

ENVIRONMENTAL  
PROTECTION

00 APR 14 PM 4:39



**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) 842-8530  
Fax (510) 842-8370

Date: 3-31-00  
To: Distribution  
Re: Groundwater Monitoring Report, 9-3322

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,

A handwritten signature in cursive script that reads "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

March 31, 2000

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

### **1st Quarter 2000 Monitoring at 9-3322**

First Quarter 2000 Groundwater Monitoring at  
Former Chevron Service Station Number 9-3322  
7225 Bancroft Ave.,  
Oakland, CA

Monitoring Performed on February 8, 2000

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### **Groundwater Sampling Report 000208-M-1**

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

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

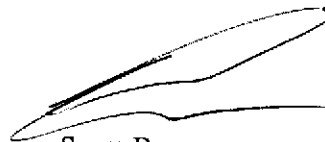
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL DATA AND ANALYTICAL RESULTS**. The full analytical report for the most recent samples is located in the **Analytical Appendix**. The table also contains new groundwater elevation calculations taken from the computer plotted gradient map which is located in the **Professional Engineering Appendix**.

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

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

Please call if you have any questions.

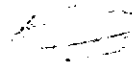
Yours truly,



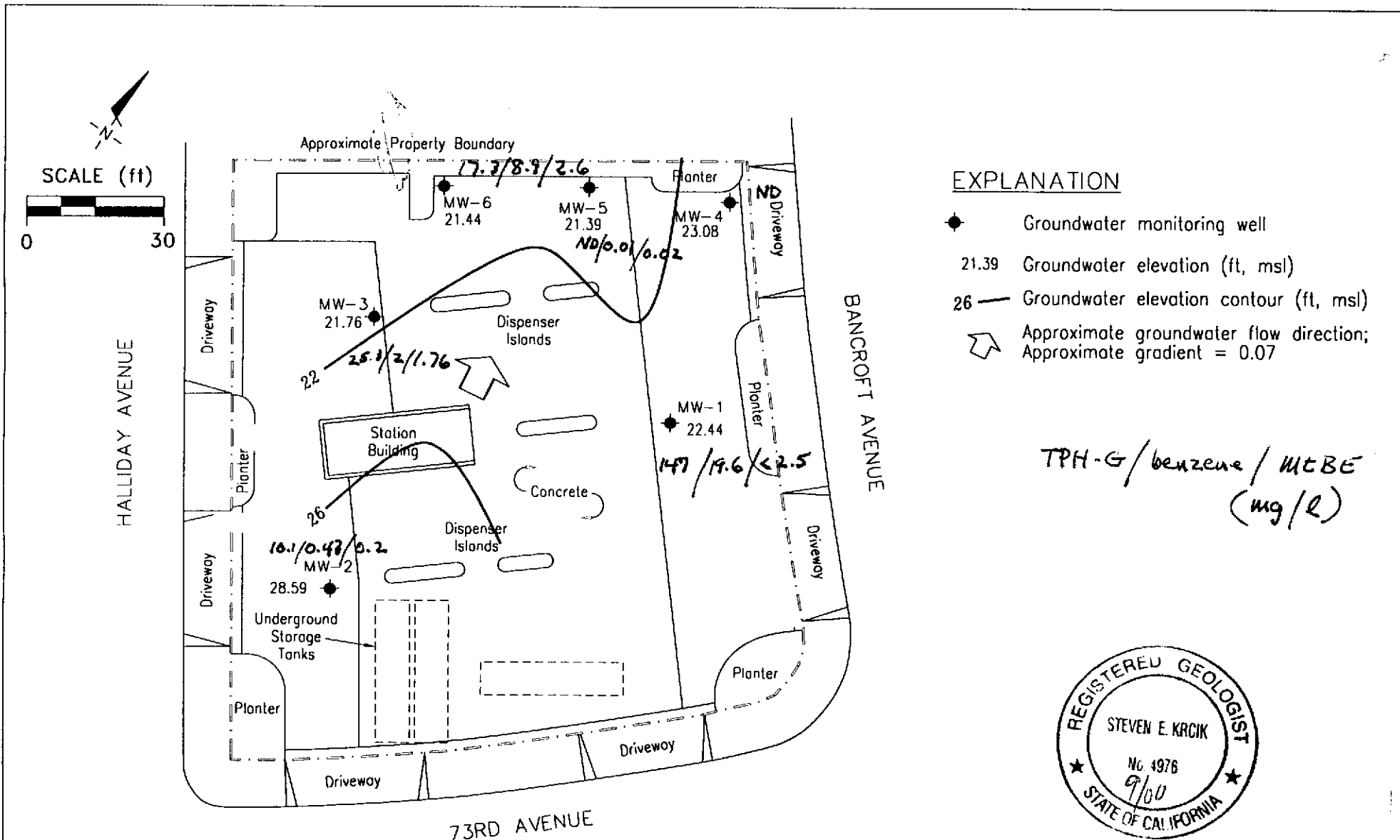
Scott Boor  
Project Coordinator

SDB/ew

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

cc:  Scott Seery, Alameda County Health Care Services  
Greg Gurss, Gettler-Ryan, Inc.  
Bill Scudder, Chevron Products Company

# **Professional Engineering Appendix**



ref. 3322-qm.dwg  
 Esomap from Gettler-Ryon, Inc.

PREPARED BY

**RRM**  
 engineering contracting firm

**Chevron Station 9-3322**  
 7225 Bancroft Avenue  
