



Chevron

ST10 6241

DH

July 12, 1999

Chevron Products Company
6001 Bollinger Canyon Road
Building L, Room 1080
PO Box 6004
San Ramon, CA 94583-0904

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

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

Re: Former Chevron Service Station #9-0517
3900 Piedmont Avenue
Oakland, California

Dear Ms. Logan:

Enclosed is the Second Quarter Groundwater Monitoring Report for 1999 that was prepared by our consultant Blaine Tech Services Inc., for the above noted site. The groundwater samples collected were analyzed for the TPH-g, BTEX and MtBE constituents.

In monitoring wells MW-1 and MW-2 the concentrations were below method detection limits for all constituents. The benzene constituent increased in wells MW-3 and MW-4 from the previous sampling event.

In this sampling even, monitoring well MW-4 was analyzed for MtBE by EPA Method 8260 and a concentration of 30.2 ppb was confirmed. Chevron is unable to explain this anomaly since the station facilities were removed in 1978, which was prior to the use of MtBE in Chevron gasoline.

The depth of groundwater varied from 6.12 feet to 7.42 feet below grade with a direction of flow west southwesterly.

99 JUL 14 PM 2:09
ENVIRONMENTAL
PROTECTION

July 12, 1999
Ms Madhulla Logan
Former Chevron Service Station #9-0517
Page 2

Chevron will continue to monitor the site quarterly. If you have any questions or comments call me at (925) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY



Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

Cc. Mr. Bette Owen, Chevron

Mr. Neil B. Goodhue & Mrs. Diane C. Goodhue
300 Hillside Avenue
Piedmont, CA 94611

BLAINE
TECH SERVICES INC.



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

July 7, 1999

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

2nd Quarter 1999 Monitoring at 9-0517

Second Quarter 1999 Groundwater Monitoring at
Former Chevron Service Station Number 9-0517
3900 Piedmont Ave.
Oakland, CA

Monitoring Performed on May 7, 1999

Groundwater Sampling Report 990507-C-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,

