DH-5MD
#971

Chevron

ENVIRONMENTAL
PROTECTION

99 DEC 13 PM 4:55

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) 842-9370

Date: December 2, 1999

To: Distribution

Re: Groundwater Monitoring Report, 9-9708

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,

Brent L. Hunter

Brent 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 1, 1999

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

3rd Quarter 1999 Monitoring at 9-9708

Third Quarter 1999 Groundwater Monitoring at
Chevron Service Station Number 9-9708
5910 MacArthur Blvd.
Oakland, CA

Monitoring Performed on September 29, 1999

Groundwater Sampling Report **990929-I-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

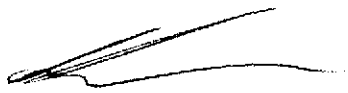
map which is located in the **Professional Engineering Appendix**.

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,



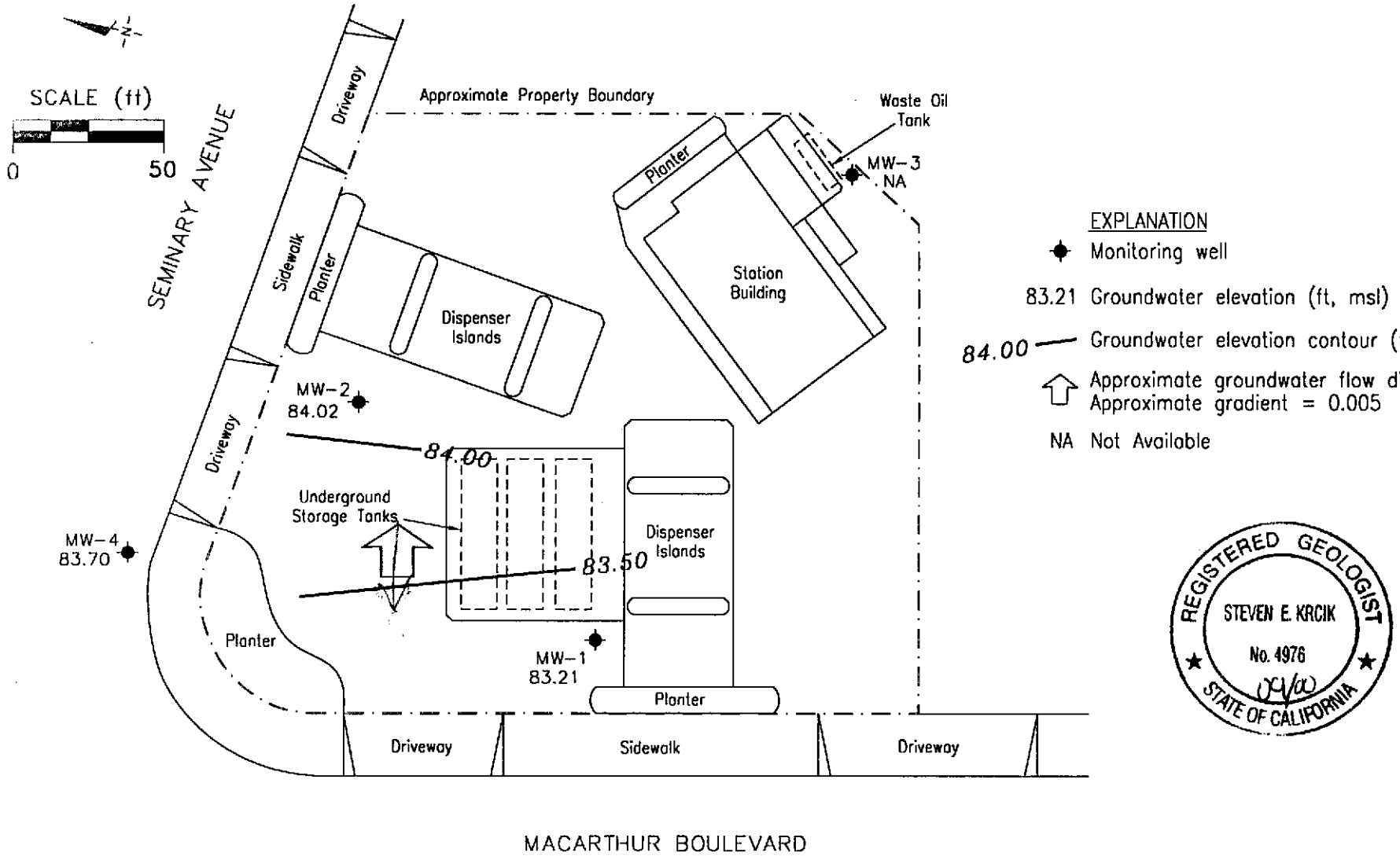
Scott Boor
Project Coordinator

SDB/jh

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

cc: **Thomas Peacock, Alameda County Health Care Services**
Nisson Saidion

Professional Engineering Appendix



Ref. 9708-gm.dwg
Basemap from Gettler-Ryan, Inc.

PREPARED BY
RRM
engineering contracting firm

Chevron Station 9-9708
5910 MacArthur Boulevard
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	MTBE	TPH-Diesel	1,2-DCB	1,2-DCA	HVOCs
MW-1														
05/29/97	96.61	84.41	12.20	--	--	--	--	--	--	--	--	--	--	--
06/04/97	96.61	84.40	12.21	--	380	58	1.2	5.4	40	85	--	--	--	--
09/16/97	96.61	83.84	12.77	--	420	120	<0.5	19	2.7	28	--	--	--	--
12/17/97	96.61	85.43	11.18	--	210*	43	0.61	11	0.61	69	--	--	--	--
