

JP STAPLOW

ENVIRONMENTAL  
PROTECTION



**Chevron**

MAR 24 AM 8:38

March 18, 1999

**Chevron Products Company**  
6001 Bollinger Canyon Road  
Building L, Room 1110  
PO Box 6004  
San Ramon, CA 94583-0904

**Philip R. Briggs**  
Project Manager  
Site Assessment & Remediation  
Phone 925 842-9136  
Fax 925 842-8370

Mr. Thomas Peacock, Manager  
Alameda County Health Care Services  
Division of Environmental Protection  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**Re: Chevron Service Station #9-8341**  
**3530 MacArthur Blvd.**  
**Oakland, California**

Dear Mr. Peacock:

Enclosed is the First Quarter Groundwater Monitoring Report for 1999 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 and sampled quarterly.

The concentrations were below method detection limits for all constituents in monitoring wells MW-1 and MW-3, while in monitoring well MW-2 the TPH-g and BTEX constituents were below method detection limits of less than 10ppb. The sample for well MW-2 was diluted to achieve an accurate chromatogram reading for MtBE. MtBE continues to be detected only in well MW-2.

The proposal to evaluate for MtBE contamination downgradient of the site is underway, with a utility study being conducted prior to the installation of any hydropunches and monitoring well.

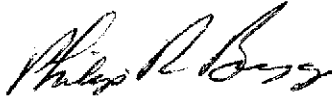
Depth to ground water varied from 4.21 feet to 6.42 feet below grade with a direction of flow southeasterly.

March 18, 1999  
Mr. Thomas Peacock  
Chevron Service Station #9-8341  
Page 2

If you have any questions, call me at (925) 842-9136.

Sincerely,

**CHEVRON PRODUCTS COMPANY**



Philip R. Briggs  
Site Assessment and Remediation Project Manager

Enclosure

CC. Mr. Chuck Headlee  
RWQCB-San Francisco Bay Region  
2101 Webster Street, Suite 500  
Oakland, CA 94612

Ms. Madhulla Logan  
Alameda County Health Care Services  
Division of Environmental Protection  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

Mr. Jim Perkins, R.G., C.E.M.  
Pacific Environmental Group, Inc.  
2025 Gateway Place, Suite 440  
San Jose, CA 95110-1006

Mr. Bill Scudder, Chevron

**BLAINE**  
TECH SERVICES INC.



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

March 8, 1999

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

### **1st Quarter 1999 Monitoring at 9-8341**

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

Monitoring Performed on January 18, 1999

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### **Groundwater Sampling Report 990118-J-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,

