ENVIRONMENTAL
PROTECTION

99 DEC 16 PM 2:14

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 8, 1999

To: Distribution

Re: Groundwater Monitoring Report , 9-8341

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 3, 1999

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

4th Quarter 1999 Monitoring at 9-8341

Fourth Quarter 1999 Groundwater Monitoring at
Chevron Service Station Number 9-8341
3530 MacArthur Blvd.
Oakland, CA

Monitoring Performed on October 13, 1999

Groundwater Sampling Report **991013-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,

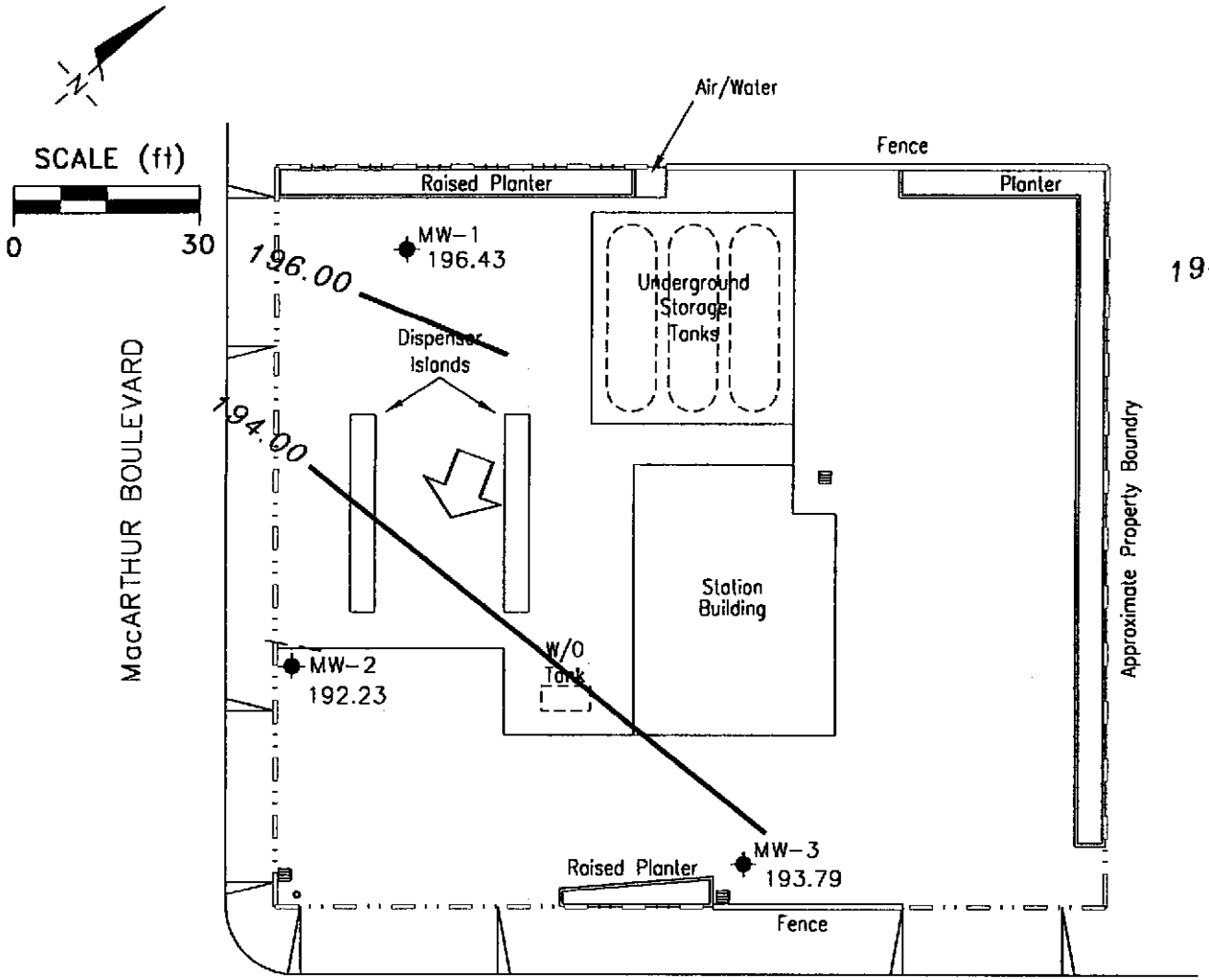
Scott Boor
Project Coordinator

SB/esw

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**
Chuck Headlee, RWQCB-S.F. Bay Region
Madhulla Logan, Alameda County Health Care Services
Jim Perkins, Cambria Environmental Technology, Inc.
Greg Gurss, Gettler-Ryan, Inc.

