4/97	11/4/97	11/4/97	11/4/97
Instrument I.D.#:	GCHP1	GCHP1	GCHP1	GCHP1	GCHP1
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	9.9	9.8	10	31	65
MS % Recovery:	99	98	100	103	108
Dup. Result:	10	10	10	32	66
MSD % Recov.:	100	100	100	107	110
RPD:	1.0	2.0	0.0	3.2	1.5
RPD Limit:	0-25	0-25	0-25	0-25	0-25
LCS #:	BLK110497	BLK110497	BLK110497	BLK110497	BLK110497
Prepared Date:	11/4/97	11/4/97	11/4/97	11/4/97	11/4/97
Analyzed Date:	11/4/97	11/4/97	11/4/97	11/4/97	11/4/97
Instrument I.D.#:	GCHP1	GCHP1	GCHP1	GCHP1	GCHP1
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	10	10	11	32	67
LCS % Recov.:	100	100	110	107	112
MS/MSD Control Limits	60-140	60-140	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL

Reggy Penner
Project Manager

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Blaine Tech Services, Inc.	Client Project ID:	Chevron 9-1153 / 971029-F2	
1680 Rogers Ave.	Matrix:	Liquid	
San Jose, CA 95112			
Attention: Fran Thie	Work Order #:	9710H22-09	Reported: Nov 10, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC110497BTEX18A	GC110497BTEX18A	GC110497BTEX18A	GC110497BTEX18A	GC110497BTEX18A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	A. Porter	A. Porter	A. Porter	A. Porter	A. Porter
MS/MSD #:	9710F6605	9710F6605	9710F6605	9710F6605	9710F6605
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	11/4/97	11/4/97	11/4/97	11/4/97	11/4/97
Analyzed Date:	11/4/97	11/4/97	11/4/97	11/4/97	11/4/97
Instrument I.D.#:	GCHP18	GCHP18	GCHP18	GCHP18	GCHP18
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	11	11	11	34	69
MS % Recovery:	110	110	110	113	115
Dup. Result:	11	11	11	35	70
MSD % Recov.:	110	110	110	117	117
RPD:	0.0	0.0	0.0	2.9	1.4
RPD Limit:	0-25	0-25	0-25	0-25	0-25
LCS #:	BLK110497	BLK110497	BLK110497	BLK110497	BLK110497
Prepared Date:	11/4/97	11/4/97	11/4/97	11/4/97	11/4/97
Analyzed Date:	11/4/97	11/4/97	11/4/97	11/4/97	11/4/97
Instrument I.D.#:	GCHP18	GCHP18	GCHP18	GCHP18	GCHP18
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	12	11	11	33	68
LCS % Recov.:	120	110	110	110	113
MS/MSD Control Limits	60-140	60-140	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

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Blaine Tech Services	Client Proj. ID: Chevron 9-1153/971029-F2	Received: 10/30/97
1680 Rogers Avenue San Jose, CA 95112 Attention: Fran Thie	Lab Proj. ID: 9710H22	Reported: 11/10/97

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 19 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

TPPH Note: Sample 9710H22-04 was diluted 4-fold.

SEQUOIA ANALYTICAL

Peggy Penner
Project Manager

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 971029-F2
Consultant Name Blaine Tech Services, Inc.
Address 1680 Rogers Ave., San Jose, CA 95112
Project Contact (Name) Fran Thie
(Phone) (408)573-0555 (Fax Number) (408)573-7771

Chevron Contact (Name) Phil Briggs
(Phone) (510) 842-9136
Laboratory Name Sequoia
Laboratory Release Number 9034475
Samples Collected by (Name) Tim GRAF
Collection Date 10/29/97
Signature

Analyses To Be Performed 9710H22

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 GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)	Alkalinity By 310.2	Sulfate By 300.0	Nitrate By 300.0	Ferrous Iron By 200.7		Remarks
C-3	01	6	W		1245	HCl	Y	X								X	X	X	X		DO NOT BILL FOR TB-LB
MW-4	02	6			1305			X								X	X	X	X		* FIELD FILTERED
MW-5	03	6			1435			X								X	X	X	X		
MW-6	04	6			1400			X								X	X	X	X		
MW-7	05	6			1500			X								X	X	X	X		
MW-8	06	6			1210			X								X	X	X	X		
MW-9	07	6			1140			X								X	X	X	X		
MW-10	08	6			1340			X								X	X	X	X		
TB	09	2	W		—	HCl	Y	X													

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

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	BTS	10/30/97 11:10		SEQUOIA	10/30/97 1140
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
		10/30/97			
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time