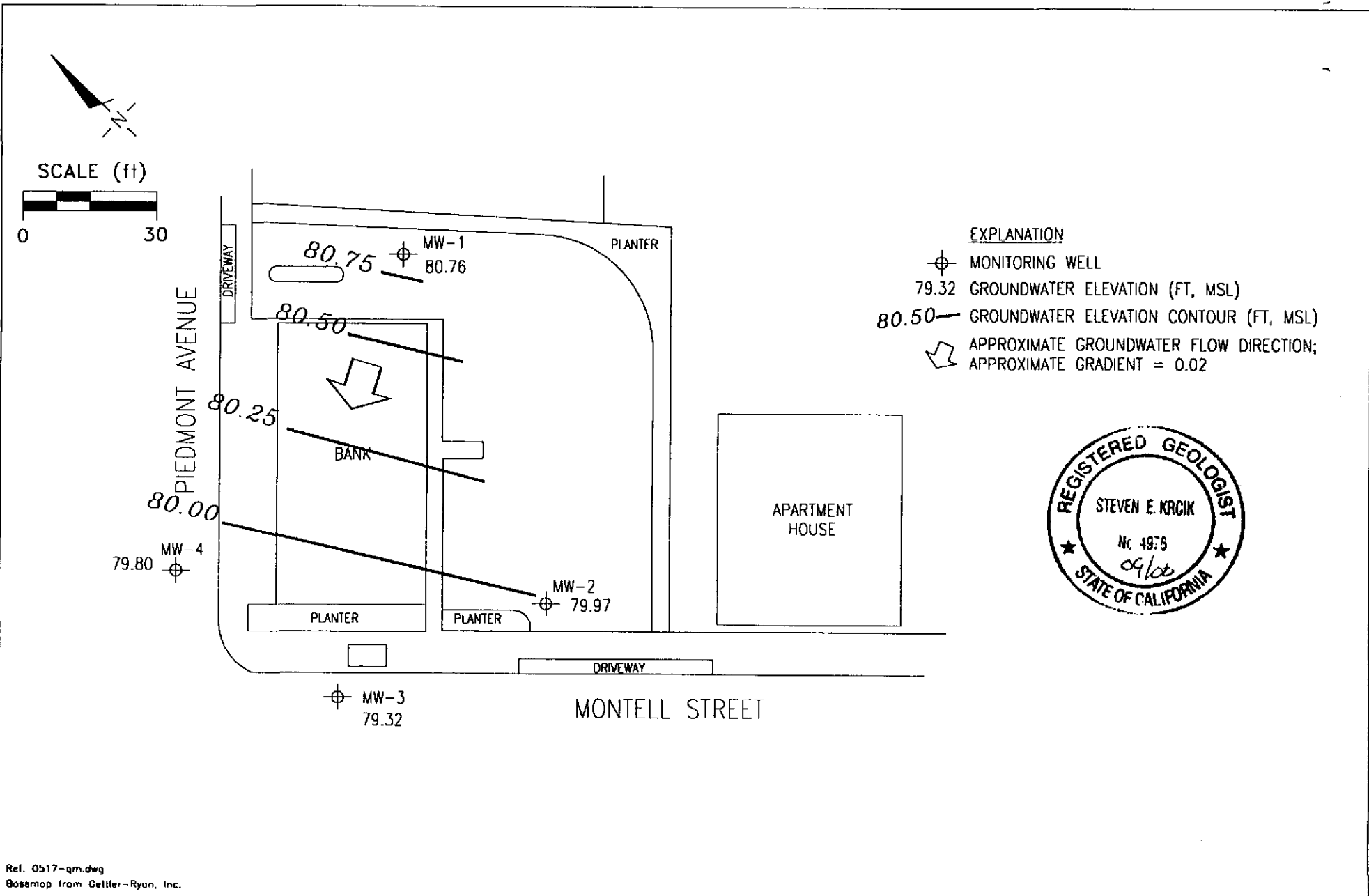


Christine Lillie
Project Coordinator

CAL/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

Former Chevron Station 9-0517
3900 Piedmont Street
Oakland, California

GROUNDWATER ELEVATION CONTOUR MAP,
MAY 7, 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										
08/03/98	87.89	75.46	12.43	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
11/23/98	87.89	78.84	9.05	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0
02/08/99	87.89	81.39	6.50	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/07/99	87.89	80.76	7.13	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
MW-2										
08/03/98	86.09	74.75	11.34	--	<50	<0.5	<0.5	<0.5	<0.5	3.4
11/23/98	86.09	79.19	6.90	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0
02/08/99	86.09	80.86	5.23	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/07/99	86.09	79.97	6.12	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0
MW-3										
08/03/98	86.28	74.20	12.08	--	4000	160	<5.0	<5.0	73	180
11/23/98	86.28	78.59	7.69	--	4000	67.7	7.56	17.1	24.5	41.2
02/08/99	86.28	80.01	6.27	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/07/99	86.28	79.32	6.96	--	1800	53.6	8.96	33	18.6	21.4
MW-4										
08/03/98	87.22	74.30	12.92	--	1900	110	12	<0.5	55	130
11/23/98	87.22	77.82	9.40	--	4080	136	17.8	37.2	30.1	51.8
02/08/99	87.22	79.40	7.82	*	2900	150	16	<5.0	15	230
02/08/99	87.22	79.40	7.82	Confirmation Run	--	--	--	--	--	30.7
05/07/99	87.22	79.80	7.42	--	6050	161	<25	39.8	36.9	<250
05/07/99	87.22	79.80	7.42	Confirmation Run	--	--	--	--	--	30.2

* Chromatogram pattern indicates gas and 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
TRIP BLANK										
08/03/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
11/23/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0
02/08/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5
05/07/99	--	--	--	--	<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 23, 1998. Earlier field data and analytical results are drawn from the August 3, 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-tert-butyl ether

Analytical Appendix



May 27, 1999

Christine Lillie
Blaine Tech Services
1680 Rogers Avenue
San Jose, CA 95112

RE: Chevron(8)/L905112

Dear Christine Lillie:

Enclosed are the results of analyses for sample(s) received by the laboratory on May 10, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Gregory
Project Manager D.M.

