Chevron

Chevron U.S.A. Products Company
6001 Bollinger Canyon Rd. Bldg. L
P. O. Box 6004
San Ramon, CA 94583-0804

Site Assessment and
Remediation Group
Phone (510) 842-9500
Fax (510) 842-8370

Date: December 17, 1999

To: Distribution

Re: **Groundwater Monitoring Report**, 9-1851

The enclosed groundwater monitoring report has been properly reviewed by a Chevron authorized representative. Agency guidelines have been followed. Blaine Tech Services is authorized to distribute the report directly to interested parties.

If you have any questions, please call me at (510) 842-8695.

Sincerely,

Brett L. Hunter

Brett Hunter
Site Assessment and Remediation
Project Manager

BLAINE
TECH SERVICES INC.

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

December 15, 1999

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

3rd Quarter 1999 Monitoring at 9-1851

Third Quarter 1999 Groundwater Monitoring at
Chevron Service Station Number 9-1851
451 Hegenberger Rd.
Oakland, CA

Monitoring Performed on September 29, 1999

Groundwater Sampling Report **990929-I-3**

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,

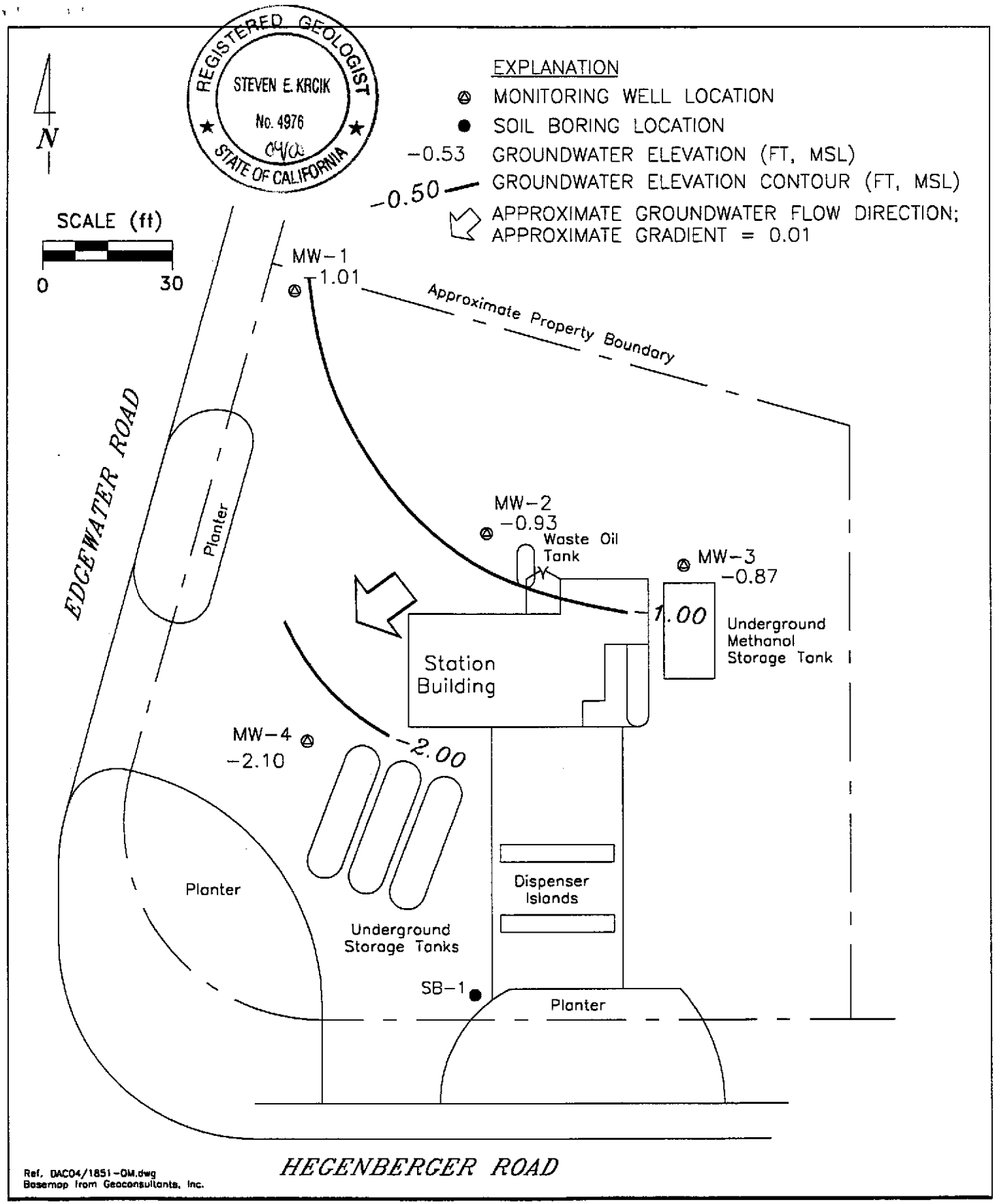
Scott Boor
Project Coordinator

SDB/jh

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

cc: **Barney Chan, Alameda County Health Care Services, Dept. of Environmental Health**
Ben Shimek
Greg Gurss, Gettler-Ryan, Inc.

