

Chevron



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February 10, 1998

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

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

Re: Chevron Service Station #9-0076
4265 Foothill Blvd.
Oakland, California

#103

Dear Mr. Chan:

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. Ground water samples were collected and analyzed for TPH-g, BTEX and MtBE constituents. In accordance with your letter of August 21, 1997 the sampling frequency of monitoring wells C-5, C-8 and C-9 has been changed to annually, with the sampling event occurring in the first quarter. The remaining wells will continue to be sampled quarterly.

The concentration of the benzene constituent decreased in monitoring wells C-3, C-4, C-6 and C-7, but increased in wells C-1 and C-2.

To establish a bioremediation baseline, all of the wells were analyzed for the bioparameters in the third quarter and the evaluation of these results were noted in Chevron's letter of February 6, 1998. The main point of the evaluation was that bioremediation is occurring at the site. Note that oxygen releasing compounds (ORC) have been installed in wells C-2, C-4 and C-6 to increase the bioremediation activity around these wells.

no observed decrease in TPH

Depth to ground water varied from 13.18 feet to 29.80 feet below grade with a direction of flow southwesterly.



February 10, 1998
Mr. Barney Chan
Chevron Service Station #9-0076
Page 2

The wells will continue to be sampled in accordance to the schedule as outlined above. If you have any questions, call me at (510) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY



Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

cc. Mr. Bill Scudder, Chevron

Mr. Alex Perez
Shell Oil Company
PO Box 8080
Martinez, CA 94553

American Stores Properties, Inc.
348 East South Temple Street
Salt Lake City, UT 84111
Attn. Barbara Russell

BLAINE
TECH SERVICES INC.



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

January 22, 1998

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

4th Quarter 1997 Monitoring at 9-0076

Fourth Quarter 1997 Groundwater Monitoring at
Chevron Service Station Number 9-0076
4265 Foothill Blvd.
Oakland, CA

Monitoring Performed on December 11, 1997

Groundwater Sampling Report 971211-C-1

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

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

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the Analytical Appendix. The table

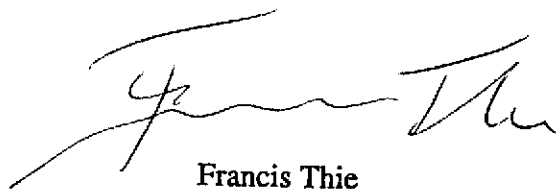
also contains new groundwater elevation calculations taken from the computer plotted gradient map which is located in the Professional Engineering Appendix.

At a minimum, Blaine Tech Services, Inc. field personnel are certified upon completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. concentrates on objective data collection and does not participate in the interpretation of analytical results, the definition of geological or hydrological conditions, the formulation of recommendations, or the marketing of remedial systems.

Please call if you have any questions.

Yours truly,

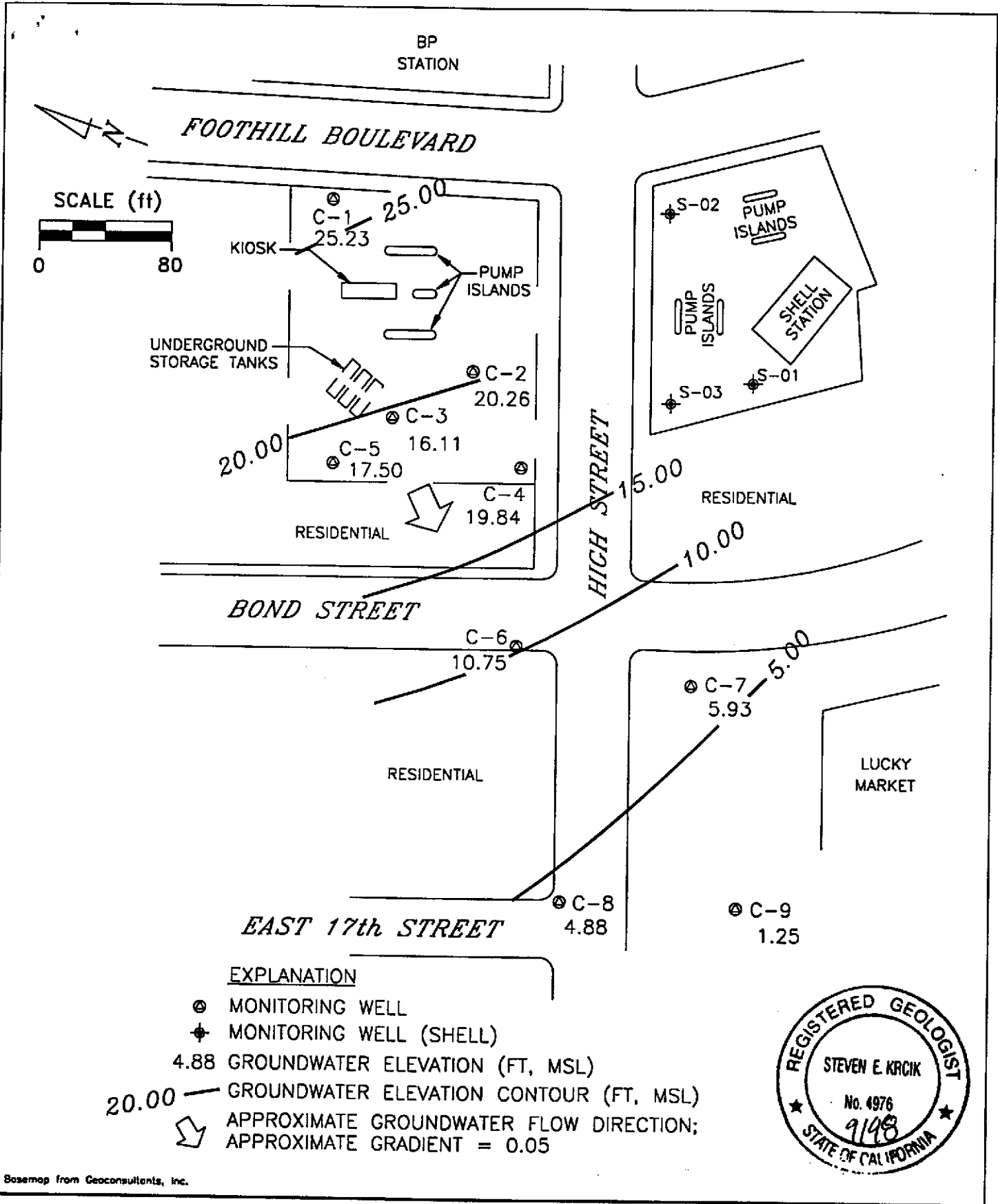
A handwritten signature in black ink, appearing to read "Francis Thie", written in a cursive style.