 Oakland, California

**GROUNDWATER ELEVATION CONTOUR MAP,**  
 FEBRUARY 8, 2000

**FIGURE:**  
**1**  
**PROJECT:**  
 DAC04

# **Table of Well Data and Analytical Results**

## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.

Volumetric Measurements are in gallons.

Analytical results are in parts per billion (ppb)

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE
<b>MW-1</b>													
02/08/1998	40.41	26.53	13.88	--	--	--	--	130,000	9700	8200	3200	15,000	<250
06/16/1998	40.41	26.18	14.23	--	--	--	--	96,000	15,000	12,000	2600	11,000	1300
07/29/1998	40.41	22.59	17.82	--	--	--	--	370,000	19,000	14,000	5800	15,000	<2500
08/13/1998	40.41	22.01	18.40	--	--	--	--	120,000	19,000	16,000	2900	14,000	<1000
11/24/1998	40.41	19.61	20.80	--	--	--	--	100,000	26,000	18,000	4000	22,000	2000
02/03/1999	40.41	22.96	17.45	--	--	--	--	110,000	27,000	16,000	3800	22,000	<2.5
06/07/1999	40.41	24.29	16.44	0.40	0.03	0.03	--	--	--	--	--	--	--
09/07/1999	40.41	19.97	20.71	0.34	0.01	0.04	--	--	--	--	--	--	--
10/27/1999	40.41	18.93	21.75	0.34	0.03	0.07	--	--	--	--	--	--	--
02/08/2000	40.41	22.44	17.97	0.00	0.00	0.07	--	147,000	19,600	13,700	4020	21,300	<2500

### MW-2

02/08/1998	38.73	31.13	7.60	--	--	--	--	24,000	130	170	450	1900	2300
06/16/1998	38.73	29.61	9.12	--	--	--	--	8900	31	46	310	1100	260
07/29/1998	38.73	27.06	11.67	--	--	--	--	7600	15	21	150	480	82
08/13/1998	38.73	26.32	12.41	--	--	--	--	14,000	26	80	500	2100	32
11/24/1998	38.73	23.10	15.63	--	--	--	--	37,000	63	220	1300	7100	770
02/03/1999	38.73	27.16	11.57	--	--	--	--	16,000	140	110	850	3100	900
06/07/1999	38.73	27.78	10.95	--	--	--	--	4300	<10	<10	120	260	160
09/07/1999	38.73	26.00	12.73	--	--	--	--	10,700	50.5	<25	297	1020	<250
10/27/1999	38.73	26.02	12.71	--	--	--	--	7240	53.8	31.9	234	654	448
02/08/2000	38.73	28.59	10.14	--	--	--	--	10,100	42.9	18.4	424	1480	206

Vertical Measurements are in feet.

Volumetric Measurements are in gallons.