Professional Engineering Appendix



Ref. DAC04/1851-GM.dwg
Basemap from Geoconsultants, Inc.

PREPARED BY
RRM
engineering contracting firm

Chevron Station 9-1851
451 Hegenberger Road
Oakland, California

GROUNDWATER ELEVATION CONTOUR MAP, SEPTEMBER 29, 1999

FIGURE: 1
PROJECT: DAC04

Table of
Well Data and
Analytical Results

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	TOG	TPH-Diesel	Benzene by (EPA 8240)	Xylene by (EPA 8240)	C-1, 2-DCE	Carbon Disulfide	Vinyl Chloride	MTBE
MW-1																	
10/17/95	2.61	-1.51	4.12	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
03/29/96	2.61	-0.72	3.33	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	9.5
06/26/96	2.61	-1.23	3.84	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	46
09/25/96	2.61	-1.41	4.02	--	<250	<2.5	<2.5	<2.5	<2.5	--	--	--	--	--	--	--	940
12/17/96	2.61	-0.96	3.57	--	<50	0.86	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	260
03/20/97	2.61	-1.54	4.15	--	<50	<2.0	<2.0	<2.0	<2.0	--	--	--	--	--	--	--	76
06/20/97	2.61	-1.72	4.33	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	64
09/09/97	2.61	-1.74	4.35	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	110
12/12/97	2.61	-0.39	3.00	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	27
02/19/98	2.61	0.78	1.83	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	14
06/23/98	2.61	-0.73	3.34	*	210	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	3400
08/31/98	2.61	-0.88	3.49	*	1400	630	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	16,000
12/29/98	2.61	-1.22	3.83	--	<500	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	1090
03/11/99	2.61	-0.43	3.04	*	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	33.9
06/24/99	2.61	-0.77	3.38	*	<500	65.7	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	1160
09/29/99	2.61	-1.01	3.62	--	81.7	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	1130

* See Table of Additional Analyses

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	TOG	TPH-Diesel	Benzene by (EPA 8240)	Xylene by (EPA 8240)	C-1, 2-DCE	Carbon Disulfide	Vinyl Chloride	MTBE
MW-2																	
10/17/95	3.51	-1.82	5.33	*	170	3.5	<0.5	1.0	6.1	<5000	1600**	--	--	11	--	--	--
03/29/96	3.51	-0.44	3.95	--	89	4.7	<0.5	0.64	0.74	--	3000**	11	2.5	17	--	5.4	21
06/26/96	3.51	-1.09	4.60	--	80	8.7	<0.5	1.2	1.3	--	2000**	11	<2.0	15	--	12	31
09/25/96	3.51	--	--	Inaccessible	--	--	--	--	--	--	--	--	--	--	--	--	--
12/17/96	3.51	-0.41	3.92	--	110	<0.5	<0.5	0.75	2.1	--	2400**	10	<2.0	2.3	--	5.5	27
03/20/97	3.51	-1.32	4.83	--	140	8.2	<2.0	<2.0	<2.0	--	3400**	--	--	<2.0	--	3.2	58
06/20/97	3.51	-1.53	5.04	--	62	7.7	<0.5	<0.5	<0.5	--	1600**	7.2	<2.0	4.6	2.2	5.2	38
09/09/97	3.51	-1.47	4.98	--	190	9.4	<0.5	<0.5	0.86	--	82**	11	<2.0	<2.0	<2.0	<2.0	48
12/12/97	3.51	-0.40	3.91	--	180	1.8	<0.5	<0.5	3.2	--	8500**	<2.0	<2.0	<2.0	<2.0	<2.0	34
02/19/98	3.51	0.55	2.96	--	<100	1.8	<1.0	<1.0	<1.0	--	3800**	<3.3	<3.3	<3.3	<3.3	<3.3	230
06/23/98	3.51	-0.54	4.05	***	60	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	55
08/31/98	3.51	-0.80	4.31	--	61	2.2	<0.5	<0.5	1.1	--	--	--	--	--	--	--	53
12/29/98	3.51	-1.12	4.63	--	54	1.32	<0.5	<0.5	0.752	--	--	--	--	--	--	--	38.1
03/11/99	3.51	-0.01	3.52	***	648	2.88	<2.0	<2.0	<2.0	--	--	--	--	--	--	--	73.2
06/24/99	3.51	-0.49	4.00	***	264	0.575	<0.5	1.01	<0.5	--	--	--	--	--	--	--	44.1
09/29/99	3.51	-0.93	4.44	--	54.3	0.662	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	35.7

* Results of EPA 8010 test indicates that the detection of 1,1-Dichloroethane is 1.7 ppb.
** Chromatogram pattern indicates an unidentified hydrocarbon.