CA ELAP Certificate Number I-2360





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(8) Project Number: Chevron 9-0517, 990507-C2 Project Manager: Christine Lillie	Sampled: 5/7/99 Received: 5/10/99 Reported: 5/27/99
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ANALYTICAL REPORT FOR L905112

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW 1	L905112-01	Water	5/7/99
MW 2	L905112-02	Water	5/7/99
MW 3	L905112-03	Water	5/7/99
MW 4	L905112-04	Water	5/7/99
TB	L905112-05	Water	5/7/99





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(8) Project Number: Chevron 9-0517, 990507-C2 Project Manager: Christine Lillie	Sampled: 5/7/99 Received: 5/10/99 Reported: 5/27/99
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Sample Description: MW 1
Laboratory Sample Number: L905112-01

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	9050094	5/20/99	5/20/99		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	"	"	"		5.00	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	70.0-130		78.7	%	





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(8) Project Number: Chevron 9-0517, 990507-C2 Project Manager: Christine Lillie	Sampled: 5/7/99 Received: 5/10/99 Reported: 5/27/99
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Sample Description: MW 2
Laboratory Sample Number: L905112-02

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	9050094	5/20/99	5/20/99		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	"	"	"		5.00	ND	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	"	"	"	70.0-130		77.3	%	





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(8) Project Number: Chevron 9-0517, 990507-C2 Project Manager: Christine Lillie	Sampled: 5/7/99 Received: 5/10/99 Reported: 5/27/99
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Sample Description: MW 3
Laboratory Sample Number: L905112-03

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	9050101	5/21/99	5/21/99		200	1800	ug/l	1
Benzene	"	"	"		2.00	53.6	"	
Toluene	"	"	"		2.00	8.96	"	
Ethylbenzene	"	"	"		2.00	33.0	"	
Xylenes (total)	"	"	"		2.00	18.6	"	
Methyl tert-butyl ether	"	"	"		20.0	21.4	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	70.0-130		98.5	%	

MTBE Confirmation by EPA Method 8260A

Methyl tert-butyl ether	9050072	5/17/99	5/17/99		2.00	3.59	ug/l	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	76.0-114		110	%	





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(8) Project Number: Chevron 9-0517, 990507-C2 Project Manager: Christine Lillie	Sampled: 5/7/99 Received: 5/10/99 Reported: 5/27/99
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Sample Description: MW 4
Laboratory Sample Number: L905112-04

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	9050094	5/20/99	5/20/99		2500	6050	ug/l	
Benzene	"	"	"		25.0	161	"	
Toluene	"	"	"		25.0	ND	"	
Ethylbenzene	"	"	"		25.0	39.8	"	
Xylenes (total)	"	"	"		25.0	36.9	"	
Methyl tert-butyl ether	"	"	"		250	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	70.0-130		74.5	%	

MTBE Confirmation by EPA Method 8260A

Methyl tert-butyl ether	9050072	5/17/99	5/17/99		2.00	30.2	ug/l	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	76.0-114		108	%	





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(8) Project Number: Chevron 9-0517, 990507-C2 Project Manager: Christine Lillie	Sampled: 5/7/99 Received: 5/10/99 Reported: 5/27/99
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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	Reporting Limit Units	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9050094			Date Prepared: 5/20/99		Extraction Method: EPA 5030B [P/T]				
Blank			9050094-BLK1						
Purgeable Hydrocarbons as Gasoline	5/20/99			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	"	5.00			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		10.9	"	70.0-130	109		
LCS			9050094-BS1						
Purgeable Hydrocarbons as Gasoline	5/20/99	250		307	ug/l	70.0-130	123		
Surrogate: a,a,a-Trifluorotoluene	"	10.0		12.4	"	70.0-130	124		
Matrix Spike			9050094-MS1 L905158-03						
Purgeable Hydrocarbons as Gasoline	5/20/99	250	ND	278	ug/l	60.0-140	111		
Surrogate: a,a,a-Trifluorotoluene	"	10.0		11.4	"	70.0-130	114		
Matrix Spike Dup			9050094-MSD1 L905158-03						
Purgeable Hydrocarbons as Gasoline	5/20/99	250	ND	286	ug/l	60.0-140	114	25.0	2.67
Surrogate: a,a,a-Trifluorotoluene	"	10.0		10.2	"	70.0-130	102		
Batch: 9050101			Date Prepared: 5/21/99		Extraction Method: EPA 5030B [P/T]				
Blank			9050101-BLK1						
Purgeable Hydrocarbons as Gasoline	5/21/99			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	"	5.00			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.52	"	70.0-130	85.2		
LCS			9050101-BS1						
Benzene	5/21/99	10.0		8.26	ug/l	70.0-130	82.6		
Toluene	"	10.0		8.32	"	70.0-130	83.2		
Ethylbenzene	"	10.0		8.20	"	70.0-130	82.0		
Xylenes (total)	"	30.0		24.7	"	70.0-130	82.3		
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.50	"	70.0-130	85.0		
Matrix Spike			9050101-MS1 L905158-04						
Benzene	5/21/99	10.0	ND	8.03	ug/l	60.0-140	80.3		
Toluene	"	10.0	ND	8.05	"	60.0-140	80.5		