Analytical results are in parts per billion (ppb)

### Cumulative Table of Well Data and Analytical Results

DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE
<b>MW-3</b>													
02/08/1998	39.51	24.91	14.60	--	--	--	--	94,000	12,000	4400	2000	10,000	8000
06/16/1998	39.51	25.53	13.98	--	--	--	--	38,000	5600	1400	1200	4700	6300
06/16/1998	39.51	25.53	13.98	--	--	--	Confirmation run	--	--	--	--	--	4600
07/29/1998	39.51	22.14	17.37	--	--	--	--	58,000	4100	700	1300	4200	4100
08/13/1998	39.51	21.29	18.22	--	--	--	--	43,000	6800	1900	1600	6800	2300
11/24/1998	39.51	19.06	20.45	--	--	--	--	40,000	5000	800	1600	6800	6000
11/24/1998	39.51	19.06	20.45	--	--	--	Confirmation run	--	--	--	--	--	4400
02/03/1999	39.51	22.03	17.48	--	--	--	--	47,000	7100	1600	1900	9000	5000
06/07/1999	39.51	23.76	15.75	--	--	--	--	27,000	2500	540	1200	3900	2800
09/07/1999	39.51	19.80	19.71	--	--	--	--	44,000	3930	1170	1760	7130	3440
10/27/1999	39.51	19.09	20.42	--	--	--	--	28,200	2030	620	1260	5080	1710
02/08/2000	39.51	21.76	17.75	--	--	--	--	25,300	2000	668	1210	5330	1760
<b>MW-4</b>													
02/02/1999	40.24	27.07	13.17	--	--	--	--	<50	0.52	<0.5	<0.5	<0.5	6.0
06/07/1999	40.24	23.83	16.41	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/07/1999	40.24	19.34	20.90	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
10/27/1999	40.24	18.65	21.59	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/08/2000	40.24	23.08	17.16	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
<b>MW-5</b>													
02/02/1999	40.37	21.57	18.80	--	--	--	--	72	2.7	<0.5	<0.5	<0.5	11
06/07/1999	40.37	23.39	16.98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/07/1999	40.37	19.24	21.13	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	6.92
10/27/1999	40.37	18.45	21.92	--	--	--	--	<50	2.39	<0.5	<0.5	<0.5	21.3
02/08/2000	40.37	21.39	18.98	--	--	--	--	<50	10.6	<0.5	<0.5	<0.5	21.7



## Cumulative Table of Well Data and Analytical Results

Vertical Measurements are in feet.				Volumetric Measurements are in gallons.			Analytical results are in parts per billion (ppb)						
DATE	Well Head Elev.	Ground Water Elev.	Depth To Water	SPH Thickness	SPH Removed	Total SPH Removed	Notes	TPH-Gasoline	Benzene	Toluene	Ethyl-Benzene	Xylene	MTBE
<b>MW-6</b>													
02/02/1999	39.84	21.36	18.48	--	--	--	--	14,000	5600	<50	150	160	<250
06/07/1999	39.84	23.39	16.45	--	--	--	--	1500	1100	33	25	34	200
09/07/1999	39.84	19.35	20.49	--	--	--	--	6550	2940	81.5	177	84	865
10/27/1999	39.84	18.61	21.23	--	--	--	--	3680	1240	29.6	115	14.9	735
02/08/2000	39.84	21.44	18.40	--	--	--	--	17,300	8920	<100	378	211	2610
<b>TRIP BLANK</b>													
02/08/1998	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/16/1998	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
07/29/1998	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
08/13/1998	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
11/24/1998	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/02/1999	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/03/1999	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
06/07/1999	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
09/07/1999	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
10/27/1999	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
02/08/2000	--	--	--	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on November 24, 1998. Earlier field data and analytical results are drawn from the August 13, 1998, Götter-Ryan, Inc. report. Wells MW-4, MW-5, and MW-6 were surveyed on February 22, 1999 by Virgil Chavez of Vallejo, CA.

**ABBREVIATIONS:**

TPH = Total Petroleum Hydrocarbons  
 MTBE = Methyl-tert-butyl ether  
 SPH = Separate-Phase Hydrocarbons

# Analytical Appendix



February 24, 2000

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

RE: Chevron/L002100

Dear Scott Boor:

Enclosed are the results of analyses for sample(s) received by the laboratory on February 9, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wayne Stevenson  
Project Manager

CA ELAP Certificate Number I-2360



Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Blaine/Chevron Project Number: Chevron 9-3322/7225 Bancroft, Oakland Project Manager: Scott Boor	Sampled: 2/8/00 Received: 2/9/00 Reported: 2/24/00
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**ANALYTICAL REPORT FOR L002100**

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	L002100-01	Water	2/8/00
MW-2	L002100-02	Water	2/8/00
MW-3	L002100-03	Water	2/8/00
MW-4	L002100-04	Water	2/8/00
MW-5	L002100-05	Water	2/8/00
MW-6	L002100-06	Water	2/8/00
TB	L002100-07	Water	2/8/00