Francis Thie
Vice President

FPT/ew

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

Professional Engineering Appendix



Base map from Geoconsultants, Inc.

PREPARED BY RRM engineering contracting firm	Chevron Station 9-0076 4265 Foothill Boulevard Oakland, California	FIGURE: 1
	GROUNDWATER ELEVATION CONTOUR MAP, DECEMBER 11, 1997	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	Ground	Depth	Total			Notes	TPH- Gasoline	Benzene	Toluene	Ethyl- Benzene	Xylene	MTBE
	Head Elev.	Water Elev.	To Water	SPH Thickness	SPH Removed	SPH Removed							
C-1													
04/28/89	35.42	15.37	20.05	--	--	--	--						
08/08/89	35.42	11.35	24.07	--	--	--	--	940	30	1.3	11	13	--
12/21/89	35.42	12.61	22.81	--	--	--	--	820	45	2.0	13	13	--
08/27/90	35.42	13.30	22.12	--	--	--	--	--	--	--	--	--	--
11/04/90	35.42	9.86	25.56	--	--	--	--	440	15	1.0	6.0	13	--
06/18/91	35.42	13.78	21.64	--	--	--	--	--	--	--	--	--	--
09/19/91	35.42	10.84	24.58	--	--	--	--	74	5.6	0.6	1.9	1.3	--
12/20/91	35.42	9.25	26.17	--	--	--	--	150	7.1	<0.5	2.3	3.0	--
03/18/92	35.42	17.17	18.25	--	--	--	--	250	10	<0.5	3.7	1.6	--
07/14/92	35.42	7.81	27.61	--	--	--	--	190	16	<0.5	8.5	2.9	--
10/08/92	35.42	10.98	24.44	--	--	--	--	20,000	480	2200	510	2900	--
01/08/93	35.42	15.74	19.68	--	--	--	--	360	34	4.6	19	12	--
04/14/93	35.42	19.04	16.38	--	--	--	--	120	9.1	0.5	5.1	1.8	--
07/16/93	35.42	--	--	--	--	--	--	190	74	0.6	1.0	2.0	--
07/27/93	35.42	26.03	9.39	--	--	--	--	--	--	--	--	--	--
09/21/93	38.41	16.99	21.42	--	--	--	--	300	12	<0.5	5.0	2.0	--
01/28/94	38.41	18.84	19.57	--	--	--	--	360	12	1.2	5.8	3.7	--
03/17/94	38.41	21.56	16.85	--	--	--	--	370	24	1.0	13	4.0	--
06/16/94	38.41	20.58	17.83	--	--	--	--	460	42	<0.5	6.7	3.7	--
09/22/94	38.41	18.15	20.26	--	--	--	--	320	20	0.7	8.7	3.0	--
12/15/94	38.41	22.59	15.82	--	--	--	--	380	24	0.6	8.8	1.9	--
03/30/95	38.41	26.39	12.02	--	--	--	--	280	23	7.6	7.8	13	--
06/20/95	38.41	24.01	14.40	--	--	--	--	2200	890	8.9	15	<5.0	--
09/20/95	38.41	24.59	13.82	--	--	--	--	690	140	<2.0	9.4	2.8	--
12/06/95	38.41	17.81	20.60	--	--	--	--	730	27	78	26	130	--
03/21/96	38.41	26.76	11.65	--	--	--	--	220	16	<0.5	7.2	1.7	11
06/21/96	38.41	24.16	14.25	--	--	--	--	640	170	<2.0	6.7	<2.0	35
09/06/96	38.41	21.66	16.75	--	--	--	--	640	140	<1.2	8.7	2.0	23
12/19/96	38.41	24.43	13.98	--	--	--	--	460	24	0.56	10	2.4	43
03/17/97	38.41	25.63	12.78	--	--	--	--	790	120	22	13	19	<25
06/11/97	38.41	23.25	15.16	--	--	--	--	2200	660	<10	15	<10	110
09/17/97	38.41	21.47	16.94	--	--	--	--	1500	130	<2.0	16	3.4	130
12/11/97	38.41	25.23	13.18	--	--	--	--	910	160	23	13	49	180
								2000	270	7.0	53	7.4	460

* See table of Additional Analysis

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	Volumetric Measurements			Notes	Analytical results					
				SPH Thickness	SPH Removed	Total SPH Removed		TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE
C-2													
04/28/89	35.18	8.74	26.44	--	--	--	--	120,000	30,000	22,000	3000	17,000	--
08/08/89	35.18	5.29	29.90	0.01	--	--	--	--	--	--	--	--	--
12/21/89	35.18	5.86	29.32	--	--	--	--	--	--	--	--	--	--
08/27/90	35.18	5.77	29.55	0.17	--	--	--	--	--	--	--	--	--
11/04/90	35.18	4.71	30.47	--	--	--	--	--	--	--	--	--	--
06/18/91	35.18	6.90	28.33	0.06	--	--	--	--	--	--	--	--	--
09/19/91	35.18	5.84	29.39	0.06	--	--	--	--	--	--	--	--	--
12/20/91	35.18	5.95	29.23	--	--	--	--	170,000	20,000	10,000	2800	19,000	--
03/18/92	35.18	21.58	13.60	0.09	--	--	--	--	--	--	--	--	--
07/14/92	35.18	--	--	--	--	--	--	--	--	--	--	--	--
10/08/92	35.18	--	--	--	--	--	--	--	--	--	--	--	--
01/08/93	35.18	10.98	24.20	Sheen	--	--	--	--	--	--	--	--	--
04/14/93	35.18	--	--	--	--	--	--	79,000	14,000	7200	3500	16,000	--
07/16/93	35.18	5.03	30.15	--	--	--	--	--	--	--	--	--	--
09/21/93	37.47	11.18	26.29	--	--	--	--	2200	440	73	24	350	--
01/28/94	37.47	13.51	23.96	--	--	--	--	11,000	2300	300	270	910	--
03/17/94	37.47	11.48	25.99	--	--	--	--	49,000	11,000	3900	1600	12,000	--
06/16/94	37.47	13.55	23.92	--	--	--	--	16,000	3300	1000	220	3500	--
09/22/94	37.47	11.85	25.62	--	--	--	--	20,000	4800	1500	520	4300	--
12/15/94	37.47	16.31	21.16	--	--	--	--	35,000	5600	850	1700	7300	--
03/30/95	37.47	20.29	17.18	--	--	--	--	96,000	9000	3500	3300	13,000	--
06/20/95	37.47	18.52	18.95	--	--	--	--	100,000	9400	3700	3900	14,000	--
09/20/95	37.47	19.27	18.20	--	--	--	--	93,000	6400	1900	2900	11,000	--
12/06/95	37.47	12.71	24.76	--	--	--	--	58,000	6600	330	1600	5500	--
03/21/96	37.47	21.30	16.17	0.00	0.132	0.130	--	40,000	5000	86	1800	3700	<500
06/21/96	37.47	19.34	18.15	0.02	0.026	0.156	--	--	--	--	--	--	--
09/06/96	37.47	16.36	21.14	0.04	0.079	0.235	--	--	--	--	--	--	--
12/19/96	37.47	19.94	17.55	0.03	0.050	0.285	--	--	--	--	--	--	--
03/17/97	37.47	18.88	18.59	--	--	0.285	--	--	--	--	--	--	--
06/11/97	37.47	16.17	21.30	--	--	0.285	--	58,000	4800	1200	1800	6300	3400
09/17/97	37.47	14.33	23.14	--	--	0.285	*	40,000	5500	720	1400	4100	3100
12/11/97	37.47	20.26	17.21	--	--	0.285	--	30,000	4800	220	1200	1800	3200
								76,000	6100	1300	2200	8000	3800