Professional Engineering Appendix



EXPLANATION

- Groundwater monitoring well
- 193.79 Groundwater elevation (ft, msl)
- 194.00 Groundwater elevation contour (ft, msl)
- Approximate groundwater flow direction; Approximate gradient = 0.06

REGISTERED GEOLOGIST
STEVEN E. KRCIK
No. 4976
STATE OF CALIFORNIA
9/00

Ref. Gettler-Ryan, Inc.

PREPARED BY
RRM
engineering contracting firm

Chevron Station 9-8341
3530 MacArthur Boulevard
Oakland, California

GROUNDWATER ELEVATION CONTOUR MAP, OCTOBER 13, 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
MW-1										
04/04/96	202.47	198.65	3.82	--	<50	<0.5	<0.5	<0.5	<0.5	ND
11/01/96	202.47	197.45	5.02	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
01/06/97	202.47	199.72	2.75	--	<50	<0.5	<0.5	<0.5	<0.5	14
04/14/97	202.47	197.71	4.76	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
07/17/97	202.47	196.72	5.75	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/29/97	202.47	196.97	5.50	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/04/98	202.47	199.80	2.67	--	<50	4.2	<0.5	<0.5	<0.5	94
04/03/98	202.47	197.06	5.41	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
07/29/98	202.47	192.26	10.21	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/26/98	202.47	195.66	6.81	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
01/18/99	202.47	196.05	6.42	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0
04/15/99	202.47	197.13	5.34	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
07/22/99	202.47	196.97	5.50	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/13/99	202.47	196.43	6.04	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5

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
MW-2										
04/04/96	198.88	196.07	2.81	--	<50	<0.5	<0.5	<0.5	<0.5	6100
11/01/96	198.88	195.27	3.61	--	<500	<5.0	<5.0	<5.0	<5.0	2600
01/06/97	198.88	195.97	2.91	--	<2000	31	<20	<20	<20	4000
04/14/97	198.88	195.43	3.45	--	<2000	<20	<20	<20	<20	5100
04/14/97	198.88	195.43	3.45	Confirmation run	--	--	--	--	--	5800
07/17/97	198.88	194.98	3.90	--	<500	<5.0	<5.0	<5.0	<5.0	2300
07/17/97	198.88	194.98	3.90	Confirmation run	--	--	--	--	--	2900
10/29/97	198.88	192.96	5.92	--	120*	12	<0.5	<0.5	<0.5	810
10/29/97	198.88	192.96	5.92	Confirmation run	--	--	--	--	--	900
02/04/98	198.88	195.05	3.83	--	<1000	<10	<10	<10	<10	2100
02/04/98	198.88	195.05	3.83	Confirmation run	--	--	--	--	--	2800
04/03/98	198.88	191.55	7.33	--	<1000	<10	<10	<10	<10	3800
04/03/98	198.88	191.55	7.33	Confirmation run	--	--	--	--	--	3600
07/29/98	198.88	189.86	9.02	--	120**	<0.5	<0.5	<0.5	<0.5	2800
07/29/98	198.88	189.86	9.02	Confirmation run	--	--	--	--	--	3900
10/26/98	198.88	192.77	6.11	--	<50	<0.5	<0.5	<0.5	<0.5	1200
01/18/99	198.88	194.67	4.21	--	<1000	<10	<10	<10	10.5	2530
04/15/99	198.88	194.56	4.32	--	<50	<0.5	<0.5	<0.5	<0.5	5270
07/22/99	198.88	193.73	5.15	--	<50	8.92	<0.5	<0.5	<0.5	1450
10/13/99	198.88	192.23	6.65	--	<250	<2.5	<2.5	<2.5	<2.5	1740

* Chromatogram report indicates an unidentified hydrocarbon and gas.