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	TOG	TPH-Diesel	Benzene (EPA 8240)	Xylene (EPA 8240)	1, 2-DCE	Carbon Disulfide	Vinyl Chloride	MTBE
MW-3																	
10/17/95	3.08	-1.34	4.42	***	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
03/29/96	3.08	0.08	3.00	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	26
06/26/96	3.08	-0.52	3.60	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	47
09/25/96	3.08	-1.06	4.14	--	<125	<1.2	<1.2	<1.2	<1.2	--	--	--	--	--	--	--	570
12/17/96	3.08	-0.12	3.20	--	<500	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	680
03/20/97	3.08	-0.22	3.30	--	<50	<5.7	<5.7	<5.7	<5.7	--	--	--	--	--	--	--	430
06/20/97	3.08	-0.78	3.86	--	<500	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	1400
09/09/97	3.08	-1.11	4.19	--	76**	22	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	920
12/12/97	3.08	0.12	2.96	--	52	15	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	710
02/19/98	3.08	0.86	2.22	--	<50	6.6	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	380
06/23/98	3.08	-0.17	3.25	*	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	390
08/31/98	3.08	-0.78	3.86	--	<50	19	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	830
12/29/98	3.08	-0.45	3.53	--	<250	<2.5	<2.5	<2.5	<2.5	--	--	--	--	--	--	--	416
03/11/99	3.08	-0.27	3.35	*	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	262
06/24/99	3.08	-0.53	3.61	*	<50	12.8	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	620
09/29/99	3.08	-0.87	3.95	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	2840
MW-4																	
10/17/95	3.48	-1.60	5.08	--	<125	<1.2	<1.2	<1.2	<1.2	--	--	--	--	--	--	--	--
03/29/96	3.48	-1.13	4.61	--	<1000	<10	<10	<10	<10	--	--	--	--	--	--	--	6700
06/26/96	3.48	-0.82	4.30	--	<2000	<20	<20	<20	<20	--	--	--	--	--	--	--	7200
09/25/96	3.48	-1.85	5.33	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<2.5
12/17/96	3.48	0.67	2.81	--	<2000	120	<20	<20	<20	--	--	--	--	--	--	--	11,000
03/20/97	3.48	-1.02	4.50	--	250**	<2.0	<2.0	<2.0	<2.0	--	--	--	--	--	--	--	10,000
03/20/97	3.48	-1.02	4.50	Conf. run	--	--	--	--	--	--	--	--	--	--	--	--	8600
06/20/97	3.48	-2.20	5.68	--	<2500	<25	<25	<25	<25	--	--	--	--	--	--	--	9300
09/09/97	3.48	-2.02	5.50	--	460**	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	6600
12/12/97	3.48	-1.55	5.03	--	430**	120	<2.5	<2.5	<2.5	--	--	--	--	--	--	--	7800
02/19/98	3.48	0.13	3.35	--	510**	130	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	6600
06/23/98	3.48	-1.50	4.98	*	550**	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	6800
08/31/98	3.48	-1.94	5.42	--	<500	450	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	14,000
12/29/98	3.48	-1.58	5.06	--	<5000	<50	<50	<50	<50	--	--	--	--	--	--	--	16,100
03/11/99	3.48	-0.30	3.78	*	979	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	15,100
06/24/99	3.48	-0.83	4.31	*	<2500	715	<25	<25	<25	--	--	--	--	--	--	--	12,400
09/29/99	3.48	-2.10	5.58	--	1380	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	11,700

* See Table of Additional Analyses
** Chromatogram pattern indicates an unidentified hydrocarbon.
*** Results of EPA 8015 test indicates that levels of Methanol and Methyl ethyl ketone are respectively <1000 and <200 ppb.

Cumulative Table of Well Data and Analytical Results

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

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	TOG	TPH-Diesel	Benzene (EPA 8240)	Xylene (EPA 8240)	1, 2-DCE	Carbon Disulfide	Vinyl Chloride	MTBE
TRIP BLANK																	
10/17/95																	
03/29/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
06/26/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<2.5
09/25/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<2.5
12/17/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<2.5
03/20/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<2.5
06/20/97	--	--	--	--	<50	<2.0	<2.0	<2.0	<2.0	--	--	--	--	--	--	--	--
09/09/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<2.5
12/12/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<2.5
02/19/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<2.5
06/23/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<2.5
08/31/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<2.5
12/29/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<2.0
03/11/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<5.0
06/24/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<5.0
09/29/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<2.5

Cumulative Table of Well Data and Analytical Results

ADDITIONAL ANALYSES

Vertical Measurements are in feet. Analytical values are in parts per billion (ppb)

DATE	Notes	Ethanol	t-Butanol	MTBE	DIPE	ETBE	TAME
MW-1							
06/23/98	--	<50,000	<10,000	4500	<200	<200	<200
08/31/98	--	--	--	17,000	--	--	--
03/11/99	--	--	--	54.1	--	--	--
06/24/99	--	<10,000	<2000	1800	<20	<20	258
MW-2							
06/23/98	--	<500	<100	56	<2.0	<2.0	<2.0
03/11/99	--	--	--	101	--	--	--
06/24/99	--	<1000	<200	52.5	<2.0	<2.0	<2.0
MW-3							
06/23/98	--	<5000	<1000	420	<20	<20	26
03/11/99	--	--	--	580	--	--	--
06/24/99	--	<6670	<1330	900	<13.3	<13.3	<13.3
MW-4							
06/23/98	--	<50000	<10000	11,000	<200	<200	860
03/11/99	--	--	--	17,600	--	--	--
06/24/99	--	<125,000	<25,000	17,000	<250	<250	2600
TRIP BLANK							
03/11/99	--	--	--	<2.0	--	--	--

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on March 29, 1996. Earlier field data and analytical results are drawn from the December 29, 1995 Gettler-Ryan, Inc. report.