91/MCH

Field
Data
Sheets

WELL GAUGING DATA

Project # 971029-F2 Date 10/29/97 Client CHEVRON 9-1153

Site 3126 FERNSIDE ALAMEDA, CA

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
C-1	3	F.P.	5.30	0.03	80ml	5.33	—	TOC
C-3	3					4.65	19.40	
MW-4	2					4.56	13.01	
MW-5	2					4.20	13.15	
MW-6	2					4.56	13.80	
MW-7	2					5.58	14.47	
MW-8	2					4.57	9.19	
MW-9	2					4.96	8.57	
MW-10	2					5.10	8.89	TOC

CHEVRON WELL MONITORING DATA SHEET

Project #: 971029-F2	Station #: 9-1153
Sampler: TG	Date: 10/29
Well I.D.: C-1	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: —	Depth to Water: 5.33
Depth to Free Product: 5.30	Thickness of Free Product (feet): 0.03
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 3 (Specified Volumes) = — Gals. (Calculated Volume)

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
		FREE	PRODUCT	- NO	SAMPLE
			BAILED	APPROX.	80 ml

Did well dewater? Yes No		Gallons actually evacuated:	
Sampling Time:		Sampling Date: 10/29	
Sample I.D.: C-T		Laboratory: (Sequoia) GTEL N. Creek Assoc. Labs	
Analyzed for: ~~TPH-G~~ ~~BTEX~~ ~~MTBE~~ TPH-D		Other: Alkalinity, Nitrate, Sulfate, Ferrous Iron	
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 #: 97029-F2	Station #: 9-1153
Sampler: TG	Date: 10/29
Well I.D.: C-3	Well Diameter: 2 (3) 4 6 8 ____
Total Well Depth: 19.40	Depth to Water: 4.65
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 (x) / Middleburg / Electric Submersible / Extraction Pump / Other: ____

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

5.5 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 16.5 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1228	63.8	7.2	500	5.5	
1233	64.2	7.1	480	11.0	
1238	63.8	7.1	500	16.5	

Did well dewater? Yes (No)		Gallons actually evacuated: 16.5	
Sampling Time: 1245		Sampling Date: 10/29	
Sample I.D.: C-3		Laboratory: (Sequoia) GTEL N. Creek Assoc. Labs	
Analyzed for: (TPH-G) BTEX MTBE TPH-D		Other: Alkalinity, Nitrate, Sulfate, Ferrous Iron	
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D	Other:	
D.O. (if req'd): (Pre-purge):	2.6 mg/L	(Post-purge):	2.1 mg/L
O.R.P. (if req'd): (Pre-purge):	181 mV	(Post-purge):	200 mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 97029-F2	Station #: 9-1153
Sampler: TO	Date: 10/29
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 13.01	Depth to Water: 4.56
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 / (Disposable Bailer) / Middleburg / Electric Submersible / Extraction Pump / Other: ____

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

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

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1256	67.6	7.1	860	1.5	
1258	67.8	7.0	860	3.0	
1300	67.6	7.0	860	4.25	

Did well dewater? Yes (No)		Gallons actually evacuated: 4.25	
Sampling Time: 1305		Sampling Date: 10/29	
Sample I.D.: MW-4		Laboratory: (Sequoia) GTEL N. Creek Assoc. Labs	
Analyzed for: TPH-G BTEX MTBE TPH-D		Other: Alkalinity, Nitrate, Sulfate, Ferrous Iron	
Duplicate I.D.:		Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
D.O. (if req'd): (Pre-purge:)	1.4 mg/L	(Post-purge:)	2.5 mg/L
O.R.P. (if req'd): (Pre-purge:)	227 mV	(Post-purge:)	228 mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 971029-F2	Station #: 9-1153
Sampler: TC	Date: 10/29
Well I.D.: MW-5	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 13.15	Depth to Water: 4.20
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 (X) / Middleburg / Electric Submersible / Extraction Pump / Other: ___

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

1.9	X	3	=	4.2 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1424	71.0	6.9	1000	1.50	0 dr
1426	70.6	6.9	940	3.0	
1428	71.0	6.9	960	4.25	

Did well dewater? Yes (No)		Gallons actually evacuated: 4.25	
Sampling Time: 1435		Sampling Date: 10/29	
Sample I.D.: MW-5		Laboratory: (Sequoia) GTEL N. Creek Assoc. Labs	
Analyzed for: (TPH-G BTEX MTBE) TPH-D		Other: Alkalinity, Nitrate, Sulfate, Ferrous Iron	
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D	Other:	
D.O. (if req'd): (Pre-purge:)	1.6 mg/L	(Post-purge:)	1.4 mg/L
O.R.P. (if req'd): (Pre-purge:)	008 mV	(Post-purge:)	−13 mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 971029-F2	Station #: 9-1153
Sampler: TG	Date: 10/29
Well I.D.: MW-6	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 13.80	Depth to Water: 4.56
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	radius² * 0.163

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

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

1.5	X	3	=	4.5	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1351	69.4	7.2	1400	1.5	0 dor
1354	69.0	7.2	1200	3.0	
1357	69.0	7.1	1200	4.5	