* See table of Additional Analysis

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	Volumetric Measurements			Notes	Analytical Results (ppb)						
				SPH Thickness	SPH Removed	Total SPH Removed		TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE	
C-3														
04/28/89	35.28	7.28	28.00	--	--	--	--	<500	1.7	<0.5	<0.5	<0.5	<0.5	--
08/08/89	35.28	5.28	30.00	--	--	--	--	<500	1.0	<0.5	<0.5	<0.5	<0.5	--
12/21/89	35.28	4.75	30.53	--	--	--	--	--	--	--	--	--	--	--
08/27/90	35.28	5.60	29.68	--	--	--	--	<50	<0.3	<0.3	<0.3	<0.6	<0.5	--
11/04/90	35.30	4.94	30.36	--	--	--	--	--	--	--	--	--	--	--
06/18/91	35.30	6.84	28.46	--	--	--	--	52	1.1	<0.5	<0.5	1.2	<0.5	--
09/19/91	35.30	5.97	29.33	--	--	--	--	73	1.2	<0.5	<0.5	<0.5	<0.5	--
12/20/91	35.30	5.53	29.77	--	--	--	--	<50	0.7	<0.5	<0.5	<0.5	<0.5	--
03/18/92	35.30	9.55	25.75	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
07/14/92	35.30	7.43	27.87	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
10/08/92	35.30	6.75	28.55	--	--	--	--	<50	<0.5	<0.5	<0.5	0.5	<0.5	--
01/08/93	35.30	9.45	25.85	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
04/14/93	35.30	11.34	23.96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
07/16/93	35.30	9.66	25.64	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
09/21/93	38.37	12.15	26.22	--	--	--	--	<50	0.7	<0.5	<0.5	<0.8	<0.5	--
01/28/94	38.37	12.71	25.66	--	--	--	--	<50	2.0	<0.5	<0.5	1.0	<0.5	--
03/17/94	38.37	13.42	24.95	--	--	--	--	<50	2.8	<0.5	0.6	1.5	<0.5	--
06/16/94	38.37	14.06	24.31	--	--	--	--	<50	1.4	<0.5	<0.5	<0.5	<0.5	--
09/22/94	38.37	13.33	25.04	--	--	--	--	<50	0.6	<0.5	<0.5	<0.5	<0.5	--
12/15/94	38.37	16.15	22.22	--	--	--	--	<50	2.6	1.7	0.82	4.5	<0.5	--
03/30/95	38.37	19.95	18.42	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	--
06/20/95	38.37	18.58	19.79	--	--	--	--	110	2.2	<0.5	<0.5	1.2	<0.5	--
09/20/95	38.37	19.42	18.95	--	--	--	--	560	21	80	23	120	<0.5	--
12/06/95	38.37	14.21	24.16	--	--	--	--	<50	0.73	<0.5	<0.5	0.67	<2.5	--
03/21/96	38.37	20.52	17.85	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
06/21/96	38.37	18.59	19.78	--	--	--	--	57	<0.5	<0.5	<0.5	<0.5	<2.5	--
09/06/96	38.37	16.74	21.63	--	--	--	--	<50	0.90	<0.5	<0.5	<0.5	<2.5	--
12/19/96	38.37	16.07	22.30	--	--	--	--	310	36	33	6.5	28	<2.5	--
03/17/97	38.37	19.42	18.95	--	--	--	--	54	1.1	<0.5	<0.5	0.76	<2.5	--
06/11/97	38.37	17.22	21.15	--	--	--	--	120	1.1	<0.5	<0.5	<0.5	<2.5	--
09/17/97	38.37	15.96	22.41	--	--	--	*	240	19	19	6.6	40	13	--
12/11/97	38.37	16.11	22.26	--	--	--	--	<50	1.8	<0.5	<0.5	0.50	<2.5	--