ABBREVIATIONS:
TPH = Total Petroleum Hydrocarbons
ND = Not detected at or above the minimum quantitation limit. See laboratory reports for minimum quantitation limits.
TOG = Total Oil Grease
MTBE = Methyl t-butyl Ether
DIPE = Di-Isopropl Ether
ETBE = Ethyl t-Butyl Ether
TAME = t-Amyl Methyl Ether
C-1,2 DCE = Cis-1,2-Dichloroethylene
Conf. run = Confirmation run

Analytical Appendix

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308

October 19, 1999

Scott Boor
Blaine Tech Services (Chev)
1680 Rogers Avenue
San Jose, CA 95112

RE: Chevron 9-1851/M909ACA

Dear Scott Boor

Enclosed are the results of analyses for sample(s) received by the laboratory on September 30, 1999. Chromatograms for unidentified hydrocarbons are included in this report. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wendy Bonnes
Project Manager

CA ELAP Certificate Number 1210

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308

Blaine Tech Services (Chev)	Project:	Chevron 9-1851 (451 Hegenberger Rd., Oakland)	Sampled:	9/29/99
1680 Rogers Avenue	Project Number:	990929-I4	Received:	9/30/99
San Jose, CA 95112	Project Manager:	Scott Boor	Reported:	10/19/99

ANALYTICAL REPORT FOR M909ACA

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	M909ACA-01	Water	9/29/99
MW-2	M909ACA-02	Water	9/29/99
MW-3	M909ACA-03	Water	9/29/99
MW-4	M909ACA-04	Water	9/29/99
TB	M909ACA-05	Water	9/29/99

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308

Blaine Tech Services (Chev)	Project:	Chevron 9-1851 (451 Hegenberger Rd., Oakland)	Sampled: 9/29/99
1680 Rogers Avenue	Project Number:	990929-I4	Received: 9/30/99
San Jose, CA 95112	Project Manager:	Scott Boor	Reported: 10/19/99

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Morgan Hill

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1			**M909ACA-01**				**Water**	
Purgeable Hydrocarbons	9100274	10/11/99	10/11/99		50.0	**81.7**	ug/l	1
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	10/13/99		12.5	**1130**	"	D
Surrogate: a,a,a-Trifluorotoluene	"	"	*10/11/99*	*70.0-130*		*101*	*%*	
MW-2			**M909ACA-02**				**Water**	
Purgeable Hydrocarbons	9100274	10/11/99	10/11/99		50.0	**54.3**	ug/l	1
Benzene	"	"	"		0.500	**0.662**	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.50	**35.7**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*104*	*%*	
MW-3			**M909ACA-03**				**Water**	
Purgeable Hydrocarbons	9100274	10/11/99	10/11/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	10/13/99		50.0	**2840**	"	D
Surrogate: a,a,a-Trifluorotoluene	"	"	*10/11/99*	*70.0-130*		*98.6*	*%*	
MW-4			**M909ACA-04**				**Water**	
Purgeable Hydrocarbons	9100345	10/12/99	10/12/99		500	**1380**	ug/l	1,D
Benzene	"	"	"		5.00	ND	"	D
Toluene	"	"	"		5.00	ND	"	D
Ethylbenzene	"	"	"		5.00	ND	"	D
Xylenes (total)	"	"	"		5.00	ND	"	D
Methyl tert-butyl ether	"	"	"		250	**11700**	"	D
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*111*	*%*	
TB			**M909ACA-05**				**Water**	
Purgeable Hydrocarbons	9100274	10/11/99	10/11/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	

Sequoia Analytical

885 Jarvis Drive
Morgan Hill, CA 95037
(408) 776-9600
FAX (408) 782-6308

Blaine Tech Services (Chev)	Project:	Chevron 9-1851 (451 Hegenberger Rd., Oakland)	Sampled:	9/29/99
1680 Rogers Avenue	Project Number:	990929-I4	Received:	9/30/99
San Jose, CA 95112	Project Manager:	Scott Boor	Reported:	10/19/99

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Morgan Hill

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
TB (continued)			**M909ACA-05**				**Water**	
Methyl tert-butyl ether	9100274	10/11/99	10/11/99		2.50	ND	ug/l	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*84.0*	%	

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Blaine Tech Services (Chev)	Project:	Chevron 9-1851 (451 Hegenberger Rd., Oakland)	Sampled: 9/29/99
1680 Rogers Avenue	Project Number:	990929-I4	Received: 9/30/99
San Jose, CA 95112	Project Manager:	Scott Boor	Reported: 10/19/99