** Chromatogram report 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
MW-3										
04/04/96	199.10	195.22	3.88	--	<50	<0.5	<0.5	<0.5	<0.5	ND
11/01/96	199.10	194.91	4.19	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
01/06/97	199.10	195.29	3.81	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/14/97	199.10	194.93	4.17	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
07/17/97	199.10	194.92	4.18	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/29/97	199.10	193.90	5.20	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/04/98	199.10	194.71	4.39	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/03/98	199.10	195.78	3.32	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
07/29/98	199.10	189.24	9.86	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/26/98	199.10	193.59	5.51	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
01/18/99	199.10	194.68	4.42	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0
04/15/99	199.10	194.54	4.56	--	<50	<0.5	<0.5	<0.5	1.16	<5.0
07/22/99	199.10	192.45	6.65	--	<50	<0.5	<0.5	<0.5	<0.5	3.94
10/13/99	199.10	193.79	5.31	--	<50	<0.5	<0.5	<0.5	<0.5	6.55

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
TRIP BLANK										
11/01/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
01/06/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/14/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
07/17/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/29/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/04/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
04/03/98	--	--		--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
07/29/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/26/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
01/18/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0
04/15/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
07/22/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
10/13/99	--	--	--	--	<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 October 26, 1998. Earlier field data and analytical results are drawn from the July 29, 1998, 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.
MTBE = Methyl tertiary-butyl ether

Analytical Appendix

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

November 1, 1999

Scott Boor
Blaine Tech Services, Inc.
1680 Rogers Ave.
San Jose, CA 95112

RE: Chevron USA, Inc./P910399

Dear Scott Boor

Enclosed are the results of analyses for sample(s) received by the laboratory on October 18, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Marvin Heskett
Project Manager

CA ELAP Certificate Number I-2374

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

Blaine Tech Services, Inc.	Project:	Chevron USA, Inc.	Sampled: 10/13/99
1680 Rogers Ave.	Project Number:	991013-J2	Received: 10/18/99
San Jose, CA 95112	Project Manager:	Scott Boor	Reported: 11/1/99

ANALYTICAL REPORT FOR P910399

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	P910399-01	Water	10/13/99
MW-2	P910399-02	Water	10/13/99
MW-3	P910399-03	Water	10/13/99
TB	P910399-04	Water	10/13/99

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

Blaine Tech Services, Inc.	Project:	Chevron USA, Inc.	Sampled: 10/13/99
1680 Rogers Ave.	Project Number:	991013-I2	Received: 10/18/99
San Jose, CA 95112	Project Manager:	Scott Boor	Reported: 11/1/99

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
MW-1			**P910399-01**				**Water**	
Gasoline	9100450	10/20/99	10/20/99		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	"	"	"	*65.0-135*		*105*	*%*	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*95.3*	"	
MW-2			**P910399-02**				**Water**	
Gasoline	9100450	10/20/99	10/20/99		250	ND	ug/l	
Benzene	"	"	"		2.50	ND	"	
Toluene	"	"	"		2.50	ND	"	
Ethylbenzene	"	"	"		2.50	ND	"	
Xylenes (total)	"	"	"		2.50	ND	"	
Methyl tert-butyl ether	"	"	"		12.5	**1740**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*105*	*%*	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*95.7*	"	
MW-3			**P910399-03**				**Water**	
Gasoline	9100450	10/20/99	10/20/99		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	**6.55**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*65.0-135*		*106*	*%*	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*95.3*	"	
TB			**P910399-04**				**Water**	
Gasoline	9100450	10/20/99	10/20/99		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	"	"	"	*65.0-135*		*107*	*%*	
Surrogate: 4-Bromofluorobenzene	"	"	"	*65.0-135*		*98.7*	"	

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

Blaine Tech Services, Inc.	Project:	Chevron USA, Inc.	Sampled: 10/13/99
1680 Rogers Ave.	Project Number:	991013-I2	Received: 10/18/99
San Jose, CA 95112	Project Manager:	Scott Boor	Reported: 11/1/99

Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M/Quality Control
Sequoia Analytical - Petaluma