* See table of Additional Analysis

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
C-4													
01/12/89	33.45	3.96	29.49	--	--	--	--	--	--	--	--	--	--
04/12/89	33.45	6.01	27.44	--	--	--	--	--	--	--	--	--	--
04/28/89	33.45	3.96	29.49	--	--	--	--	--	--	--	--	--	--
08/08/89	33.45	3.90	29.55	--	--	--	--	20,000	6300	550	230	1500	--
12/21/89	33.45	3.43	30.02	--	--	--	--	8000	7500	340	88	1000	--
08/27/90	33.48	4.46	29.02	--	--	--	--	--	--	--	--	--	--
11/04/90	33.48	3.67	29.81	--	--	--	--	26,000	10,000	280	410	1400	--
06/18/91	33.48	6.03	27.45	--	--	--	--	--	--	--	--	--	--
09/19/91	33.48	4.83	28.65	--	--	--	--	34,000	14,000	410	450	1300	--
12/20/91	33.48	4.64	28.84	--	--	--	--	16,000	7400	90	110	460	--
03/18/92	33.48	11.05	24.43	--	--	--	--	24,000	12,000	120	260	740	--
07/14/92	33.48	6.59	26.89	--	--	--	--	48,000	6000	1300	1300	2400	--
10/08/92	33.48	5.69	27.79	--	--	--	--	40,000	14,000	920	550	2400	--
01/08/93	33.48	9.98	23.50	--	--	--	--	29,000	13,000	190	110	1400	--
04/14/93	33.48	12.35	21.13	--	--	--	--	25,000	7000	630	860	1800	--
07/16/93	33.48	9.52	23.96	--	--	--	--	27,000	6300	1000	900	1400	--
09/21/93	36.49	10.98	25.51	--	--	--	--	28,000	7800	1100	830	2100	--
01/28/94	36.49	13.18	23.31	--	--	--	--	30,000	9600	130	390	1300	--
03/17/94	36.49	15.14	21.35	--	--	--	--	18,000	7800	440	260	1200	--
06/16/94	36.49	13.99	22.50	--	--	--	--	32,000	7800	820	820	1800	--
09/22/94	36.49	12.56	23.93	--	--	--	--	25,000	7600	710	600	1800	--
12/15/94	36.49	17.47	19.02	--	--	--	--	25,000	7800	140	600	1100	--
03/30/95	36.49	21.63	14.86	--	--	--	--	38,000	7600	460	1200	2000	--
06/20/95	36.49	19.59	16.90	--	--	--	--	41,000	8700	1600	1800	3000	--
09/20/95	36.49	20.29	16.20	--	--	--	--	29,000	6000	890	960	1800	--
12/06/95	36.49	13.37	23.12	--	--	--	--	12,000	6900	510	290	1300	--
03/21/96	36.49	22.39	14.10	--	--	--	--	13,000	3900	42	30	250	<250
06/21/96	36.49	19.54	16.95	--	--	--	--	39,000	4800	640	1000	1800	<1000
09/06/96	36.49	16.36	20.13	--	--	--	--	26,000	4400	640	960	1800	2000
12/19/96	36.49	19.57	16.92	--	--	--	--	23,000	500	200	230	1000	3100
03/17/97	36.49	19.09	17.40	--	--	--	--	23,000	4900	320	1100	2000	<250
06/11/97	36.49	18.15	18.34	--	--	--	--	30,000	5800	700	1400	2200	1700
09/17/97	36.49	15.03	21.46	--	--	--	*	29,000	4400	520	790	1800	2000
12/11/97	36.49	19.84	16.65	--	--	--	--	17,000	4300	140	940	1100	4600
								12,000	2500	130	300	1000	1400

* See table of Additional Analysis

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	Vertical Measurements are in feet.			Volumetric Measurements are in gallons.			Notes	Analytical results are in parts per billion (ppb)					
	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed		TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE
C-5													
08/27/90	35.50	5.67	29.83	--	--	--	--	--	--	--	--	--	--
11/14/90	35.50	4.94	30.56	--	--	--	--	<50	<0.3	<0.3	<0.3	<0.6	--
06/18/91	35.50	6.98	28.52	--	--	--	--	--	--	--	--	--	--
09/19/91	35.50	5.99	29.51	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/20/91	35.50	5.54	29.96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/18/92	35.50	9.58	25.92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/14/92	35.50	7.50	28.00	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/08/92	35.50	6.85	28.65	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/08/93	35.50	9.48	26.02	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/14/93	35.50	11.46	24.04	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/16/93	35.50	10.29	25.21	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/21/93	38.50	12.14	26.36	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/28/94	38.50	12.60	25.90	--	--	--	--	60	10	8.1	1.9	9.4	--
03/17/94	38.50	14.00	24.50	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/16/94	38.50	14.10	24.40	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/22/94	38.50	13.34	25.16	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/15/94	38.50	15.61	22.89	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/30/95	38.50	19.96	18.54	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/20/95	38.50	18.37	20.13	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/20/95	38.50	14.16	24.34	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/06/95	38.50	14.40	24.10	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/21/96	38.50	20.10	18.40	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/21/96	38.50	18.23	20.27	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/06/96	38.50	16.60	21.90	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/19/96	38.50	17.35	21.15	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	8.7
03/17/97	38.50	18.66	19.84	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/11/97	38.50	16.90	21.60	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/17/97	38.50	10.67	27.83	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/11/97	38.50	17.50	21.00	--	--	--	Sampled annually	--	--	--	--	--	<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
C-6													
08/27/90	32.40	-11.71	44.11	--	--	--	--	7200	2100	6.0	41	300	--
11/14/90	32.40	-11.63	44.03	--	--	--	--	--	--	--	--	--	--
06/18/91	32.40	-11.09	43.49	--	--	--	--	4400	2500	18	160	77	--
09/19/91	32.40	-1.92	34.32	--	--	--	--	3100	1600	8.3	73	8.0	--
12/20/91	32.40	-8.95	41.35	--	--	--	--	4400	1300	3.2	74	10	--
03/18/92	32.40	-8.29	40.69	--	--	--	--	9800	3200	34	250	500	--
07/14/92	32.40	-6.49	38.89	--	--	--	--	6500	2200	100	96	240	--
10/08/92	32.40	-6.27	38.67	--	--	--	--	1800	1000	3.1	15	41	--
01/08/93	32.40	-5.41	37.81	--	--	--	--	5200	1600	6.8	63	120	--
04/14/93	32.40	-2.30	34.70	--	--	--	--	11,000	1800	13	110	200	--
07/16/93	32.40	-1.47	33.87	--	--	--	--	4800	820	10	41	57	--
09/21/93	35.40	1.42	33.98	--	--	--	--	4100	1200	<50	75	130	--
01/28/94	35.40	1.54	33.86	--	--	--	--	3100	930	14	40	34	--
03/17/94	35.40	3.09	32.31	--	--	--	--	5100	950	18	61	83	--
06/16/94	35.40	3.90	31.50	--	--	--	--	3800	970	6.4	52	62	--
09/22/94	35.40	4.18	31.22	--	--	--	--	4100	980	7.8	43	48	--
12/15/94	35.40	4.00	31.40	--	--	--	--	5000	1400	<20	73	61	--
03/30/95	35.40	9.02	26.38	--	--	--	--	5500	1700	<13	120	97	--
06/20/95	35.40	10.39	25.01	--	--	--	--	1700	470	<10	29	16	--
09/20/95	35.40	11.35	24.05	--	--	--	--	3500	770	<5.0	45	17	--
12/06/95	35.40	7.28	28.12	--	--	--	--	3100	710	<10	41	20	<50
03/21/96	35.40	12.28	23.12	--	--	--	--	1400	330	<2.5	15	8.1	19
06/21/96	35.40	11.90	23.50	--	--	--	--	2200	560	<5.0	18	<5.0	77
09/06/96	35.40	10.57	24.83	--	--	--	--	2800	720	<10	13	<10	160
12/19/96	35.40	10.90	24.50	--	--	--	--	830	320	<2.5	<2.5	<2.5	14
03/17/97	35.40	12.81	22.59	--	--	--	--	2200	500	<10	25	<10	<50
06/11/97	35.40	11.64	23.76	--	--	--	--	3000	570	<5.0	29	10	220
09/17/97	35.40	10.66	24.74	--	--	--	*	1400	330	<5.0	<5.0	<5.0	76
12/11/97	35.40	10.75	24.65	--	--	--	--	1600	230	<5.0	7.3	6.4	46