Did well dewater? Yes (No)		Gallons actually evacuated: 4.5	
Sampling Time: 1400		Sampling Date: 10/29	
Sample I.D.: MW-6		Laboratory: (Sequoia) GTEL N. Creek Assoc. Labs	
Analyzed for: (TPH-G BTEX MTBE) TPH-D		Other: Alkalinity Nitrate, Sulfate, Ferrous Iron	
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D	Other:	
D.O. (if req'd): (Pre-purge):	1.4 mg/L	(Post-purge):	1.6 mg/L
O.R.P. (if req'd): (Pre-purge):	125 mV	(Post-purge):	28 mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 97029-F2	Station #: 9-1153
Sampler: TG	Date: 10/29
Well I.D.: MW-8	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 9.19	Depth to Water: 4.57
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: ___

0.7	X	3	=	2.1 Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1202	73.2	7.1	360	0.75	
1204	73.8	7.2	260	1.5	
1206	73.2	7.2	250	2.25	

Did well dewater? Yes (No)		Gallons actually evacuated: 2.25	
Sampling Time: 1210		Sampling Date: 10/29	
Sample I.D.: MW-8		Laboratory: (Sequoia) GTEL N. Creek Assoc. Labs	
Analyzed for: (TPH-G) BTEX (MTBE) TPH-D		Other: Alkalinity, Nitrate, Sulfate, Ferrous Iron	
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D	Other:	
D.O. (if req'd): (Pre-purge):	1.0 mg/L	(Post-purge):	1.8 mg/L
O.R.P. (if req'd): (Pre-purge):	183 mV	(Post-purge):	187 mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 971029-2	Station #: 9-1153
Sampler: TO	Date: 10/29
Well I.D.: MW-9	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 8.57	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	radius² * 0.163

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

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

0.6 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 1.8 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1127	73.2	7.0	1800	0.75	
1129	73.4	7.1	1800	1.25	
1131	73.2	7.0	1800	2.0	

Did well dewater? Yes (No)		Gallons actually evacuated: 2.0	
Sampling Time: 1140		Sampling Date: 10/29	
Sample I.D.: MW-9		Laboratory: (Sequoia) GTEL N. Creek Assoc. Labs	
Analyzed for: ~~TPH-G~~ BTEX MTBE ~~TPH-D~~		Other: Alkalinity, Nitrate, Sulfate, Ferrous Iron	
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D	Other:	
D.O. (if req'd): (Pre-purge):	2.4 mg/L	(Post-purge):	2.1 mg/L
O.R.P. (if req'd): ~~Pre-purge~~:	152 mV	(Post-purge):	168 mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 970129-F2	Station #: 9-1153
Sampler: TC	Date: 10/29
Well I.D.: MW-10	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 8.89	Depth to Water: 5.10
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: ____

0.6 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 1.8 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1326	71.4	6.8	4000	0.75	
1328	71.2	6.9	3600	1.25	
1330	71.2	6.9	3600	2.0	

Did well dewater? Yes (No) Gallons actually evacuated: 2.0

Sampling Time: 1340 Sampling Date: 10/29

Sample I.D.: MW-10 Laboratory: (Sequoia) GTEL N. Creek Assoc. Labs

Analyzed for: (TPH-G BTEX MTBE) TPH-D Other: Alkalinity, Nitrate, Sulfate, Ferrous Iron

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

D.O. (if req'd):	(Pre-purge:)	1.7 mg/L	(Post-purge:)	1.6 mg/L
O.R.P. (if req'd):	(Pre-purge:)	20 mV	(Post-purge:)	18 mV

WELL GAUGING DATA

Project # 970930-T3 Date 9-30-97 Client Chevron

Site 3126 Fernside Blvd., Alameda, CA

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
C1	3	S.	5.20	.5	.250 ml ~~5.25~~	5.25	—	TOC

WELL GAUGING DATA

Project # 970812-L4 Date 8-12-97 Client 9-1153

Site 3126 FERNSIDE BLVD, ALAMEDA CA

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
C-1	3	1	—	0.00	200.	5.18	—	TOC

CHEVRON WELL MONITORING DATA SHEET

Project #: 970812-L4	Station #: 9-1153
Sampler: LAD	Date: 8-12-97
Well I.D.: C-1	Well Diameter: 2 (3) 4 6 8 ___
Total Well Depth: ✓	Depth to Water: 5.18
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) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1409 - EMPTIED SKIMMER 200ml SPH					
- NO SPH LAYER MEASURED					

Did well dewater? Yes (No)	Gallons actually evacuated: ___		
Sampling Time: 1415	Sampling Date: 8-12-97		
Sample I.D.: SPH-C1	Laboratory: Sequoia GTEL ~~N. Creek~~ ~~Assoc. Labs~~ (CHEN TERRY)		
Analyzed for: TPH-G BTEX MTBE TPH-D Other: MATERIAL ID.			
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