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(8) Project Number: Chevron 9-0517, 990507-C2 Project Manager: Christine Lillie	Sampled: 5/7/99 Received: 5/10/99 Reported: 5/27/99
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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*
Matrix Spike (continued)		9050101-MS1	L905158-04							
Ethylbenzene	5/21/99	10.0	ND	8.01	ug/l	60.0-140	80.1			
Xylenes (total)	"	30.0	ND	24.3	"	60.0-140	81.0			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		8.37	"	70.0-130	83.7			
Matrix Spike Dup		9050101-MSD1	L905158-04							
Benzene	5/21/99	10.0	ND	7.62	ug/l	60.0-140	76.2	25.0	5.24	
Toluene	"	10.0	ND	7.67	"	60.0-140	76.7	25.0	4.83	
Ethylbenzene	"	10.0	ND	7.60	"	60.0-140	76.0	25.0	5.25	
Xylenes (total)	"	30.0	ND	23.2	"	60.0-140	77.3	25.0	4.67	
Surrogate: a,a,a-Trifluorotoluene	"	10.0		7.75	"	70.0-130	77.5			





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(8) Project Number: Chevron 9-0517, 990507-C2 Project Manager: Christine Lillie	Sampled: 5/7/99 Received: 5/10/99 Reported: 5/27/99
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**MTBE Confirmation by EPA Method 8260A/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*
Batch: 9050072		Date Prepared: 5/17/99			Extraction Method: EPA 5030B (P/T)					
Blank										
Methyl tert-butyl ether	5/17/99			ND	ug/l	2.00				
Surrogate: 1,2-Dichloroethane-d4	"	50.0		53.3	"	76.0-114	107			
LCS										
Methyl tert-butyl ether	5/17/99	50.0		52.0	ug/l	70.0-130	104			
Surrogate: 1,2-Dichloroethane-d4	"	50.0		53.7	"	76.0-114	107			
Matrix Spike										
Methyl tert-butyl ether	5/17/99	50.0	ND	52.0	ug/l	60.0-140	104			
Surrogate: 1,2-Dichloroethane-d4	"	50.0		56.1	"	76.0-114	112			
Matrix Spike Dup										
Methyl tert-butyl ether	5/17/99	50.0	ND	52.4	ug/l	60.0-140	105	25.0	0.957	
Surrogate: 1,2-Dichloroethane-d4	"	50.0		50.7	"	76.0-114	101			





Blaine Tech Services 1680 Rogers Avenue San Jose, CA 95112	Project: Chevron(8) Project Number: Chevron 9-0517, 990507-C2 Project Manager: Christine Lillie	Sampled: 5/7/99 Received: 5/10/99 Reported: 5/27/99
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Notes and Definitions

#	Note
1	Chromatogram Pattern: 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-Reco

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

Chevron Facility Number 9-0517
Facility Address 3900 Piedmont Ave., Oakland
Consultant Project Number 990507-CZ
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
Laboratory Service Code Z202800
Samples Collected by (Name) Christina
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)	TPH Diesel (8015)	Organogenics (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	
MW1 *	3	W	HCl	3/7/99 9:25	X	01												
MW2 +	1			8:40	X	02												
MW3 +	1			9:00	X	03												
MW4 +	1			9:15	X	04												
TB -	2	W	HCl			05												
CONFIRM MTBE HITS ON MW3 & MW4 BY 8260																		

Retinquished By (Signature) <u>[Signature]</u>	Organization <u>BTS</u>	Date/Time <u>5/10/99 1130</u>	Received By (Signature) <u>[Signature]</u>	Organization <u>Seq.</u>	Date/Time <u>5/10/99 1130</u>	Iced <input checked="" type="checkbox"/> Y/N	Turn Around Time (Circle Choice) 24 Hrs. 48 Hrs. 5 Days 10 Days As Contracted
Retinquished By (Signature) <u>[Signature]</u>	Organization <u>Seq.</u>	Date/Time <u>5/10/99 1130</u>	Received By (Signature) <u>[Signature]</u>	Organization	Date/Time	Iced Y/N	
Retinquished By (Signature) <u>[Signature]</u>	Organization	Date/Time	Received For Laboratory By (Signature) <u>[Signature]</u>	Date/Time		Iced <input checked="" type="checkbox"/> Y/N	