* See table of Additional Analysis

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	Ground	Depth	Total			Notes	TPH- Gasoline	Benzene	Toluene	Ethyl- Benzene	Xylene	MTBE
	Head Elev.	Water Elev.	To Water	SPH Thickness	SPH Removed	SPH Removed							
C-7													
08/27/90	32.17	-12.06	44.23	--	--	--	--						
11/14/90	32.17	-11.94	44.11	--	--	--	--	110	26	0.8	4.0	6.0	--
06/18/91	32.17	-9.88	42.05	--	--	--	--	--	--	--	--	--	--
09/19/91	32.17	-9.55	41.72	--	--	--	--	23,000	5700	420	1000	2800	--
12/20/91	32.17	-9.50	41.67	--	--	--	--	26,000	4600	330	970	2400	--
03/18/92	32.17	-9.03	41.20	--	--	--	--	33,000	5500	270	1000	2100	--
07/14/92	32.17	-7.60	39.77	--	--	--	--	27,000	5800	410	1300	3300	--
10/08/92	32.17	-6.97	39.14	--	--	--	--	46,000	12,000	720	1700	4600	--
01/08/93	32.17	-6.33	38.50	--	--	--	--	22,000	6800	370	1300	3200	--
04/14/93	32.17	-3.76	35.93	--	--	--	--	36,000	7600	540	1700	4200	--
07/16/93	32.17	-3.21	35.38	--	--	--	--	23,000	3100	450	670	1900	--
09/21/93	35.19	-0.27	35.46	--	--	--	--	19,000	3200	330	550	1800	--
01/28/94	35.19	-0.26	35.45	--	--	--	--	17,000	2700	160	410	760	--
03/17/94	35.19	1.95	33.24	--	--	--	--	14,000	1800	210	390	1000	--
06/16/94	35.19	2.12	33.07	--	--	--	--	17,000	1600	210	410	1200	--
09/22/94	35.19	2.45	32.74	--	--	--	--	12,000	1600	180	410	1200	--
12/15/94	35.19	3.27	31.92	--	--	--	--	10,000	1700	110	320	580	--
03/30/95	35.19	7.59	27.60	--	--	--	--	10,000	1200	120	280	710	--
06/20/95	35.19	7.32	27.87	--	--	--	--	4600	460	73	160	460	--
09/20/95	35.19	7.11	28.08	--	--	--	--	26,000	4400	450	900	2400	--
12/06/95	35.19	4.57	30.62	--	--	--	--	9400	610	81	250	800	--
03/21/96	35.19	7.34	27.85	--	--	--	--	1200	110	12	25	71	34
06/21/96	35.19	7.77	27.42	--	--	--	--	17,000	1300	160	410	1300	<100
09/06/96	35.19	6.84	28.35	--	--	--	--	14,000	1300	210	500	1700	590
12/19/96	35.19	6.08	29.11	--	--	--	--	15,000	3400	<50	460	850	<250
03/17/97	35.19	8.05	27.14	--	--	--	--	530	8.6	0.50	0.85	3.4	<2.5
06/11/97	35.19	7.14	28.05	--	--	--	--	4600	310	46	110	310	98
09/17/97	35.19	6.19	29.00	--	--	--	--	420	15	<0.5	3.3	5.1	<2.5
12/11/97	35.19	5.93	29.26	--	--	--	--	1400	120	11	31	84	54
								210	10	<0.5	0.97	1.6	<2.5

* See table of Additional Analysis

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
C-8													
11/14/90	30.68	-12.61	43.29	--	--	--	--	<50	<0.3	<0.3	<0.3	<0.6	--
06/18/91	30.68	-11.94	42.62	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/19/91	30.68	-11.04	41.72	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/20/91	30.68	-10.30	40.98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/18/92	30.68	-9.34	40.02	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/14/92	30.68	-8.34	39.02	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/08/92	30.68	-8.00	38.68	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/08/93	30.68	-7.39	38.07	--	--	--	--	<50	<0.5	<0.5	<0.5	1.1	--
04/14/93	30.68	-5.31	35.99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/16/93	30.68	-4.64	35.32	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/21/93	34.68	-0.62	35.30	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/28/94	34.68	-0.93	35.61	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.8	--
03/17/94	34.68	0.31	34.37	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/16/94	34.68	1.32	33.36	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/22/94	34.68	1.86	32.82	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/15/94	34.68	2.32	32.36	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/30/95	34.68	5.44	29.24	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/20/95	34.68	6.34	28.34	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/20/95	34.68	5.20	29.48	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/06/95	34.68	3.76	30.92	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/21/96	34.68	6.03	28.65	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/21/96	34.68	6.78	27.90	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/06/96	34.68	5.98	28.70	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/19/96	34.68	4.98	29.70	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/17/97	34.68	6.92	27.76	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/11/97	34.68	5.87	28.81	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/17/97	34.68	5.32	29.36	--	--	--	Sampled annually	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/11/97	34.68	4.88	29.80	--	--	--	--	--	--	--	--	--	--
C-9													
08/13/96	--	--	28.27	--	--	--	--	ND	ND	ND	ND	ND	ND
09/06/96	--	--	28.47	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/19/96	30.68	1.39	29.29	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
03/17/97	30.68	3.11	27.57	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/11/97	30.68	2.41	28.27	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/17/97	30.68	2.05	28.63	--	--	--	Sampled annually	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/11/97	30.68	1.25	29.43	--	--	--	--	--	--	--	--	--	--