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Blaine/Chevron Project Number: Chevron 9-3322/7225 Bancroft, Oakland Project Manager: Scott Boor	Sampled: 2/8/00 Received: 2/9/00 Reported: 2/24/00
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**Sample Description:** MW-1  
**Laboratory Sample Number:** L002100-01

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
<b>Sequoia Analytical - San Carlos</b>								
<b>Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT</b>								
Purgeable Hydrocarbons as Gasoline	0020100	2/18/00	2/18/00		25000	147000	ug/l	1
Benzene	"	"	"		250	19600	"	
Toluene	"	"	"		250	13700	"	
Ethylbenzene	"	"	"		250	4020	"	
Xylenes (total)	"	"	"		250	21300	"	
Methyl tert-butyl ether	"	"	"		2500	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	70.0-130		104	%	



Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Blaine/Chevron Project Number: Chevron 9-3322/7225 Bancroft, Oakland Project Manager: Scott Boor	Sampled: 2/8/00 Received: 2/9/00 Reported: 2/24/00
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**Sample Description:** MW-2  
**Laboratory Sample Number:** L002100-02

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Purgeable Hydrocarbons as Gasoline	0020100	2/18/00	2/18/00		1000	10100	ug/l	2
Benzene	"	"	"		10.0	42.9	"	
Toluene	"	"	"		10.0	18.4	"	
Ethylbenzene	"	"	"		10.0	424	"	
Xylenes (total)	"	"	"		10.0	1480	"	
Methyl tert-butyl ether	"	"	"		100	206	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	70.0-130		70.0	%	





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Blaine/Chevron Project Number: Chevron 9-3322/7225 Bancroft, Oakland Project Manager: Scott Boor	Sampled: 2/8/00 Received: 2/9/00 Reported: 2/24/00
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**Sample Description:** MW-3  
**Laboratory Sample Number:** L002100-03

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Purgeable Hydrocarbons as Gasoline	0020092	2/17/00	2/18/00		2500	<b>25300</b>	ug/l	I
Benzene	"	"	"		25.0	<b>2000</b>	"	
Toluene	"	"	"		25.0	<b>668</b>	"	
Ethylbenzene	"	"	"		25.0	<b>1210</b>	"	
Xylenes (total)	"	"	"		25.0	<b>5330</b>	"	
Methyl tert-butyl ether	"	"	"		250	<b>1760</b>	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	"	"	"	70.0-130		106	%	



Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Blaine/Chevron Project Number: Chevron 9-3322/7225 Bancroft, Oakland Project Manager: Scott Boor	Sampled: 2/8/00 Received: 2/9/00 Reported: 2/24/00
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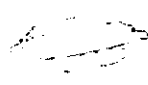
**Sample Description:** MW-4  
**Laboratory Sample Number:** L002100-04

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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**Sequoia Analytical - San Carlos**

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT**

Purgeable Hydrocarbons as Gasoline	0020092	2/17/00	2/18/00		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	"	"	"		5.00	ND	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	"	"	"	70.0-130		88.3	%	







Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Blaine/Chevron Project Number: Chevron 9-3322/7225 Bancroft, Oakland Project Manager: Scott Boor	Sampled: 2/8/00 Received: 2/9/00 Reported: 2/24/00
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**Sample Description:** MW-5  
**Laboratory Sample Number:** L002100-05

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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Sequoia Analytical - San Carlos

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT**

Purgeable Hydrocarbons as Gasoline	0020101	2/18/00	2/18/00		50.0	ND	ug/l	
<b>Benzene</b>	"	"	"		0.500	<b>10.6</b>	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
<b>Methyl tert-butyl ether</b>	"	"	"		5.00	<b>21.7</b>	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	"	"	"	70.0-130		105	%	



Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Blaine/Chevron Project Number: Chevron 9-3322/7225 Bancroft, Oakland Project Manager: Scott Boor	Sampled: 2/8/00 Received: 2/9/00 Reported: 2/24/00
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**Sample Description:** MW-6  
**Laboratory Sample Number:** L002100-06

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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**Sequoia Analytical - San Carlos**

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT**

Purgeable Hydrocarbons as Gasoline	0020105	2/20/00	2/20/00		10000	17300	ug/l	1
Benzene	"	"	"		100	8920	"	
Toluene	"	"	"		100	ND	"	
Ethylbenzene	"	"	"		100	378	"	
Xylenes (total)	"	"	"		100	211	"	
Methyl tert-butyl ether	"	"	"		1000	2610	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	"	"	"	70.0-130		101	%	



Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Blaine/Chevron Project Number: Chevron 9-3322/7225 Bancroft, Oakland Project Manager: Scott Boor	Sampled: 2/8/00 Received: 2/9/00 Reported: 2/24/00
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Sample Description: **TB**  
 Laboratory Sample Number: **L002100-07**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
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**Sequoia Analytical - San Carlos**

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT**

Purgeable Hydrocarbons as Gasoline	0020092	2/17/00	2/17/00		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	"	"	"		5.00	ND	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	"	"	"	70.0-130		87.2	%	



Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Blaine/Chevron Project Number: Chevron 9-3322/7225 Bancroft, Oakland Project Manager: Scott Boor	Sampled: 2/8/00 Received: 2/9/00 Reported: 2/24/00
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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control**  
**Sequoia Analytical - San Carlos**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
<b>Batch: 0020092</b>		<b>Date Prepared: 2/17/00</b>			<b>Extraction Method: EPA 5030B (P/T)</b>					
<b>Matrix Spike</b>		<b>0020092-MS1</b>	<b>L002103-39</b>							
Purgeable Hydrocarbons as Gasoline	2/17/00	250		246	ug/l	60.0-140				
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.55	"	70.0-130	95.5			
<b>Matrix Spike Dup</b>		<b>0020092-MSD1</b>	<b>L002103-39</b>							
Purgeable Hydrocarbons as Gasoline	2/17/00	250		242	ug/l	60.0-140		25.0		
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.27	"	70.0-130	92.7			
<b>Batch: 0020100</b>		<b>Date Prepared: 2/18/00</b>			<b>Extraction Method: EPA 5030B (P/T)</b>					
<b>Blank</b>		<b>0020100-BLK1</b>								
Purgeable Hydrocarbons as Gasoline	2/18/00			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	"	5.00				
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.77	"	70.0-130	87.7			
<b>LCS</b>		<b>0020100-BS1</b>								
Benzene	2/18/00	10.0		8.84	ug/l	70.0-130	88.4			
Toluene	"	10.0		8.39	"	70.0-130	83.9			
Ethylbenzene	"	10.0		8.63	"	70.0-130	86.3			
Xylenes (total)	"	30.0		26.1	"	70.0-130	87.0			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.03	"	70.0-130	80.3			
<b>LCS</b>		<b>0020100-BS2</b>								
Purgeable Hydrocarbons as Gasoline	2/18/00	250		230	ug/l	70.0-130	92.0			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.17	"	70.0-130	81.7			
<b>Matrix Spike</b>		<b>0020100-MS1</b>	<b>L002091-08</b>							
Benzene	2/18/00	10.0	ND	9.95	ug/l	60.0-140	99.5			
Toluene	"	10.0	ND	9.48	"	60.0-140	94.8			
Ethylbenzene	"	10.0	ND	9.99	"	60.0-140	99.9			
Xylenes (total)	"	30.0	ND	29.2	"	60.0-140	97.3			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		10.4	"	70.0-130	104			
<b>Matrix Spike Dup</b>		<b>0020100-MSD1</b>	<b>L002091-08</b>							
Benzene	2/18/00	10.0	ND	9.88	ug/l	60.0-140	98.8	25.0	0.706	
Toluene	"	10.0	ND	9.27	"	60.0-140	92.7	25.0	2.24	
Ethylbenzene	"	10.0	ND	9.93	"	60.0-140	99.3	25.0	0.602	
Xylenes (total)	"	30.0	ND	29.3	"	60.0-140	97.7	25.0	0.410	



Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Blaine/Chevron Project Number: Chevron 9-3322/7225 Bancroft, Oakland Project Manager: Scott Boor	Sampled: 2/8/00 Received: 2/9/00 Reported: 2/24/00
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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control**  
**Sequoia Analytical - San Carlos**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
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<b>Matrix Spike Dup (continued)</b>	<b>0020100-MSD1</b>	<b>L002091-08</b>								
Surrogate: a,a,a-Trifluorotoluene	2/18/00	10.0		9.81	ug/l	70.0-130	98.1			

<b>Batch: 0020101</b>	<b>Date Prepared: 2/18/00</b>					<b>Extraction Method: EPA 5030B [P/T]</b>				
<b>Blank</b>	<b>0020101-BLK1</b>									
Purgeable Hydrocarbons as Gasoline	2/18/00			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	"	5.00				
Surrogate: a,a,a-Trifluorotoluene	"	10.0		10.2	"	70.0-130	102			