03/18/98	96.61	84.59	12.02	--	210*	47	<0.5	8.2	<0.5	92	--	--	--	--
06/28/98	96.61	83.99	12.62	--	<50	<0.5	<0.5	<0.5	<0.5	66	--	--	--	--
09/07/98	96.61	82.32	14.29	--	<50	6.7	<0.5	<0.5	<0.5	92	--	--	--	--
12/29/98	96.61	83.18	13.43	--	<100	<1.0	<1.0	2.24	1.14	278	--	--	--	--
03/11/99	96.61	83.80	12.81	--	110	<1.0	<1.0	7.95	<1.0	418	--	--	--	--
05/04/99	96.61	83.85	12.76	--	--	--	--	--	--	--	--	--	--	--
06/29/99	96.61	84.06	12.55	--	352	34.6	<2.5	51	<2.5	780	--	--	--	--
09/29/99	96.61	83.21	13.40	--	647	167	<2.5	58.6	14.8	1570	--	--	--	--
MW-2														
05/29/97	96.91	83.85	13.06	--	--	--	--	--	--	--	--	--	--	--
06/04/97	96.91	83.96	12.95	--	1600	120	5.9	32	15	2100	--	--	--	--
09/16/97	96.91	83.92	12.99	--	1100	23	3.2	7.0	2.5	1200	--	--	--	--
12/17/97	96.91	84.73	12.18	--	7100*	650	69	610	69	4700	--	--	--	--
12/17/97	96.91	84.73	12.18	Confirmation run	--	--	--	--	--	2600	--	--	--	--
03/18/98	96.91	84.21	12.70	--	5900*	250	<50	98	<50	12,000	--	--	--	--
03/18/98	96.91	84.21	12.70	Confirmation run	--	--	--	--	--	7100	--	--	--	--
06/28/98	96.91	83.98	12.93	--	4300	400	<10	<10	<10	3000	--	--	--	--
06/28/98	96.91	83.98	12.93	Confirmation run	--	--	--	--	--	4000	--	--	--	--
09/07/98	96.91	83.94	12.97	--	3700	220	5.1	38	7.6	1300	--	--	--	--
09/07/98	96.91	83.94	12.97	Confirmation run	--	--	--	--	--	1400	--	--	--	--
12/29/98	96.91	83.99	12.92	--	6500	573	26.8	131	33.9	2660	--	--	--	--
03/11/99	96.91	84.04	12.87	--	4970	651	30.8	60.3	<5.0	2600	--	--	--	--
05/04/99	96.91	84.05	12.86	--	--	--	--	--	--	--	--	--	--	--
06/29/99	96.91	83.98	12.93	--	2030	238	11.6	8.98	<5.0	540	--	--	--	--
09/29/99	96.91	84.02	12.89	--	2000	320	10.4	16.5	20.3	642	--	--	--	--