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
TRIP BLANK													
04/28/89	--	--	--	--	--	--	--	<500	<0.5	<0.5	<0.5	<0.5	--
08/08/89	--	--	--	--	--	--	--	<500	<0.5	<0.5	<0.5	<0.5	--
08/27/90	--	--	--	--	--	--	--	<50	<0.3	<0.3	<0.3	<0.6	--
11/14/90	--	--	--	--	--	--	--	<50	<0.3	<0.3	<0.3	<0.6	--
06/18/91	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.6	--
09/19/91	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/20/91	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/18/92	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/14/92	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
10/08/92	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/08/93	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
04/14/93	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
07/16/93	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/21/93	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
01/28/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.8	--
03/17/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/16/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/22/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/15/94	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/30/95	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/20/95	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
09/20/95	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
12/06/95	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/21/96	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
06/21/96	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/06/96	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/19/96	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--
03/17/97	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/11/97	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/17/97	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
12/11/97	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5

Cumulative Table of Well Data and Analytical Results

ADDITIONAL ANALYSES

Analytical values are in parts per million (ppm) unless otherwise noted

DATE	Notes	Total			
		Alkalinity mg CaCO ₃ /L	Ferrous Iron	Nitrate as Nitrate	Sulfate
C-1					
09/17/97	--	2.0	1.1	<1.0	12
C-2					
09/17/97	--	560	4.7	<1.0	<1.0
C-3					
09/17/97	--	340	0.012	100	33
C-4					
09/17/97	--	540	5.9	<1.0	<1.0
C-6					
09/17/97	--	620	1.1	<1.0	18
C-7					
09/17/97	--	600	4.8	<1.0	18

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

MTBE = Methyl t-Butyl Ether

ND = Not detected at or above the minimum quantitation limit. See laboratory reports for minimum quantitation limits.

Analytical Appendix



Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Client Proj. ID: Chevron 9-0076
Sample Descript: C1
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9712978-01

Sampled: 12/11/97
Received: 12/12/97
Analyzed: 12/23/97
Reported: 12/30/97

QC Batch Number: GC122397BTEX06A
Instrument ID: GCHP6

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas		
Methyl t-Butyl Ether	200	2000
Benzene	10	460
Toluene	2.0	270
Ethyl Benzene	2.0	7.0
Xylenes (Total)	2.0	53
Chromatogram Pattern:	2.0	7.4
		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	122

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

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Penner
Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 9-0076 Sample Descript: C2 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9712978-02	Sampled: 12/11/97 Received: 12/12/97 Analyzed: 12/22/97 Reported: 12/30/97
--	---	---

QC Batch Number: GC122297BTEX18A
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	10000	76000
Methyl t-Butyl Ether	500	3800
Benzene	100	6100
Toluene	100	1300
Ethyl Benzene	100	2200
Xylenes (Total)	100	8000
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	113

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

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Penner
Project Manager





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Client Proj. ID: Chevron 9-0076
Sample Descript: C3
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9712978-03

Sampled: 12/11/97
Received: 12/12/97
Analyzed: 12/24/97
Reported: 12/30/97

QC Batch Number: GC122497BTEX21A
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	1.8
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:		0.50
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	99

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

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Penner
Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 9-0076 Sample Descript: C4 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9712978-04	Sampled: 12/11/97 Received: 12/12/97 Analyzed: 12/22/97 Reported: 12/30/97
--	---	---

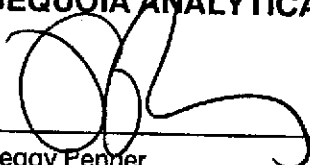
QC Batch Number: GC122297BTEX18A
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	2000	12000
Methyl t-Butyl Ether	100	1400
Benzene	20	2500
Toluene	20	130
Ethyl Benzene	20	300
Xylenes (Total)	20	1000
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	103

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

SEQUOIA ANALYTICAL - ELAP #1210



 Peggy Fenner
 Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112 Attention: Fran Thie	Client Proj. ID: Chevron 9-0076 Sample Descript: C6 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9712978-05	Sampled: 12/11/97 Received: 12/12/97 Analyzed: 12/22/97 Reported: 12/30/97
--	---	---

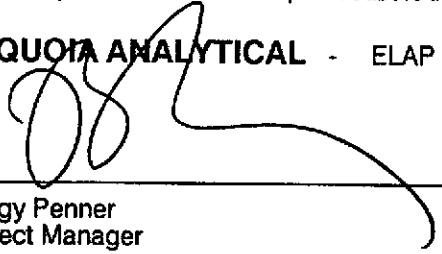
QC Batch Number: GC122297BTEX18A
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	500	1600
Methyl t-Butyl Ether	25	46
Benzene	5.0	230
Toluene	5.0	N.D.
Ethyl Benzene	5.0	7.3
Xylenes (Total)	5.0	6.4
Chromatogram Pattern:		Gas
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	117

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

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Penner
Project Manager





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Client Proj. ID: Chevron 9-0076 Sample Descript: C7 Matrix: LIQUID Analysis Method: 8015Mod/8020 Lab Number: 9712978-06	Sampled: 12/11/97 Received: 12/12/97 Analyzed: 12/23/97 Reported: 12/30/97
--	---	---

QC Batch Number: GC122397BTEX06A
Instrument ID: GCHP6

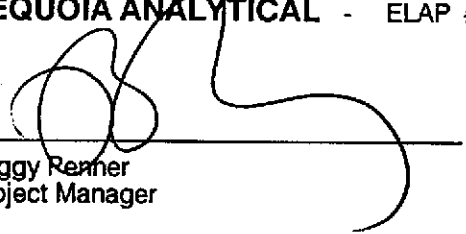
Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas	50	210
Methyl t-Butyl Ether	2.5	N.D.
Benzene	0.50	10
Toluene	0.50	N.D.
Ethyl Benzene	0.50	0.97
Xylenes (Total)	0.50	1.6
Chromatogram Pattern:		Gas
Unidentified HC		< C8

Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	107

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

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Renner
Project Manager





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

Client Proj. ID: Chevron 9-0076
Sample Descript: TB
Matrix: LIQUID
Analysis Method: 8015Mod/8020
Lab Number: 9712978-07

Sampled: 12/11/97
Received: 12/12/97
Analyzed: 12/22/97
Reported: 12/30/97

QC Batch Number: GC122297BTEX18A
Instrument ID: GCHP18

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX and MTBE

Analyte	Detection Limit ug/L	Sample Results ug/L
TPPH as Gas		
Methyl t-Butyl Ether	50	N.D.
Benzene	2.5	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Xylenes (Total)	0.50	N.D.
Chromatogram Pattern:	0.50	N.D.
Surrogates	Control Limits %	% Recovery
Trifluorotoluene	70 130	88