<b>LCS</b>	<b>0020101-BS1</b>									
Benzene	2/18/00	10.0		8.85	ug/l	70.0-130	88.5			
Toluene	"	10.0		8.56	"	70.0-130	85.6			
Ethylbenzene	"	10.0		8.92	"	70.0-130	89.2			
Xylenes (total)	"	30.0		25.6	"	70.0-130	85.3			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		10.6	"	70.0-130	106			

<b>LCS</b>	<b>0020101-BS2</b>									
Purgeable Hydrocarbons as Gasoline	2/18/00	250		244	ug/l	70.0-130	97.6			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		10.9	"	70.0-130	109			

<b>Matrix Spike</b>	<b>0020101-MS1</b>	<b>L002082-01</b>								
Benzene	2/18/00	10.0	ND	7.96	ug/l	60.0-140	79.6			
Toluene	"	10.0	ND	7.67	"	60.0-140	76.7			
Ethylbenzene	"	10.0	ND	8.39	"	60.0-140	83.9			
Xylenes (total)	"	30.0	ND	23.0	"	60.0-140	76.7			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.42	"	70.0-130	94.2			

<b>Matrix Spike Dup</b>	<b>0020101-MSD1</b>	<b>L002082-01</b>								
Benzene	2/18/00	10.0	ND	9.80	ug/l	60.0-140	98.0	25.0	20.7	
Toluene	"	10.0	ND	9.66	"	60.0-140	96.6	25.0	23.0	
Ethylbenzene	"	10.0	ND	10.1	"	60.0-140	101	25.0	18.5	
Xylenes (total)	"	30.0	ND	27.8	"	60.0-140	92.7	25.0	18.9	
Surrogate: a,a,a-Trifluorotoluene	"	10.0		10.8	"	70.0-130	108			

<b>Batch: 0020105</b>	<b>Date Prepared: 2/20/00</b>					<b>Extraction Method: EPA 5030B [P/T]</b>				
<b>Blank</b>	<b>0020105-BLK1</b>									
Purgeable Hydrocarbons as Gasoline	2/20/00			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Blaine/Chevron Project Number: Chevron 9-3322/7225 Bancroft, Oakland Project Manager: Scott Boor	Sampled: 2/8/00 Received: 2/9/00 Reported: 2/24/00
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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control  
Sequoia Analytical - San Carlos**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
<b>Blank (continued)</b>										
<b>0020105-BLK1</b>										
Toluene	2/20/00			ND	ug/l	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	5.00				
Surrogate: a,a,a-Trifluorotoluene	"	10.0		9.54	"	70.0-130	95.4			
<b>LCS</b>										
<b>0020105-BS1</b>										
Benzene	2/20/00	10.0		11.1	ug/l	70.0-130	111			
Toluene	"	10.0		9.71	"	70.0-130	97.1			
Ethylbenzene	"	10.0		9.90	"	70.0-130	99.0			
Xylenes (total)	"	30.0		29.8	"	70.0-130	99.3			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		10.2	"	70.0-130	102			
<b>LCS</b>										
<b>0020105-BS2</b>										
Purgeable Hydrocarbons as Gasoline	2/20/00	250		215	ug/l	70.0-130	86.0			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		10.2	"	70.0-130	102			
<b>Matrix Spike</b>										
<b>0020105-MS1      L002115-01</b>										
Purgeable Hydrocarbons as Gasoline	2/20/00	250	ND	213	ug/l	60.0-140	85.2			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		10.5	"	70.0-130	105			
<b>Matrix Spike Dup</b>										
<b>0020105-MSD1      L002115-01</b>										
Purgeable Hydrocarbons as Gasoline	2/20/00	250	ND	215	ug/l	60.0-140	86.0	25.0	0.935	
Surrogate: a,a,a-Trifluorotoluene	"	10.0		10.2	"	70.0-130	102			



Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Blaine/Chevron Project Number: Chevron 9-3322/7225 Bancroft, Oakland Project Manager: Scott Boor	Sampled: 2/8/00 Received: 2/9/00 Reported: 2/24/00
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**Notes and Definitions**