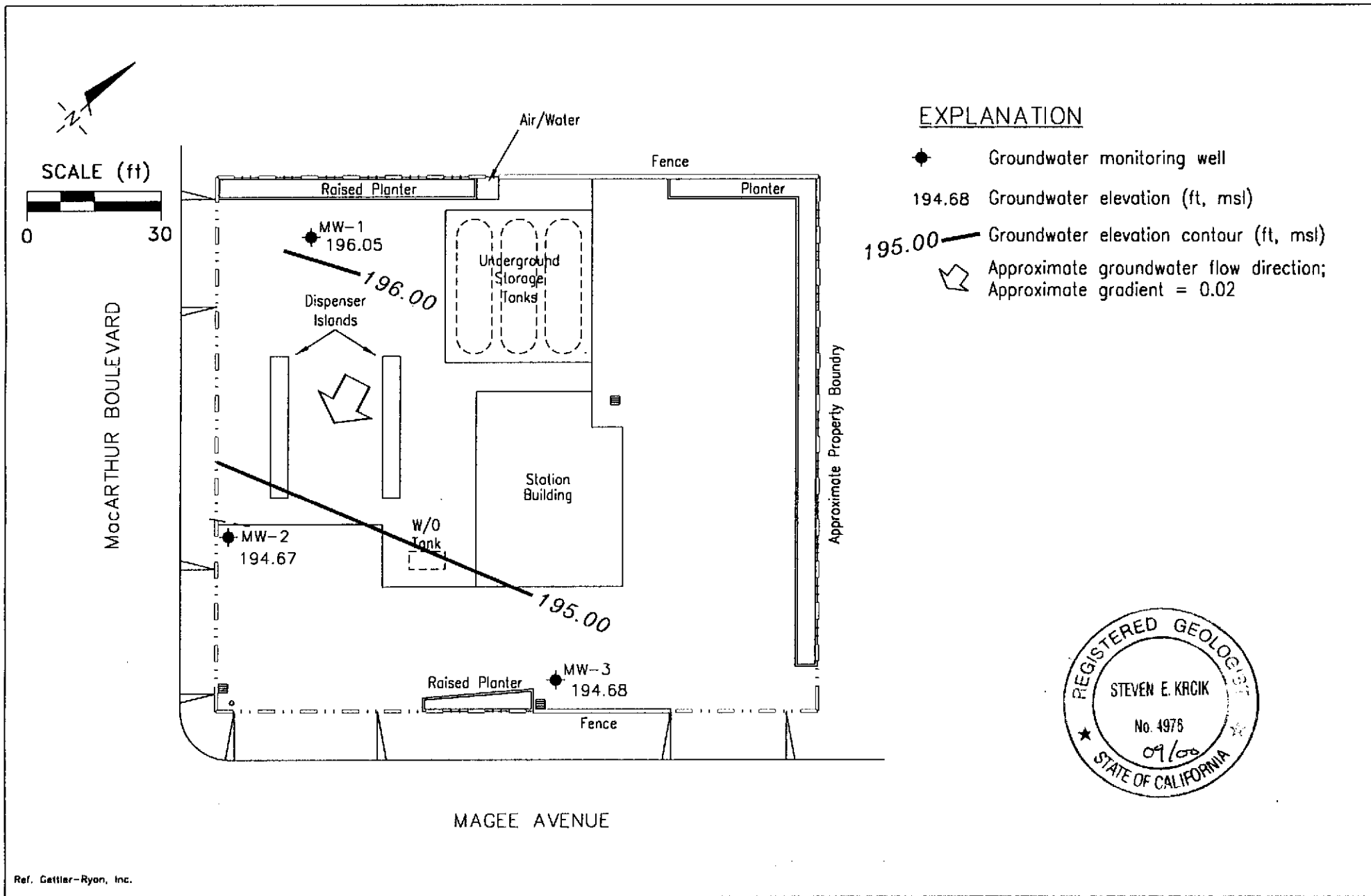
A handwritten signature in black ink that reads "Christine Lillie". The signature is written in a cursive, slightly slanted style.

Christine Lillie  
Project Coordinator

FPT/sb

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

# **Professional Engineering Appendix**



PREPARED BY

**RRM**  
engineering contracting firm

**Chevron Station 9-8341**  
3530 MacArthur Boulevard  
Oakland, California

**GROUNDWATER ELEVATION CONTOUR MAP,**  
JANUARY 18, 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
<b>MW-1</b>										
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
<b>MW-2</b>										
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	<10.0	<10.0	<10.0	10.5	2530

\* 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
<b>MW-3</b>										
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
<b>TRIP BLANK</b>										
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

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

680 Chesapeake Drive  
404 N. Wiger Lane  
819 Striker Avenue, Suite 8  
1455 McDowell Blvd. North, Ste. D

Redwood City, CA 94063  
Walnut Creek, CA 94598  
Sacramento, CA 95834  
Petaluma, CA 94954

(650) 364-9600  
(925) 988-9600  
(916) 921-9600  
(707) 792-1865

FAX (650) 364-9233  
FAX (925) 988-9673  
FAX (916) 921-0100  
FAX (707) 792-0342

January 29, 1999

Christine Lillie  
Blaine Tech/Chevron  
1680 Rogers Ave.  
San Jose, CA 95112

RE: Chevron/P901315

Dear Christine Lillie

Enclosed are the results of analyses for sample(s) received by the laboratory on January 20, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Matt Sakai  
Project Manager

CA ELAP Certificate Number 2245





**Sequoia  
Analytical**

680 Chesapeake Drive  
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Blaine Tech/Chevron  
1680 Rogers Ave.  
San Jose, CA 95112

Project: Chevron  
Project Number: 9-8341/990118-J2  
Project Manager: Christine Lillie

Sampled: 1/18/99  
Received: 1/20/99  
Reported: 1/29/99

**ANALYTICAL REPORT FOR P901315**

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	P901315-01	Water	1/18/99
MW-2	P901315-02	Water	1/18/99
MW-3	P901315-03	Water	1/18/99
TB	P901315-04	Water	1/18/99





# Sequoia Analytical

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(707) 792-1865 FAX (707) 792-0342