46G/07-98/HCH

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>990507-C2</u>	Station #: <u>9-0517</u>
Sampler: <u>CD</u>	Date: <u>5/7/99</u>
Well I.D.: <u>MW1</u>	Well Diameter: <u>(2)</u> 3 4 6 8
Total Well Depth: <u>16.45</u>	Depth to Water: <u>7.13</u>
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 ² * 0.163

Purge Method: <u>Bailer</u> Disposable Bailer <input checked="" type="checkbox"/> Middleburg Electric Submersible Extraction Pump Other: _____	Sampling Method: <u>Bailer</u> Disposable Bailer <input checked="" type="checkbox"/> Extraction Port Other: _____
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<u>1.5</u>	x	<u>3</u>	=	<u>4.5</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
<u>8:17</u>	<u>63.2</u>	<u>6.8</u>	<u>800</u>	<u>2</u>	<u>Shoen</u>
<u>8:19</u>	<u>65.0</u>	<u>6.8</u>	<u>600</u>	<u>4</u>	<u>3 Patsy & Shoen</u>
<u>8:21</u>	<u>64.8</u>	<u>6.7</u>	<u>600</u>	<u>5</u>	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: <u>5</u>
Sampling Time: <u>8:25</u>	Sampling Date: <u>5/7/99</u>
Sample I.D.: <u>MW-1</u>	Laboratory: <u>(Sequoia)</u> CORE N. Creek Assoc. Labs
Analyzed for: <u>(TPH-G BTEX MTBE)</u> TPH-D Other:	
Duplicate I.D.:	Analyzed for: TPH-G BTEX MTBE TPH-D Other:
D.O. (if req'd):	Pre-purge: <u>mg/L</u> Post-purge: <u>mg/L</u>
O.R.P. (if req'd):	Pre-purge: <u>mV</u> Post-purge: <u>mV</u>

CHEVRON WELL MONITORING DATA SHEET

Project #: 990307-C2	Station #: 9-0517
Sampler: CB	Date: 5/7/99
Well I.D.: MW2	Well Diameter: (2) 3 4 6 8
Total Well Depth: 16.43	Depth to Water: 6.12
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: _____
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1.6	x	3	=	4.8	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
8:31	66.6	6.5	500	2	Shoen
8:33	66.6	6.5	400	4	
8:35	66.2	6.5	400	5	

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Gallons actually evacuated: 5
Sampling Time: 8:40	Sampling Date: 5/7/99
Sample I.D.: MW2	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: <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 #: 990507-CZ	Station #: 9-0517
Sampler: CB	Date: 5/7/99
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8
Total Well Depth: 17.55	Depth to Water: 6.96
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: <u>Bailer</u> Disposable Bailer Middleburg Electric Submersible Extraction Pump Other: _____	Sampling Method: <u>Bailer</u> Disposable Bailer Extraction Port Other: _____
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1.7	x	3	=	5.1	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
8:53	65.6	6.6	400	2	Shoen/oda
8:54	65.0	6.6	500	4	
8:56	65.6	6.6	500	5.5	

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Gallons actually evacuated: 5.5
Sampling Time: 9:00	Sampling Date: 5/7/99
Sample I.D.: MW 3	Laboratory: (Sequoia) CORE N. Creek Assoc. I

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

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>990507-C2</u>	Station #: <u>9-0517</u>
Sampler: <u>CR</u>	Date: <u>5/7/99</u>
Well I.D.: <u>MW4</u>	Well Diameter: <u>(2)</u> 3 4 6 8
Total Well Depth: <u>16.25</u>	Depth to Water: <u>7.42</u>
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 ² * 0.165

Purge Method: Bailer Sampling Method: Bailer
 Disposable Bailer ✓ Disposable Bailer ✓
 Middleburg Extraction Port
 Electric Submersible Other: _____
 Extraction Pump
 Other: _____

<u>1.4</u>	x	<u>3</u>	=	<u>4.2</u> Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
<u>9:05</u>	<u>63.4</u>	<u>6.8</u>	<u>700</u>	<u>2</u>	<u>Shen w/odor</u>
<u>9:07</u>	<u>63.8</u>	<u>6.7</u>	<u>700</u>	<u>4</u>	
<u>9:09</u>	<u>64.0</u>	<u>6.7</u>	<u>700</u>	<u>5</u>	

Did well dewater? Yes No Gallons actually evacuated: 5

Sampling Time: 9:15 Sampling Date: 5/7/99

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