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

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9100274	**Date Prepared: 10/11/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9100274-BLK1**									
Purgeable Hydrocarbons	10/11/99			**ND**	ug/l	**50.0**				
Benzene	"			**ND**	"	**0.500**				
Toluene	"			**ND**	"	**0.500**				
Ethylbenzene	"			**ND**	"	**0.500**				
Xylenes (total)	"			**ND**	"	**0.500**				
Methyl tert-butyl ether	"			**ND**	"	**2.50**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.6*	"	*70.0-130*	*106*			
LCS	**9100274-BS1**									
Benzene	10/11/99	10.0		9.22	ug/l	70.0-130	92.2			
Toluene	"	10.0		9.25	"	70.0-130	92.5			
Ethylbenzene	"	10.0		9.45	"	70.0-130	94.5			
Xylenes (total)	"	30.0		27.6	"	70.0-130	92.0			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.2*	"	*70.0-130*	*102*			
Matrix Spike	**9100274-MS1**	**M909ACA-02**								
Benzene	10/11/99	10.0	0.662	9.70	ug/l	60.0-140	**90.4**			
Toluene	"	10.0	ND	8.90	"	60.0-140	**89.0**			
Ethylbenzene	"	10.0	ND	9.09	"	60.0-140	**90.9**			
Xylenes (total)	"	30.0	ND	27.4	"	60.0-140	**91.3**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.74*	"	*70.0-130*	*97.4*			
Matrix Spike Dup	**9100274-MSD1**	**M909ACA-02**								
Benzene	10/11/99	10.0	0.662	10.9	ug/l	60.0-140	**102**	25.0	**12.1**	
Toluene	"	10.0	ND	9.23	"	60.0-140	**92.3**	25.0	**3.64**	
Ethylbenzene	"	10.0	ND	9.38	"	60.0-140	**93.8**	25.0	**3.14**	
Xylenes (total)	"	30.0	ND	27.6	"	60.0-140	**92.0**	25.0	**0.764**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.28*	"	*70.0-130*	*92.8*			
Batch: 9100345	**Date Prepared: 10/12/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9100345-BLK1**									
Purgeable Hydrocarbons	10/12/99			**ND**	ug/l	**50.0**				
Benzene	"			**ND**	"	**0.500**				
Toluene	"			**ND**	"	**0.500**				
Ethylbenzene	"			**ND**	"	**0.500**				
Xylenes (total)	"			**ND**	"	**0.500**				
Methyl tert-butyl ether	"			**ND**	"	**2.50**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.8*	"	*70.0-130*	*108*			

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Blaine Tech Services (Chev)	Project:	Chevron 9-1851 (451 Hegenberger Rd., Oakland)	Sampled:	9/29/99
1680 Rogers Avenue	Project Number:	990929-I4	Received:	9/30/99
San Jose, CA 95112	Project Manager:	Scott Boor	Reported:	10/19/99

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

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS	**9100345-BS1**									
Purgeable Hydrocarbons	10/12/99	250		243	ug/l	70.0-130	97.2			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*15.1*	"	*70.0-130*	*151*			*2*
Matrix Spike	**9100345-MS1**		**M910040-06**							
Purgeable Hydrocarbons	10/12/99	250	ND	234	ug/l	60.0-140	**93.6**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*12.8*	"	*70.0-130*	*128*			
Matrix Spike Dup	**9100345-MSD1**		**M910040-06**							
Purgeable Hydrocarbons	10/12/99	250	ND	261	ug/l	60.0-140	**104**	25.0	**10.5**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*12.6*	"	*70.0-130*	*126*			

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1680 Rogers Avenue	Project Number:	990929-I4	Received: 9/30/99
San Jose, CA 95112	Project Manager:	Scott Boor	Reported: 10/19/99