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

SEQUOIA ANALYTICAL - ELAP #1210


Peggy Renner
Project Manager





Sequoia Analytical

680 Chesapeake Drive
404 N. Wiget Lane
819 Striker Avenue, Suite 8

Redwood City, CA 94063
Walnut Creek, CA 94598
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(650) 364-9600
(510) 988-9600
(916) 921-9600

FAX (650) 364-9233
FAX (510) 988-9673
FAX (916) 921-0100

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

Client Project ID: Chevron 9-0076
Matrix: Liquid

Work Order #: 9712978 -01, -06

Reported: Dec 30, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC122397BTEX06A	GC122397BTEX06A	GC122397BTEX06A	GC122397BTEX06A	GC122397BTEX06A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	CD	CD	CD	CD	CD
MS/MSD #:	971286702	971286702	971286702	971286702	971286702
Sample Conc.:	N.D.	N.D.	N.D.	1.0	1
Prepared Date:	12/23/97	12/23/97	12/23/97	12/23/97	12/23/97
Analyzed Date:	12/23/97	12/23/97	12/23/97	12/23/97	12/23/97
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:	10	10	10	31	54
MS % Recovery:	100	100	100	100	90
Dup. Result:	14	14	14	42	72
MSD % Recov.:	140	140	140	137	120
RPD:	33	33	33	30	29
RPD Limit:	0-25	0-25	0-25	0-25	0-25

LCS #:	BLK122397	BLK122397	BLK122397	BLK122397	BLK122397
Prepared Date:	12/23/97	12/23/97	12/23/97	12/23/97	12/23/97
Analyzed Date:	12/23/97	12/23/97	12/23/97	12/23/97	12/23/97
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	11	32	55
LCS % Recov.:	100	100	110	107	92

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

9712978.BLA <1>





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

Client Project ID: Chevron 9-0076
Matrix: Liquid

Work Order #: 9712978-02, -04-05, -07

Reported: Dec 30, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC122297BTEX18A	GC122297BTEX18A	GC122297BTEX18A	GC122297BTEX18A	GC122297BTEX18A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8020
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030

Analyst:	RG	RG	RG	RG	RG
MS/MSD #:	971290602	971290602	971290602	971290602	971290602
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	12/22/97	12/22/97	12/22/97	12/22/97	12/22/97
Analyzed Date:	12/22/97	12/22/97	12/22/97	12/22/97	12/22/97
Instrument I.D.#:	GCH18	GCH18	GCH18	GCH18	GCH18
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	10	11	10	32	78
MS % Recovery:	100	110	100	107	130
Dup. Result:	10	10	10	31	78
MSD % Recov.:	100	100	100	103	130
RPD:	0.0	9.5	0.0	3.2	0.0
RPD Limit:	0-25	0-25	0-25	0-25	0-25

LCS #:	BLK122297	BLK122297	BLK122297	BLK122297	BLK122297
Prepared Date:	12/22/97	12/22/97	12/22/97	12/22/97	12/22/97
Analyzed Date:	12/22/97	12/22/97	12/22/97	12/22/97	12/22/97
Instrument I.D.#:	GCH18	GCH18	GCH18	GCH18	GCH18
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	8.6	8.7	8.7	27	67
LCS % Recov.:	86	87	87	90	112

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

9712978.BLA <2>





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

Client Project ID: Chevron 9-0076
Matrix: Liquid

Work Order #: 9712978-03

Reported: Dec 30, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC122497BTEX21A	GC122497BTEX21A	GC122497BTEX21A	GC122497BTEX21A	GC122497BTEX21A
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8020
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 #:	971268703	971268703	971268703	971268703	971268703
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	12/24/97	12/24/97	12/24/97	12/24/97	12/24/97
Analyzed Date:	12/24/97	12/24/97	12/24/97	12/24/97	12/24/97
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
Result:	9.3	9.8	10	29	50
MS % Recovery:	93	98	100	97	83
Dup. Result:	9.7	10	11	31	52
MSD % Recov.:	97	100	110	103	87
RPD:	4.2	2.0	9.5	6.7	3.9
RPD Limit:	0-25	0-25	0-25	0-25	0-25

LCS #:	BLK122497	BLK122497	BLK122497	BLK122497	BLK122497
Prepared Date:	12/24/97	12/24/97	12/24/97	12/24/97	12/24/97
Analyzed Date:	12/24/97	12/24/97	12/24/97	12/24/97	12/24/97
Instrument I.D.#:	GCHP21	GCHP21	GCHP21	GCHP21	GCHP21
Conc. Spiked:	10 µg/L	10 µg/L	10 µg/L	30 µg/L	60 µg/L
LCS Result:	9.1	9.8	10	30	49
LCS % Recov.:	91	98	100	100	82

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





Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112
Attention: Fran Thie

Client Proj. ID: Chevron 9-0076

Received: 12/12/97

Lab Proj. ID: 9712978

Reported: 12/30/97

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 11 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

TPPH Note: Sample 9712978-01 was diluted 4-fold.
Sample 9712978-02 was diluted 200-fold.
Sample 9712978-04 was diluted 40-fold.
Sample 9712978-05 was diluted 10-fold.

SEQUOIA ANALYTICAL


Peggy Fenner
Project Manager



fax copy of Lab Report and CUC to Chevron Contact: 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: 9-0076
 Facility Address: 4265 Foothill Blvd., Oakland, CA
 Consultant Project Number: _____
 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: 9034805
 Samples Collected by (Name): Cassidy McIntire
 Collection Date: 12-12-91
 Signature: [Signature]

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analytes To Be Performed										Remarks			
								BTX + TPH GAS + MIBK (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8140)	Extractable Organics (8270)	Metals Cd, Cr, Pb, Zn, Ni (ICAP or AA)						
C1	01	3	W		1140	HCL	Y	X													
C2	02	3			1300			X													
C3	03	3			1050			X													
C4	04	3			1240			X													
C6	05	3			1260			X													
C7	06	3			1120			X													
TB	07	2						X													

9712978

DO NOT BILL FOR TB-LB

DEC 12 12 09

Released By (Signature): <u>[Signature]</u>	Organization: <u>BTS</u>	Date/Time: <u>12/12 9:40</u>	Received By (Signature): <u>[Signature]</u>	Organization: <u>Sequoia</u>	Date/Time: <u>12/14/91 9:14</u>
Regulated By (Signature): <u>[Signature]</u>	Organization: <u>Sequoia</u>	Date/Time: <u>12/12</u>	Received By (Signature): _____	Organization: _____	Date/Time: _____
_____	Organization: _____	Date/Time: _____	Received For Laboratory By (Signature): <u>[Signature]</u>	Organization: _____	Date/Time: <u>12/12 1209</u>