Blaine Tech/Chevron 1680 Rogers Ave. San Jose, CA 95112	Project: Chevron Project Number: 9-8341/990118-J2 Project Manager: Christine Lillie	Sampled: 1/18/99 Received: 1/20/99 Reported: 1/29/99
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## 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*
<b>MW-1</b>				<b>P901315-01</b>			<b>Water</b>	
Gasoline	9010493	1/27/99	1/27/99		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	"	"	"		2.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		115	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		95.0	"	
<b>MW-2</b>				<b>P901315-02</b>			<b>Water</b>	
Gasoline	9010493	1/27/99	1/28/99		1000	ND	ug/l	
Benzene	"	"	"		10.0	ND	"	
Toluene	"	"	"		10.0	ND	"	
Ethylbenzene	"	"	"		10.0	ND	"	
Xylenes (total)	"	"	"		10.0	10.5	"	
Methyl tert-butyl ether	"	"	"		40.0	2530	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		116	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		92.7	"	
<b>MW-3</b>				<b>P901315-03</b>			<b>Water</b>	
Gasoline	9010493	1/27/99	1/27/99		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	"	"	"		2.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		120	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		96.3	"	
<b>TB</b>				<b>P901315-04</b>			<b>Water</b>	
Gasoline	9010493	1/27/99	1/27/99		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	"	"	"		2.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	65.0-135		120	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		96.0	"	





Blaine Tech/Chevron 1680 Rogers Ave. San Jose, CA 95112	Project: Chevron Project Number: 9-8341/990118-J2 Project Manager: Christine Lillie	Sampled: 1/18/99 Received: 1/20/99 Reported: 1/29/99
---	---	--

**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*
<b>Batch: 9010493</b>			<b>Date Prepared: 1/27/99</b>			<b>Extraction Method: EPA 5030 waters</b>				
<b>Blank</b>			<b>9010493-BLK1</b>							
Gasoline	1/27/99			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	"	2.00				
Surrogate: <i>a,a,a</i> -Trifluorotoluene	"	300		389	"	65.0-135	130			
Surrogate: 4-Bromofluorobenzene	"	300		296	"	65.0-135	98.7			
<b>LCS</b>			<b>9010493-BS1</b>							
Gasoline	1/27/99	1000		1020	ug/l	65.0-135	102			
Surrogate: 4-Bromofluorobenzene	"	300		285	"	65.0-135	95.0			
<b>Matrix Spike</b>			<b>9010493-MS1</b>		<b>P901315-01</b>					
Gasoline	1/27/99	1000	ND	970	ug/l	65.0-135	97.0			
Surrogate: 4-Bromofluorobenzene	"	300		291	"	65.0-135	97.0			
<b>Matrix Spike Dup</b>			<b>9010493-MSD1</b>		<b>P901315-01</b>					
Gasoline	1/27/99	1000	ND	981	ug/l	65.0-135	98.1	20.0	1.13	
Surrogate: 4-Bromofluorobenzene	"	300		293	"	65.0-135	97.7			





# Sequoia Analytical

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Blaine Tech/Chevron 1680 Rogers Ave. San Jose, CA 95112	Project: Chevron Project Number: 9-8341/990118-J2 Project Manager: Christine Lillie	Sampled: 1/18/99 Received: 1/20/99 Reported: 1/29/99
---	---	--

## 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

P901315  
Chain-of-Custody-Record

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  
Chevron Contact (Name): TAMMY HODGE  
(Phone): (925) 842-9449  
Laboratory Name: SEQUOIA  
Laboratory Service Order: 9144488  
Laboratory Service Code: ZZ02800

Consultant Project Number: 990118-52  
Consultant Name: BLAINE TECH SERVICES, INC.  
Address: 1680 ROGERS AVE., SAN JOSE  
Project Contact (Name): CHRISTINE LILLIE  
Samples Collected by (Name): Steve Smith  
(Phone): 408-573-0555 (Fax Number): 408-573-7771  
Signature: [Signature]

Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Sample Preservation	Date/Time	State Method: <input type="checkbox"/> CA <input type="checkbox"/> OR <input type="checkbox"/> WA <input type="checkbox"/> NW Series <input type="checkbox"/> CO <input type="checkbox"/> UT													Remarks
					BTEX/MTBE+TPH GAS (8020 + 8015)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oxyaromatics (8260)	Purgeable Hydrocarbons (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 - HClD	TPH-D Extended	
MW-1	3	W	HCL	11/18/99 1020	X													P901315-01
MW-2	3	W		11/10	X													-02
MW-3	3	W		1045	X													-03
TB	2	W			X													-04