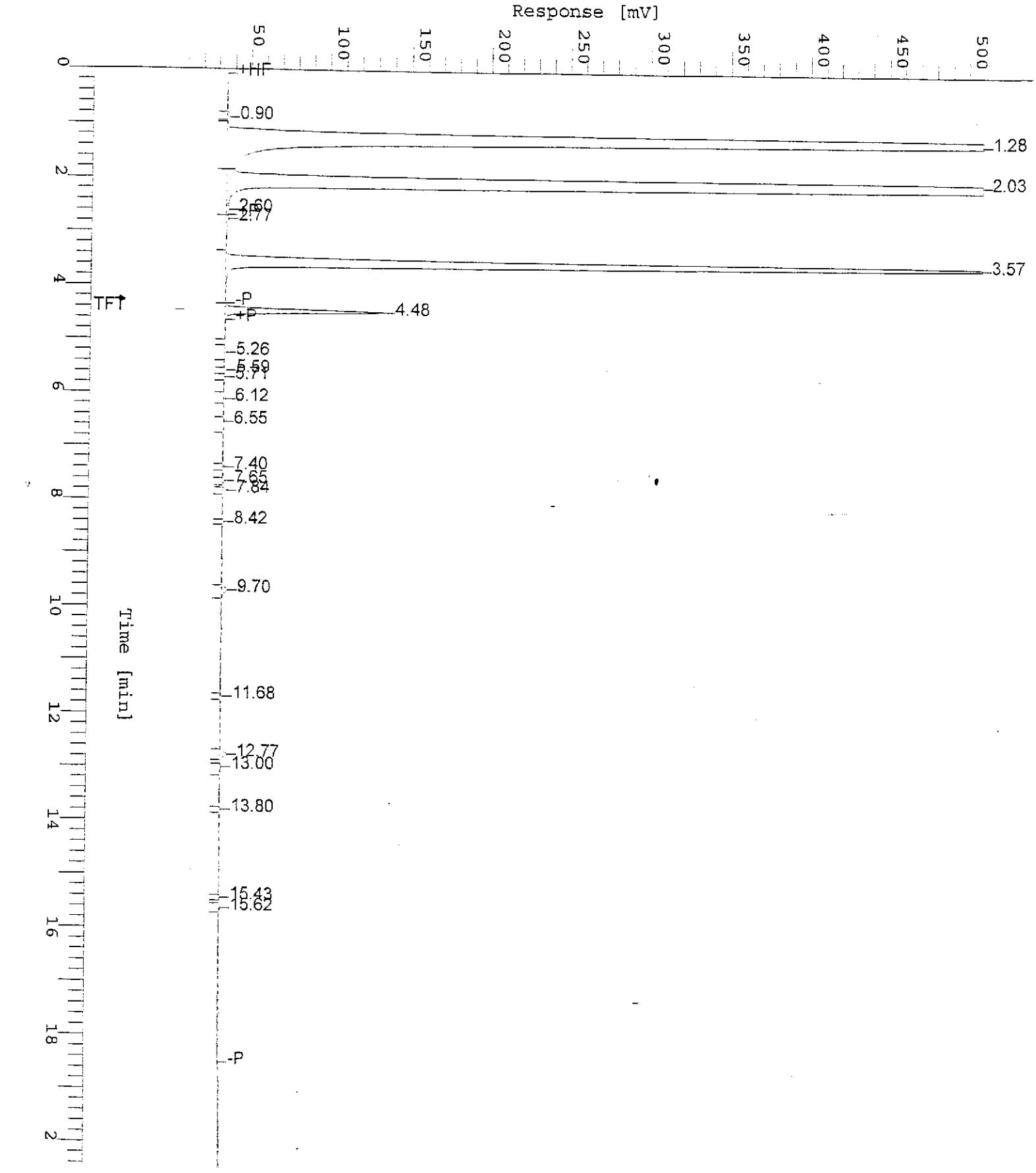
Notes and Definitions

#	Note
D	Data reported from a dilution.
1	Chromatogram Pattern: Unidentified Hydrocarbons C6-C12
2	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference

Chromatogram

Name : M909ACA-1
FileName : S:\GHP_02\1017\011A006.raw
Method : TPH
Start Time : 0.00 min End Time : 20.50 min
Scale Factor: -1.0 Plot Offset: 9 mV

Sample #: MW-1
Date : 10/11/99 11:19
Time of Injection: 10/11/99 10:58
Low Point : 9.02 mV High Point : 509.02 mV
Plot Scale: 500.0 mV