#	Note
1	Chromatogram Pattern: Gasoline C6-C12
2	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



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	9-3322 <i>Lozice</i>	Chevron Contact Name)	Brett Hunter
	Facility Address	7225 Bancroft Ave., Oakland	(Phone)	(925) 842-8695
	Consultant Project Number	000208M-1	Laboratory Name	Sequoia
	Consultant Name	Blaine Tech Services, Inc.	Laboratory Service Order	9144488
	Address	1680 Rogers Ave., San Jose	Laboratory Service Code	ZZ02790
Project Contact (Name)	Scott Boor	Samples collected by (Name)	<i>Mark N. Sorenson</i>	
(Phone)	408-573-0555 (Fax) 408-573-7771	Signature	<i>Mark N. Sorenson</i>	

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)	Oxygenates (8260)	Purgeable Halocarbons (8010)	Purgeable Organics (8270)	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		Lab Sample No.
MW-1	3	W	REL	1210	X														
MW-2	3			1110	X														
MW-3	3			1145	X														
MW-4	3			940	X														
MW-5	3			1010	X														
MW-6	3			1035	X														
TB	2			-	X														

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N	Turn Around Time (Circle One) 24 Hrs. 48 Hrs. 5 Days 10 Days As Contracted
<i>Mark N. Sorenson</i>	BTS	2/9/00 8:30	<i>[Signature]</i>	Sequoia	2/9/00		
<i>[Signature]</i>		2/9/00	<i>[Signature]</i>		2/9/00 12:43		
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	Iced Y/N	
<i>[Signature]</i>	S.A	2/9/00	<i>[Signature]</i>		2/10/00		

7-5091-CP



**Field  
Data  
Sheets**



## CHEVRON WELL MONITORING DATA SHEET

Project #: <u>000208m-1</u>	Station #: <u>9-3322</u>
Sampler: <u>Mark S.</u>	Date: <u>2-8-00</u>
Well I.D.: <u>Mw-1</u>	Well Diameter: <u>(2)</u> 3 4 6 8
Total Well Depth: <u>33.70</u>	Depth to Water: <u>17.97</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer  
 Disposable Bailer  
 Middleburg  
 Electric Submersible  
 Waterra  
 Peristaltic  
 Extraction Pump  
 Other \_\_\_\_\_

Sampling Method:

- Bailer  
 Disposable Bailer  
 Extraction Port  
 Dedicated Tubing  
 Other: \_\_\_\_\_

2.5	(Gals.) X	3	=	7.5	Gals.
1 Case Volume		Specified Volumes		Calculated Volume	

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1150	64.2	6.7	1400	3	strong odor & light sheen ↓
1155	64.5	6.7	1390	5	
1200	65.9	6.7	1370	8	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: <u>8</u>
Sampling Time: <u>1210</u>	Sampling Date: <u>2-8-00</u>
Sample I.D.: <u>Mw-1</u>	Laboratory: STL <u>Sequoia</u> Other
Analyzed for: <u>(TPH-G)</u> <u>(BTEX)</u> <u>(MTBE)</u> TPH-D Other:	
EB I.D. (if applicable): _____ @ _____ Time	Duplicate I.D. (if applicable):
Analyzed for: TPH-G BTEX MTBE TPH-D Other:	
D.O. (if req'd): Pre-purge: _____ mg/L	Post-purge: _____ mg/L
O.R.P. (if req'd): Pre-purge: _____ mV	Post-purge: _____ mV

## CHEVRON WELL MONITORING DATA SHEET

Project #: <u>000208M-1</u>	Station #: <u>9-3322</u>
Sampler: <u>Mark J.</u>	Date: <u>2-8-00</u>
Well I.D.: <u>MW-2</u>	Well Diameter: <u>(2)</u> 3 4 6 8
Total Well Depth: <u>29.87</u>	Depth to Water: <u>10.14</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- |  |  |
|--|--|
| Bailer<br><u>Disposable Bailer</u><br>Middleburg<br>Electric Submersible | Waterra<br>Peristaltic<br>Extraction Pump<br>Other _____ |
|--|--|

Sampling Method:

- Bailer  
Disposable Bailer  
 Extraction Port  
 Dedicated Tubing  
 Other: \_\_\_\_\_

<u>3.1</u> (Gals.) X	<u>3</u>	=	<u>9.3</u> Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1045	64.4	7.2	550	4	odor ↓
1049	66.0	7.0	510	7	
1056	66.2	7.0	520	10	

Did well dewater? Yes  No  Gallons actually evacuated: 10

Sampling Time: 1110 Sampling Date: 2-8-00

Sample I.D.: MW-2 Laboratory: STL Sequoia Other

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

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
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O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV
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## CHEVRON WELL MONITORING DATA SHEET