Turn Around Time (Circle Choice)

24 Hrs.
 48 Hrs.
 6 Days
10 Days
 As Contracted

**Field
Data
Sheets**

CHEVRON WELL MONITORING DATA SHEET

Project #: 971211-E1	Station #: 9-0076
Sampler: CM	Date: 12-11-97
Well I.D.: C-1	Well Diameter: 2 ③ 4 6 8
Total Well Depth: 39.15	Depth to Water: 13.18
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: Bailer Sampling Method: Bailer
 Disposable Bailer Disposable Bailer ✓
 Middleburg Extraction Port
 Electric Submersible ✓ Other: _____
 Extraction Pump

<u>9.6</u>	x	<u>3</u>	=	<u>28.8</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
11:30		7.1	1200	10	odor + black
11:32		7.0	1000	20	" "
11:34		7.0	1000	29	" "

Did well dewater? Yes No Gallons actually evacuated: 29

Sampling Time: 11:40 Sampling Date: 12-17-97

Sample I.D.: C-1 Laboratory: Sequoid GTEL N. Creek Assoc. Labs

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

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

CHEVRON WELL MONITORING DATA SHEET

Project #: 971211-C1	Station #: G-0076
Sampler: CM	Date: 12-11-97
Well I.D.: C-2	Well Diameter: 2 (3) 4 6 8
Total Well Depth: 36.29	Depth to Water: 17.21
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

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

Other: _____

7.1	x	3	=	21.3	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
12:50		6.9	920	8	odor
12:51		6.8	910	16	"
12:52		6.8	900	22	"

Did well dewater? Yes No (circled) Gallons actually evacuated: 22

Sampling Time: 13:00 Sampling Date: 12-11-97

Sample I.D.: C-2 Laboratory: Sequoia GTEL N. Creek Assoc. Labs

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

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

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>921211-C1</u>	Station #: <u>9-0076</u>
Sampler: <u>EM</u>	Date: <u>12-11-97</u>
Well I.D.: <u>C-3</u>	Well Diameter: 2 <u>(3)</u> 4 6 8 <u> </u>
Total Well Depth: <u>39.35</u>	Depth to Water: <u>22.26</u>
Depth to Free Product: <u> </u>	Thickness of Free Product (feet): <u> </u>
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: Bailer Disposable Bailer Middleburg Electric Submersible <input checked="" type="checkbox"/> Extraction Pump Other: <u> </u>	Sampling Method: Bailer Disposable Bailer <input checked="" type="checkbox"/> Extraction Port Other: <u> </u>
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<u>3.7</u>	x	<u>3</u>	=	<u>11.1</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
10:25		7.6	1200	4	Radio base (Fluke broken)
10:36		7.4	1206	8	- Radio to go ahead -
10:38		7.4	1200	12	

Did well dewater?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: <u>12</u>
Sampling Time: <u>10:50</u>	Sampling Date: <u>12-11-97</u>	
Sample I.D.: <u>C3</u>	Laboratory: <u>Sequoia</u> GTEL N. Creek Assoc. Labs	
Analyzed for: <u>TPH-G BTEX MTBE</u> TPH-D Other:		
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D Other:	
D.O. (if req'd):	Pre-purge: <u> </u> mg/L	Post-purge: <u> </u> mg/L
O.R.P. (if req'd):	Pre-purge: <u> </u> mV	Post-purge: <u> </u> mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 971211-C1	Station #: 9-0076
Sampler: CM	Date: 12-11-97
Well I.D.: C-4	Well Diameter: 2 (3) 4 6 8
Total Well Depth: 39.50	Depth to Water: 16.65
Depth to Free Product: —	Thickness of Free Product (feet):
Referenced to: RVC 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: _____
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8.5	x	3	=	25.5	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
12:25		6.8	1200	9	odor
12:27		6.7	1000	18	"
12:29		6.7	900	26	"

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Gallons actually evacuated: 26
Sampling Time: 12:40	Sampling Date: 12-11-97
Sample I.D.: C-4	Laboratory: Sequoia GTEL N. Creek Assoc. Labs
Analyzed for: TPH-G BTEX MTBE TPH-D Other:	
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D Other:
D.O. (if req'd):	Pre-purge: <input type="text"/> mg/L Post-purge: <input type="text"/> mg/L
O.R.P. (if req'd):	Pre-purge: <input type="text"/> mV Post-purge: <input type="text"/> mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 971212-C1	Station #: 9-0076
Sampler: CM	Date: 12-11-97
Well I.D.: C-6	Well Diameter: (2) 3 4 6 8
Total Well Depth: 54.55	Depth to Water: 24.65
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	radius ² * 0.163

Purge Method: Bailer Sampling Method: Bailer

Disposable Bailer Disposable Bailer ✓

Middleburg ✓ Extraction Port

Electric Submersible

Extraction Pump

Other: _____

4.9	x	3	=	14.7	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
11:55		7.1	1000	5	odor
12:00		7.0	980	10	"
12:05		6.9	960	15	"

Did well dewater? Yes No Gallons actually evacuated: 15

Sampling Time: 12:10 Sampling Date: 12-11-97

Sample I.D.: C-6 Laboratory: (Sequoia) GTEL N. Creek Assoc. Labs

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

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

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

CHEVRON WELL MONITORING DATA SHEET

Project #: 121197-C	Station #: 9-0076
Sampler: CM	Date: 12-11-97
Well I.D.: C-7	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: 5426	Depth to Water: 29.26
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

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

Purge Method: Bailer Disposable Bailer <input checked="" type="checkbox"/> Middleburg Electric Submersible Extraction Pump Other: _____	Sampling Method: Bailer Disposable Bailer <input checked="" type="checkbox"/> Extraction Port Other: _____
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4.0	x	3	=	12.0	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
10:58		6.9	900	4	
11:03		6.9	880	8	
11:08		7.0	880	12	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: 12.0
Sampling Time: 11:20	Sampling Date: 12 11 97
Sample I.D.: H20 C-7	Laboratory: <u>Sequoia</u> GTEL N. Creek Assoc. Labs
Analyzed for: <u>TPH-G BTEX MTBE</u> TPH-D Other:	
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D Other:
D.O. (if req'd):	Pre-purge: mg/L Post-purge: mg/L
O.R.P. (if req'd):	Pre-purge: mV Post-purge: mV