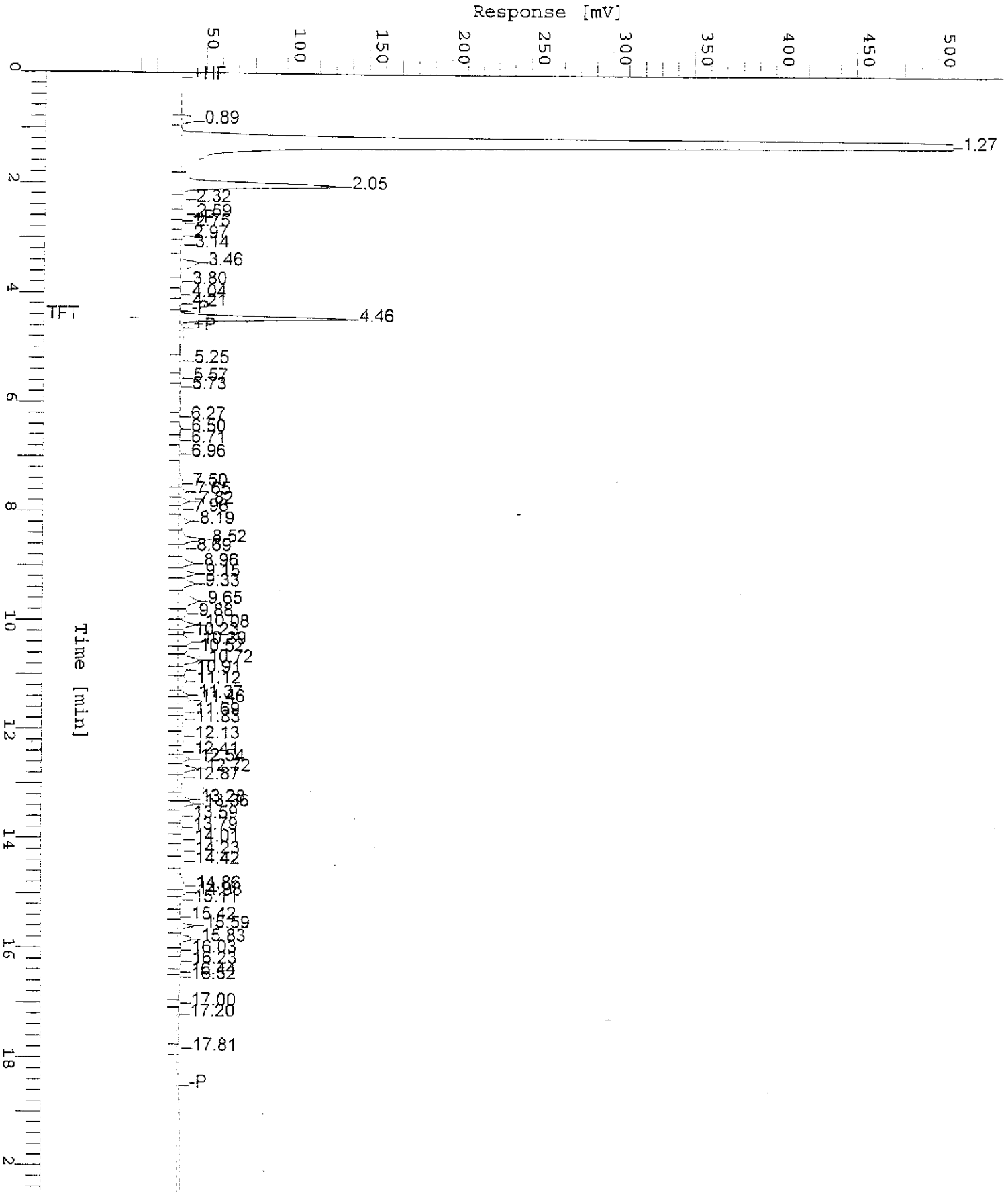


Chromatogram

[mV]
300

: M909ACA-2
: S:\GHP_02\1017\011A007.raw
: TPH
Time : 0.00 min End Time : 20.50 min
le Factor: -1.0 Plot Offset: 10 mV

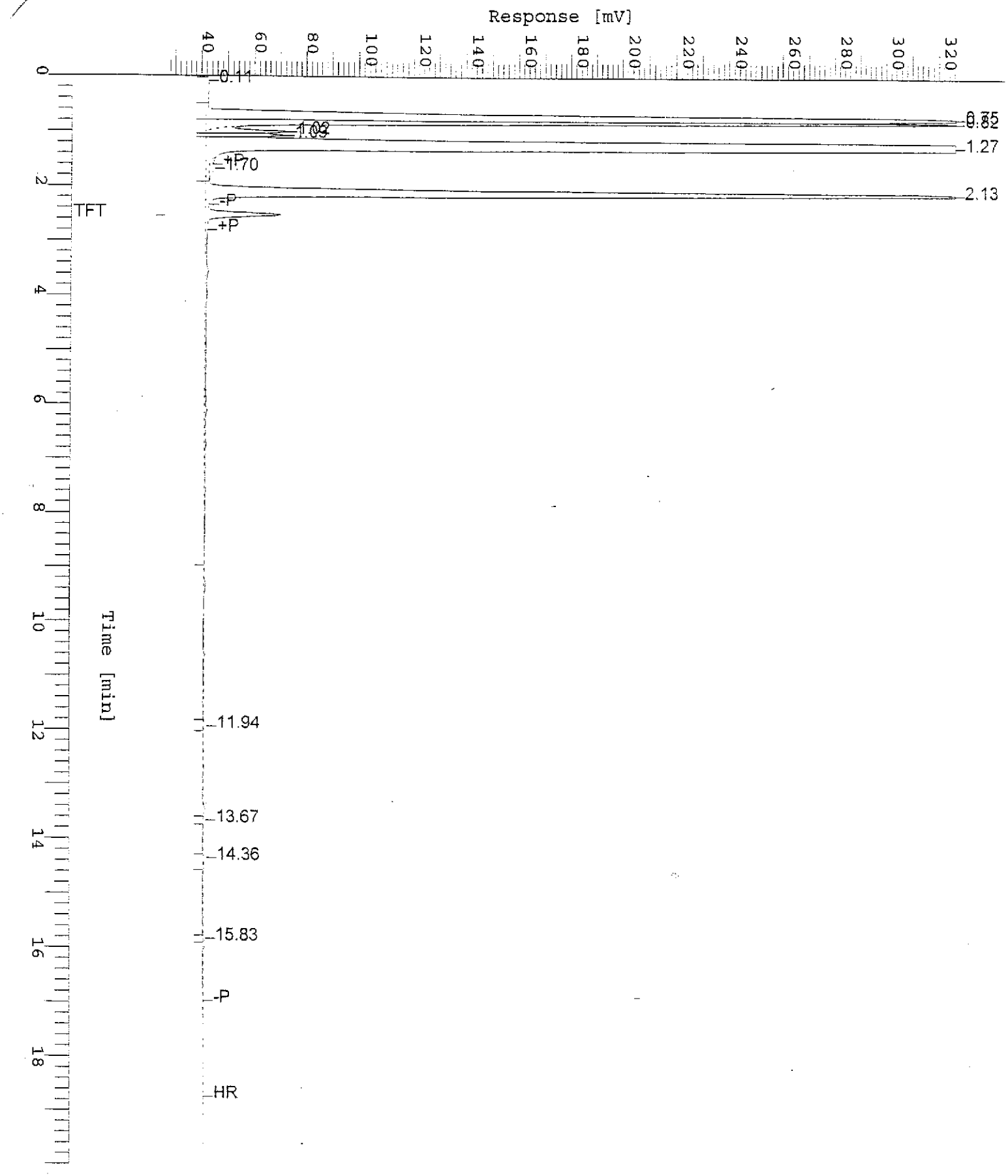
Sample #: MW-2
Date : 10/11/99 11:44
Time of Injection: 10/11/99 11:23
Low Point : 9.74 mV High Point : 509.74 mV
Plot Scale: 500.0 mV