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9100450	**Date Prepared: 10/20/99**					**Extraction Method: EPA 5030 waters**				
Blank	**9100450-BLK1**									
Gasoline	10/20/99			**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	"	*300*		*327*	"	*65.0-135*	*109*			
Surrogate: 4-Bromofluorobenzene	"	*300*		*284*	"	*65.0-135*	*94.7*			
LCS	**9100450-BS1**									
Gasoline	10/20/99	1000		940	ug/l	65.0-135	94.0			
Surrogate: 4-Bromofluorobenzene	"	*300*		*287*	"	*65.0-135*	*95.7*			
Matrix Spike	**9100450-MS1**		**P910389-01**							
Gasoline	10/20/99	1000	645	1610	ug/l	65.0-135	**96.5**			
Surrogate: 4-Bromofluorobenzene	"	*300*		*294*	"	*65.0-135*	*98.0*			
Matrix Spike Dup	**9100450-MSD1**		**P910389-01**							
Gasoline	10/20/99	1000	645	1630	ug/l	65.0-135	**98.5**	20.0	**2.05**	
Surrogate: 4-Bromofluorobenzene	"	*300*		*310*	"	*65.0-135*	*103*			

Sequoia Analytical

1455 McDowell Blvd. North, Ste. D
Petaluma, CA 94954
(707) 792-1865
FAX (707) 792-0342

Blaine Tech Services, Inc.	Project:	Chevron USA, Inc.	Sampled:	10/13/99
1680 Rogers Ave.	Project Number:	991013-I2	Received:	10/18/99
San Jose, CA 95112	Project Manager:	Scott Boor	Reported:	11/1/99

Notes and Definitions

#	Note
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

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

Chain-of-Custody-Recor

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

Chevron Facility Number 9-8341
Facility Address 3530 Macarthur Blvd., Oakland
Consultant Project Number 990113-I2
Consultant Name BLAINE TECH SERVICES, INC.
Address 1680 ROGERS AVE., SAN JOSE
Project Contact (Name) CHRISTINE LILLIE
(Phone) 408-573-0555 (Fax Number) 408-573-7771

Chevron Contact (Name) TAMMY HODGE
(Phone) (925) 842-9449
Laboratory Name SEQUOIA
Laboratory Service Order 9144488
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 (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 - HCID	TPH-D Extended					Remarks / Lab Sample No.
MW-1	3	W	HCl	10/13/1210	X												P910399	-01				
MW-2	3	↓	↓	1152	X													-02				
MW-3	3	↓	↓	1230	X													-03				2 14 12 35
TB	2	↓	↓	—	X													-04				

COOLER CUSTODY SEALS INTACT ☐ NOT INTACT ☐
COOLER TEMPERATURE 15 °C

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N
Patrick Flaherty	BTS	10-14 9:10		Sequoia	10/14/99 9:10	
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N
		10/14/99				
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	Iced Y/N
TJT (MH)	SA	10.14.99 14:15			10/15/99 14:5	

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

COC-3.DWG/07-98/HCH

Field Data Sheets

WELL GAUGING DATA

Project # 991013-I2 Date 10-13-99 Client _____

Site _____ Chevron 9-8341
3530 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					6.04	29.95	TOC	2
mw-2	2					6.65	33.45		1
mw-3	2					5.31	33.01		3

CHEVRON WELL MONITORING DATA SHEET

Project #: 991013-JJ	Station #: 9-8341
Sampler: B.F.	Date: 10-13-99
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 29.95	Depth to Water: 6.04
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: ___

3.8 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 11.4 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1159	72.3	7.5	590	4	
1203	72.0	7.3	580	7.75	
1207	71.9	7.2	580	11.5	

Did well dewater? Yes (No) Gallons actually evacuated: 11.5

Sampling Time: 1210 Sampling Date: 10-13-99

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 #: 991013-I2	Station #: 9-8341
Sampler: P, F.	Date: 10-13-99
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 33.45	Depth to Water: 6.65
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 / (Disposable Bailer) / ~~Middleburg~~ / Electric Submersible / Extraction Pump / Other: ___

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

4.2 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 12.6 Gals. (Calculated Volume)

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1140	72.7	7.2	720	4.25	
1145	72.4	7.0	750	8.5	
1150	72.2	6.8	760	12.75	

Did well dewater? Yes (No)		Gallons actually evacuated: 12.75	
Sampling Time: 1152		Sampling Date: 10-13-99	
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 #: 991013-I2	Station #: 9-8341
Sampler: R.F.	Date: 10-13-99
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 33.01	Depth to Water: 5.31
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: ___

4.4 (1 Case Volume (Gals.)) x 3 (Specified Volumes) = 13.2 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1217	73.7	7.2	570	4.5	
1222	73.5	7.0	570	9	
1227	73.4	6.9	560	13.25	

Did well dewater? Yes (No)		Gallons actually evacuated: 13.25	
Sampling Time: 1230		Sampling Date: 10-13-99	
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