* 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	MTBE	TPH-Diesel	1,2-DCB	1,2-DCA	HVOCs
MW-3														
05/29/97	97.86	86.41	11.45	--	--	--	--	--	--	--	--	--	--	--
06/04/97	97.86	86.58	11.28	**	<50	<0.5	<0.5	<0.5	<0.5	<5.0	1200	ND	1.0	--
09/16/97	97.86	85.67	12.19	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	2700*	--	--	--
12/17/97	97.86	87.06	10.80	--	<50	0.9	0.53	<0.5	<0.5	<2.5	1200*	--	--	--
03/18/98	97.86	86.98	10.88	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	820*	--	--	--
06/28/98	97.86	86.26	11.60	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	1100*	0.99	ND	<0.5-<5.0
09/07/98	97.86	85.64	12.22	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	1100*	0.79	0.54	--
12/29/98	97.86	86.06	11.80	--	185	<0.5	<0.5	<0.5	0.669	<2.0	1760*	1.04	0.578	<0.5-<5.0
03/11/99	97.86	86.83	11.03	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	1440	<1.0	<1.0	<1.0-<20
05/04/99	97.86	86.43	11.43	--	--	--	--	--	--	--	--	--	--	--
06/29/99	97.86	85.71	12.15	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	690*	0.754	<0.5	<0.5-<5.0
09/29/99	97.86	--	--	Inaccessible	--	--	--	--	--	--	--	--	--	--
MW-4														
05/04/99	96.25	83.66	12.59	--	140	<0.5	0.62	0.67	2.6	<2.5	--	--	--	--
06/29/99	96.25	83.64	12.61	--	183	<0.5	<0.5	1.1	<0.5	<5.0	--	--	--	--
09/29/99	96.25	83.70	12.55	--	64.3	<0.5	<0.5	<0.5	1.18	<2.5	--	--	--	--

* Chromatogram pattern indicates an unidentified hydrocarbon.

** Sample also analyzed for the following: Total Oil & Grease by EPA Method 5520F was ND; Semivolatile Organics by EPA Method 8270B were ND; Volatile Organics by EPA Method 8010B were ND.

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	MTBE	TPH-Diesel	1,2-DCB	1,2-DCA	HVOCs
TRIP BLANK														
06/04/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
09/16/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--
12/17/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
03/18/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
06/28/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
09/07/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
09/07/98	--	--	--	--	<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	<2.0	--	--	--	--
05/04/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	--
06/29/99	--	--	--	--	<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	--	--	--	--

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on Decmber 29, 1998.
Earlier field data and analytical results were provided by Gettler-Ryan.
MW-1 through MW-3 were surveyed on June 18, 1997, by Virgil Chavez Land Surveying (PLS #6323). Benchmark Elevation =95.88' (msl).
Well MW-4 was surveyed on May 4, 1999 by Virgil Chavez Land Surveying.
Field Data and Analytical Results for the May 4, 1999 event were provided by Gettler-Ryan, Inc.

ABBREVIATIONS:
TPH = Total Petroleum Hydrocarbons
MTBE = Methyl tertiary-butyl ether
HVOCs= Halogenated Volatile Organic Compounds
1,2-DCB = 1,2-Dichlorobenzene
1,2-DCA = 1,2-Dichloroethane

Analytical Appendix

Sequoia Analytical

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

October 20, 1999

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

RE: Chevron 9-9708/M909ABY

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 9-9708 (5910 MacArthur Blvd., Oakland)	Sampled: 9/29/99
1680 Rogers Avenue	Project Number:	990929-I2	Received: 9/30/99
San Jose, CA 95112	Project Manager:	Scott Boor	Reported: 10/20/99