Project #: <u>000208m-1</u>	Station #: <u>9-3722</u>
Sampler: <u>Mark J.</u>	Date: <u>2-8-00</u>
Well I.D.: <u>MW-3</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: <u>32.71</u>	Depth to Water: <u>17.75</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- |   |  |
|---|--|
| Bailer<br><input checked="" type="checkbox"/> Disposable Bailer<br>Middleburg<br>Electric Submersible | Waterra<br>Peristaltic<br>Extraction Pump<br>Other _____ |
|---|--|

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port  
Dedicated Tubing  
Other: \_\_\_\_\_

$2.39$  (Gals.) X  $3$  =  $7.1$  Gals.  
 1 Case Volume      Specified Volumes      Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1115	64.6	6.6	1046	3	odor ↓
1120	65.2	6.7	1100	6	
1130	66.4	6.8	1130	8	

Did well dewater? Yes  No  Gallons actually evacuated: 8

Sampling Time: 1145 Sampling Date: 2-8-00

Sample I.D.: MW-3 Laboratory: STE  Sequoia Other

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

EB I.D. (if applicable): \_\_\_\_\_ @ \_\_\_\_\_ Time Duplicate I.D. (if applicable): \_\_\_\_\_

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

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

## CHEVRON WELL MONITORING DATA SHEET

Project #: <u>000208M-1</u>	Station #: <u>9-3322</u>
Sampler: <u>Mark 5</u>	Date: <u>2-8-00</u>
Well I.D.: <u>MW-5</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: <u>31.45</u>	Depth to Water: <u>18.98</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- |  |  |
|--|--|
| Bailer<br><u>Disposable Bailer</u><br>Middleburg<br>Electric Submersible | Waterra<br>Peristaltic<br>Extraction Pump<br>Other _____ |
|--|--|

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other: \_\_\_\_\_

<u>1.99</u> (Gals.) X	<u>3</u>	=	<u>6.0</u>	Gals.
I Case Volume	Specified Volumes		Calculated Volume	

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
<u>9:45</u>	<u>63.1</u>	<u>6.6</u>	<u>950</u>	<u>2</u>	
<u>950</u>	<u>62.6</u>	<u>6.7</u>	<u>970</u>	<u>4</u>	
<u>958</u>	<u>62.8</u>	<u>6.7</u>	<u>960</u>	<u>6</u>	

Did well dewater? Yes  No Gallons actually evacuated: 6

Sampling Time: 1010 Sampling Date: 2-8-00

Sample I.D.: MW-5 Laboratory: STL Sequoia Other

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

EB I.D. (if applicable): \_\_\_\_\_ @ \_\_\_\_\_ Time Duplicate I.D. (if applicable): \_\_\_\_\_

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

D.O. (if req'd): Pre-purge: \_\_\_\_\_ mg/L Post-purge: \_\_\_\_\_ mg/L

O.R.P. (if req'd): Pre-purge: \_\_\_\_\_ mV Post-purge: \_\_\_\_\_ mV

## CHEVRON WELL MONITORING DATA SHEET

Project #: <u>000208M-1</u>	Station #: <u>9-3322</u>
Sampler: <u>Mark S.</u>	Date: <u>2-8-00</u>
Well I.D.: <u>MW-6</u>	Well Diameter: <u>(2)</u> 3 4 6 8
Total Well Depth: <u>31.43</u>	Depth to Water: <u>18.40</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer  
Disposable Bailer  
 Middleburg  
 Electric Submersible
- Waterra  
 Peristaltic  
 Extraction Pump  
 Other \_\_\_\_\_

Sampling Method:

Bailer

- Disposable Bailer  
 Extraction Port  
 Dedicated Tubing  
 Other: \_\_\_\_\_

<u>2.0</u> (Gals.) X	<u>3</u>	=	<u>6.0</u> Gals.
1 Case Volume	Specified Volumes		Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1015	63.0	6.2	1540	2	odor ↓
1020	62.7	6.6	1570	4	
1024	63.7	6.5	1580	6	

Did well dewater? Yes  No  Gallons actually evacuated: 6

Sampling Time: 1035 Sampling Date: 2-8-00

Sample I.D.: MW-6 Laboratory: STL (Sequoia) Other

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

EB I.D. (if applicable): @ \_\_\_\_\_ Time Duplicate I.D. (if applicable):

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