COOLER CUSTODY SEALS INTACT  NOT INTACTE N/A  
COOLER TEMPERATURE 6 °C

Relinquished By (Signature): <u>[Signature]</u>	Organization: <u>BTS</u>	Date/Time: <u>11/17/99 0945</u>	Received By (Signature): <u>[Signature]</u>	Organization: <u>SEQUOIA</u>	Date/Time: <u>11/17/99</u>	Iced Y/N: <u></u>	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. <u>5 18 12 32</u> 5 Days 10 Days <u>As Contracted</u>
Relinquished By (Signature): <u>[Signature]</u>	Organization: <u>SEQUOIA</u>	Date/Time: <u>1-14-99</u>	Received By (Signature): <u>[Signature]</u>	Organization: <u>CSC</u>	Date/Time: <u>1-20-1210</u>	Iced Y/N: <u></u>	
Relinquished By (Signature): <u>[Signature]</u>	Organization: <u>CSC</u>	Date/Time: <u>1-20-1430</u>	Received For Laboratory By (Signature): <u>[Signature]</u>		Date/Time: <u>1/14/99</u>	Iced Y/N: <u>1232</u>	

COC-3.DWG/07-98/HCH



# **Field Data Sheets**



## CHEVRON WELL MONITORING DATA SHEET

Project #: 990118-52	Station #: 9-8341
Sampler: SWP	Date: 1/18/99
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8
Total Well Depth: 26.96	Depth to Water: 6.42
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 <sup>2</sup> * 0.163

Purge Method: Bailer  
 Disposable Bailer  
 Middleburg   
 Electric Submersible  
 Extraction Pump

Other: \_\_\_\_\_

Sampling Method: Bailer  
 Disposable Bailer   
 Extraction Port  
 Other: \_\_\_\_\_

3.3	x	3	=	9.9	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
10 <sup>09</sup>	63.5	6.8	580	3.5	
10 <sup>13</sup>	64.8	6.9	530	7.0	
10 <sup>16</sup>	64.9	6.9	520	10.0	

Did well dewater? Yes  No  Gallons actually evacuated: 10.0

Sampling Time: 10<sup>20</sup> Sampling Date: 1/18/99

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 #: 990118-52	Station #: 9-9341
Sampler: Stwe	Date: 1/18/99
Well I.D.: MW-2	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: 33.12	Depth to Water: 4.21
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 <sup>2</sup> * 0.163

Purge Method: Bailer Disposable Bailer Middleburg <input checked="" type="checkbox"/> Electric Submersible Extraction Pump Other: _____	Sampling Method: Bailer Disposable Bailer <input checked="" type="checkbox"/> Extraction Port Other: _____
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<u>4.6</u>	x	<u>3</u>	=	<u>13.8</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
10 <sup>55</sup>	<del>62.7</del> 62.7	6.8	800	5.0	
11 <sup>00</sup>	63.8	7.0	720	9.5	
11 <sup>05</sup>	63.9	7.0	720	14.0	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: <u>14.0</u>
Sampling Time: <u>11<sup>10</sup></u>	Sampling Date: <u>1/18/99</u>
Sample I.D.: <u>MW-2</u>	Laboratory: <u>Sequoia</u> CORE N. Creek Assoc. Labs
Analyzed for: <input checked="" type="checkbox"/> TPH-G <input checked="" type="checkbox"/> BTEX <input checked="" type="checkbox"/> MTBE <input type="checkbox"/> 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 #: 990118-JZ	Station #: 9-8341
Sampler: Stve	Date: 1/18/99
Well I.D.: MW-3	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: 32.63	Depth to Water: 4.42
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 <sup>2</sup> * 0.163

Purge Method:  Bailer      Sampling Method:  Bailer

Disposable Bailer       Disposable Bailer ↑

Middleburg ✓       Extraction Port

Electric Submersible      Other: \_\_\_\_\_

Extraction Pump

Other: \_\_\_\_\_

<u>4.5</u>	x	<u>3</u>	=	<u>13.5</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1031	63.7	7.1	590	4.5	
1036	64.9	7.0	550	9.0	
1041	65.1	7.0	540	13.5	

Did well dewater?    Yes    No    Gallons actually evacuated: 13.5

Sampling Time: 1045    Sampling Date: 1/18/99

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