ANALYTICAL REPORT FOR M909ABY

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	M909ABY-01	Water	9/29/99
MW-2	M909ABY-02	Water	9/29/99
MW-4	M909ABY-03	Water	9/29/99
TB	M909ABY-04	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 9-9708 (5910 MacArthur Blvd., Oakland)	Sampled: 9/29/99
1680 Rogers Avenue	Project Number:	990929-I2	Received: 9/30/99
San Jose, CA 95112	Project Manager:	Scott Boor	Reported: 10/20/99

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			**M909ABY-01**				**Water**	
Purgeable Hydrocarbons	9100387	10/13/99	10/13/99		250	**647**	ug/l	1,D
Benzene	"	"	"		2.50	**167**	"	D
Toluene	"	"	"		2.50	ND	"	D
Ethylbenzene	"	"	"		2.50	**58.6**	"	D
Xylenes (total)	"	"	"		2.50	**14.8**	"	D
Methyl tert-butyl ether	"	"	"		12.5	**1570**	"	D
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*113*	%	
MW-2			**M909ABY-02**				**Water**	
Purgeable Hydrocarbons	9100489	10/15/99	10/15/99		1000	**2000**	ug/l	2,D
Benzene	"	"	"		10.0	**320**	"	D
Toluene	"	"	"		10.0	**10.4**	"	D
Ethylbenzene	"	"	"		10.0	**16.5**	"	D
Xylenes (total)	"	"	"		10.0	**20.3**	"	D
Methyl tert-butyl ether	"	"	"		50.0	**642**	"	D
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*80.6*	%	
MW-4			**M909ABY-03**				**Water**	
Purgeable Hydrocarbons	9100489	10/15/99	10/15/99		50.0	**64.3**	ug/l	3
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	**1.18**	"	
Methyl tert-butyl ether	"	"	"		2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*95.9*	%	
TB			**M909ABY-04**				**Water**	
Purgeable Hydrocarbons	9100489	10/15/99	10/15/99		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	"	"	"		2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*95.2*	%	

Sequoia Analytical

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

Blaine Tech Services (Chev)	Project:	Chevron 9-9708 (5910 MacArthur Blvd., Oakland)	Sampled: 9/29/99
1680 Rogers Avenue	Project Number:	990929-I2	Received: 9/30/99
San Jose, CA 95112	Project Manager:	Scott Boor	Reported: 10/20/99

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: 9100387	**Date Prepared: 10/13/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9100387-BLK1**									
Purgeable Hydrocarbons	10/13/99			**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*		*10.7*	"	*70.0-130*	*107*			
LCS	**9100387-BS1**									
Benzene	10/13/99	10.0		12.0	ug/l	70.0-130	120			
Toluene	"	10.0		11.6	"	70.0-130	116			
Ethylbenzene	"	10.0		11.7	"	70.0-130	117			
Xylenes (total)	"	30.0		34.8	"	70.0-130	116			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*11.6*	"	*70.0-130*	*116*			
Batch: 9100489	**Date Prepared: 10/15/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9100489-BLK1**									
Purgeable Hydrocarbons	10/15/99			**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*		*8.66*	"	*70.0-130*	*86.6*			
LCS	**9100489-BS1**									
Benzene	10/15/99	10.0		10.1	ug/l	70.0-130	101			
Toluene	"	10.0		10.0	"	70.0-130	100			
Ethylbenzene	"	10.0		10.7	"	70.0-130	107			
Xylenes (total)	"	30.0		32.6	"	70.0-130	109			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.82*	"	*70.0-130*	*98.2*			
LCS Dup	**9100489-BSD1**									
Benzene	10/15/99	10.0		9.96	ug/l	70.0-130	99.6	25.0	1.40	
Toluene	"	10.0		9.95	"	70.0-130	99.5	25.0	0.501	
Ethylbenzene	"	10.0		10.9	"	70.0-130	109	25.0	1.85	
Xylenes (total)	"	30.0		33.2	"	70.0-130	111	25.0	1.82	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.59*	"	*70.0-130*	*95.9*			