Chromatogram

4909ACA-4RE
: S:\GHP_03\1017\012A022.raw
: TPH
me : 0.00 min End Time : 20.00 min
actor: -1.0 Plot Offset: 26 mV

Sample #: MW-4
Date : 10/12/99 20:32
Time of Injection: 10/12/99 20:11
Low Point : 26.40 mV High Point : 326.40 mV
Plot Scale: 300.0 mV



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

Chain-of-Custody-Record

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

Chevron Facility Number 9-1851
Facility Address 451 Hegenberger Rd., Oakland
Consultant Project Number 990929-IU
Consultant Name BLAINE TECH SERVICE, INC.
Address 1680 ROGERS AVE., SAN JOSE
Project Contact (Name) CHRISTINE LILLIE
(Phone) 408-573-0555 (Fax Number) 408-573-7771

Chevron Contact (Name) PHIL BRIGGS
(Phone) (925) 842-9136
Laboratory Name SEQUOIA
Laboratory Service Order 9144488 M909ACA
Laboratory Service Code ZZ02800
Samples Collected by (Name) Patrick Flaherty
Signature Patrick Flaherty

State Method: ☐ CA ☐ OR ☐ WA ☐ NW Series ☐ CO ☐ UT

Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Sample Preservation	Date/Time	BTEX/MTBE+TPH GAS (8020 + 8015)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oxygenates (8250)	Purgeable Halocarbons (8010)	Purgeable Organics (8260)	Extractable Organics (8270)	Oil and Grease (5520)	Metals (ICAP or AA) Ca,Cr,Pb,Zn,Ni	BTEX (8020)	BTEX/MTBE/Napn. (8020)	TPH - HCID	TPH-D Extended					Remarks / Lab Sample No.
MW-1	3	W	HCL	9-29/1453	X																	01
MW-2				1440	X																	02
MW-3				1425	X																	03
MW-4				1505	X																	04
TB	2			—	X																	05

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N
Patrick Flaherty	BTS	9/30 1:28		Sequoia	9/30/94 908	
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N
		9/30/94			9/30/94 1218	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	Iced Y/N

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

Field
Data
Sheets

WELL GAUGING DATA

Project # 990929-I3 Date 9-29-99 Client _____

CHEVRON #9-1851

Site _____ 451 Hegenberger Rd.
Oakland, CA

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	
mw-1	2					3.62	14.70	TOC	3
mw-2	2					4.44	15.12		2
mw-3	2					3.95	14.72		1
mw-4	2					5.58	14.99	↓	4

CHEVRON WELL MONITORING DATA SHEET

Project #: 990929-J3	Station #: 9-1851
Sampler: P.F.	Date: 9-28-99
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 14.70	Depth to Water: 3.62
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: ___

1.7 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 5.1 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1445	79.3	8.0	3580	1.75	
1447	79.0	7.8	3420	3.5	
1449	78.6	7.8	3220	5.25	

Did well dewater? Yes (No) Gallons actually evacuated: 5.25

Sampling Time: 1453 Sampling Date: 9-29-99

Sample I.D.: MW-1 Laboratory: (Sequoia) CORE N. Creek Assoc. Labs

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

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

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

CHEVRON WELL MONITORING DATA SHEET

Project #: 990929-I3	Station #: 9-1851
Sampler: P.F.	Date: 9-28-99
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 15.12	Depth to Water: 6.44
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: ____

1.6 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 4.8 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1432	78.2	8.0	6530	1.75	sheen
1434	77.9	7.9	6700	3.5	odor
1436	77.8	7.8	6780	5.0	

Did well dewater? Yes (No) Gallons actually evacuated: 5.0

Sampling Time: 1440 Sampling Date: 9-29-99

Sample I.D.: MW-2 Laboratory: (Sequoia) CORE N. Creek Assoc. Labs

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

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

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

CHEVRON WELL MONITORING DATA SHEET

Project #: 990929-J3	Station #: 9-1851
Sampler: P.F.	Date: 9-28-99
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 14.72	Depth to Water: 3.95
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: ___

1.7 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 5.1 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1417	81.0	7.9	4670	1.75	
1419	80.7	7.8	4460	3.5	
1421				5.25	

Did well dewater? Yes (No) Gallons actually evacuated: 5.25

Sampling Time: 1425 Sampling Date: 9-29-99

Sample I.D.: MW-3 Laboratory: (Sequoia) CORE N. Creek Assoc. Labs

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

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

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

CHEVRON WELL MONITORING DATA SHEET

Project #: 990929-J3	Station #: 9-1851
Sampler: P.F.	Date: 9-28-99
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 14.99	Depth to Water: 5.58
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: ___

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

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1457	78.0	8.0	3000	1.5	
1459	77.6	7.9	3260	3	
1501	77.4	7.9	3310	4.5	

Did well dewater? Yes (No)		Gallons actually evacuated: 4.5	
Sampling Time: 1505		Sampling Date: 9-29-99	
Sample I.D.: MW-4		Laboratory: (Sequoia) CORE N. Creek Assoc. Labs	
Analyzed for: ~~TPH-G~~ (BTEX) (MTBE) TPH-D Other:			
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D Other:		
D.O. (if req'd):	Pre-purge:	mg/L	Post-purge: mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge: mV