Sequoia Analytical

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

Blaine Tech Services (Chev)	Project:	Chevron 9-9708 (5910 MacArthur Blvd., Oakland)	Sampled: 9/29/99
1680 Rogers Avenue	Project Number:	990929-I2	Received: 9/30/99
San Jose, CA 95112	Project Manager:	Scott Boor	Reported: 10/20/99

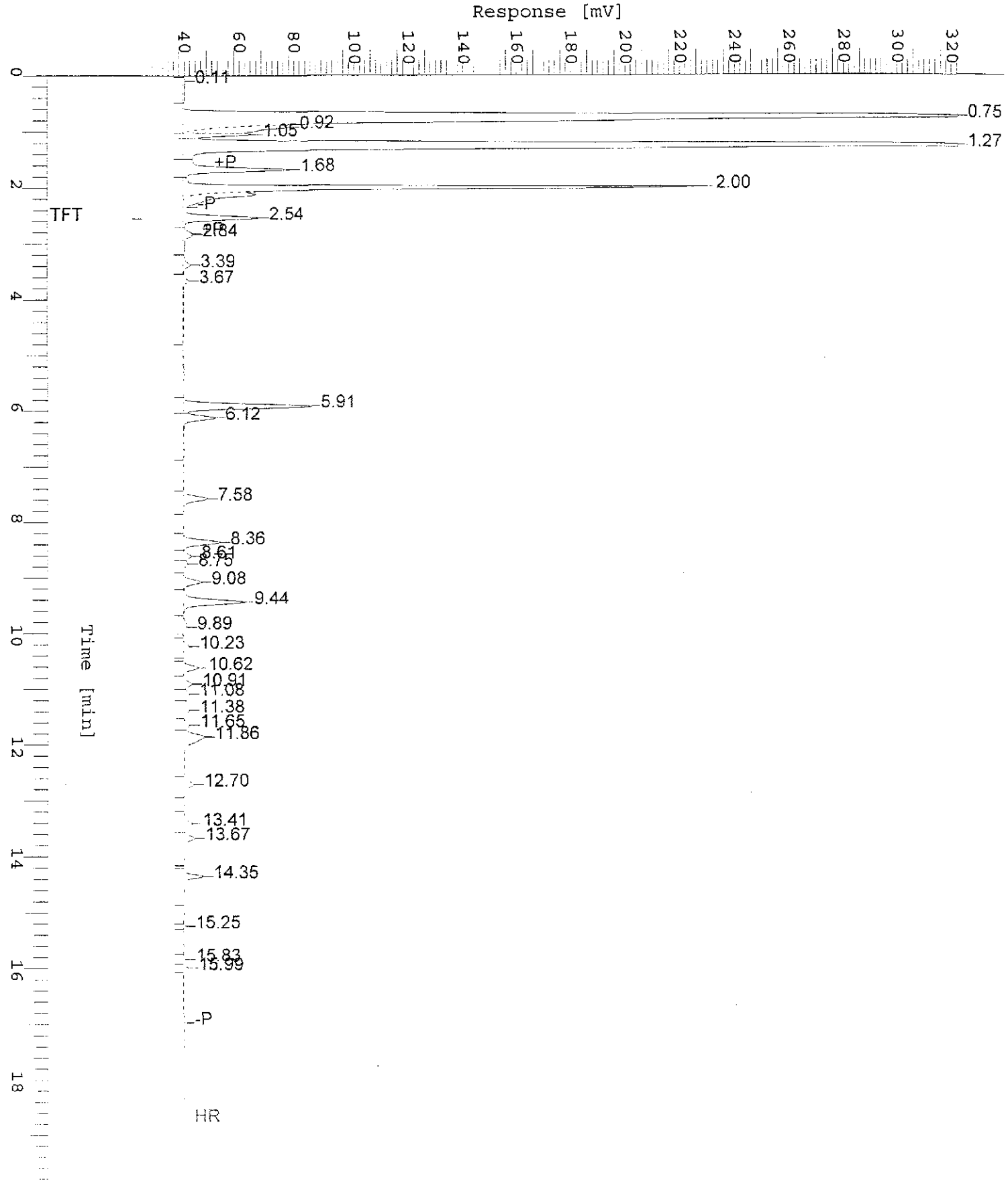
Notes and Definitions

#	Note
D	Data reported from a dilution.
1	Chromatogram Pattern: Unidentified Hydrocarbons C6-C12
2	Chromatogram Pattern: Gasoline C6-C12
3	Chromatogram Pattern: Weathered Gasoline C6-C12
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference

Chromatogram

Sample Name : M909ABY-1RE
FileName : S:\GHP_03\1017\013A019.raw
Method : TPH
Start Time : 0.00 min End Time : 20.00 min
Scale Factor: -1.0 Plot Offset: 26 mV

Sample #: MW1
Date : 10/21/99 16:44
Time of Injection: 10/13/99 19:24
Low Point : 26.36 mV High Point : 326.36 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 9-9708
Facility Address 5910 Macarthur Blvd., Oakland
Consultant Project Number 990929-I2
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 M909ABX
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 W = Water A = Air C = Charcoal	Sample Preservation	Date/Time	BTEX/MTBE+TPH GAS (8020 + 8015)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oxygenates (8260)	Purgeable Halocarbons (8010)	Purgeable Organics (8260)	Extractable Organics (8270)	Oil and Grease (5520)	Metals (ICAP or AA) Cd,Cr,Pb,Zn,Ni	BTEX (8020)	BTEX/MTBE/Naph. (8020)	TPH - HOLD 1	TPH-D Extended						Remarks / Lab Sample No.
MW-1	3	W	HCL	9-29/1252	X																		01
MW-2	3	↓	↓	1306	X																		02
MW-4	3	↓	↓	1234	X																		03
TB	2	↓	↓	↓ —	X																		04

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N
Patrick Flaherty	BTS	9/30 9:00		Sequoia	9/30/99 5:02	
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N
		9/30/99			9/30/99 5:15	
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 # 990929-12 Date 9-29-99 Client _____

Site _____ Chevron 9-9708
5910 MACARTHUR BLVD.
OAKLAND

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					13.40	20.15	TOC	2
MW-2	2					12.89	20.05	↓	3
MW-3	2	Inaccessible						↓	4
MW-4	2					12.55	19.31	↓	1

CHEVRON WELL MONITORING DATA SHEET

Project #: 990929-SJ	Station #: 9-9708
Sampler: P.B.	Date: 9-29-99
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 20.15	Depth to Water: 13.40
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: ___

1.0 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 3.0 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1245	75.4	7.9	960	1.0	
1247	75.2	7.9	1000	2.0	
1249	75.1	7.9	1020	3.0	

Did well dewater? Yes (No) Gallons actually evacuated: 3.0

Sampling Time: 1252 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 #: 990929-52	Station #: 9-9708
Sampler: P.E.	Date: 9-29-99
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 20.05	Depth to Water: 12.89
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: ___

1.1 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 3.3 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1300	73.0	8.3	470	1.25	odor
1302	72.8	8.0	500	2.5	
1304	72.7	7.8	510	3.5	

Did well dewater? Yes (No) Gallons actually evacuated: 3.5

Sampling Time: 1306 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 #: 990929-52	Station #: 9-9708
Sampler: P.E.	Date: 9-29-99
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth:	Depth to Water:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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

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

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

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

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
	Inaccessable		car	parked over	
	returned	at	1530	car still	there

Did well dewater? Yes No	Gallons actually evacuated:		
Sampling Time:	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 #: 990929-52	Station #: 9-9708
Sampler: P.F.	Date: 9-29-99
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 19.31	Depth to Water: 12.55
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: ___

1.0 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 3 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1226	72.9	8.9	1230	1	
1228	72.4	8.5	1200	2	
1230	72.3	8.3	1200	3	

Did well dewater? Yes (No)		Gallons actually evacuated: 3	
Sampling Time: 1234		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