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ENVIRONMENTAL PROTECTION

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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) 842-9370

Date: 3-17-00

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

March 17, 2000

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

1st Quarter 2000 Monitoring at 9-8341

First Quarter 2000 Groundwater Monitoring at
Chevron Service Station Number 9-8341
3530 MacArthur Blvd.
Oakland, CA

Monitoring Performed on January 21, 2000

Groundwater Sampling Report **000121-R-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**.

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,

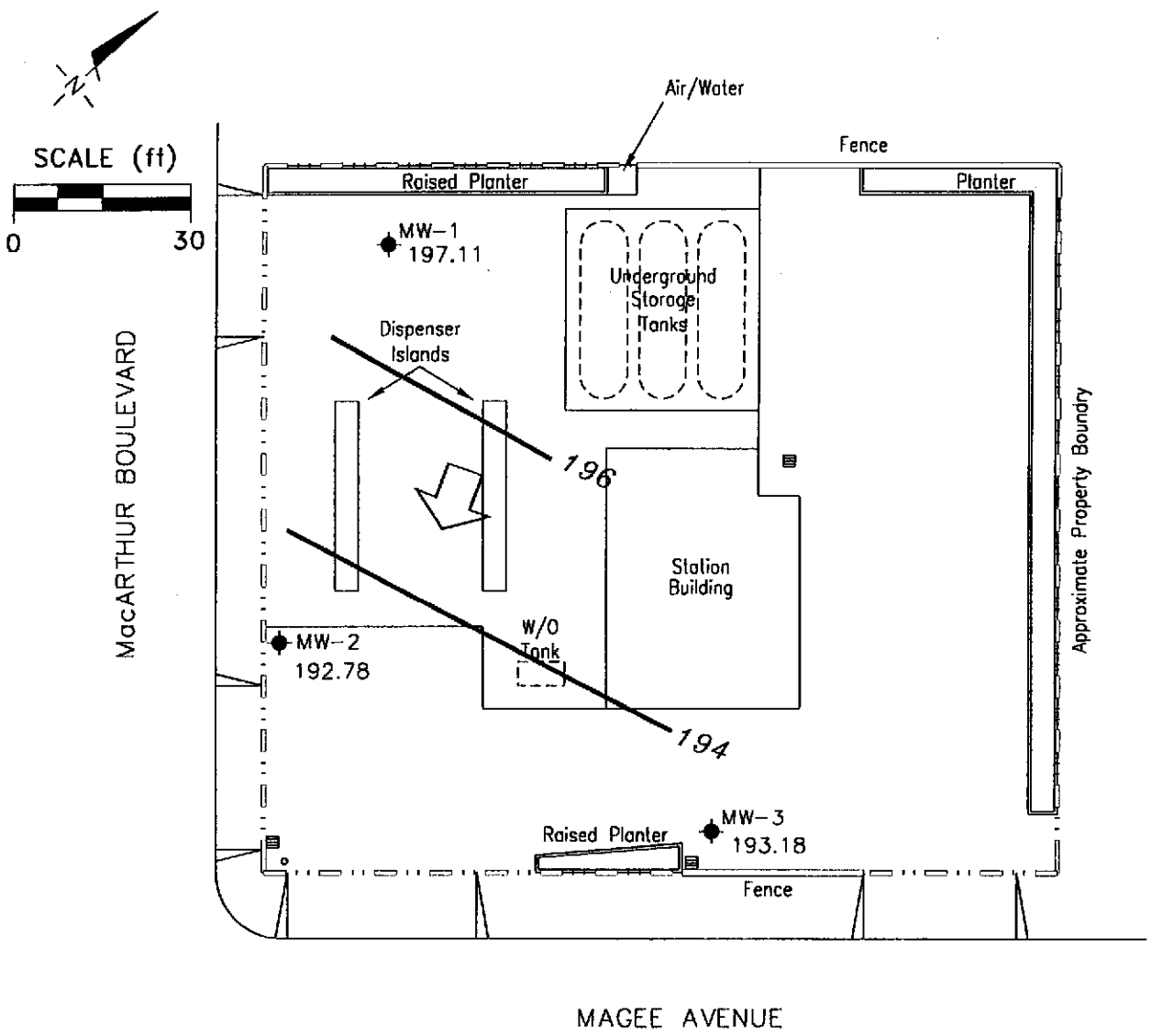
Scott Boor
Project Coordinator

SB/pb

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
- 197.11 Groundwater elevation (ft, msl)
- 194 Groundwater elevation contour (ft, msl)
- Approximate groundwater flow direction; Approximate gradient = 0.06

REGISTERED GEOLOGIST
STEVEN E. KRCIK
No. 1976
9/00
STATE OF CALIFORNIA

Ref. Gettler-Ryan, Inc.

PREPARED BY
RRM
engineering contracting firm

Chevron Station 9-8341
3530 MacArthur Boulevard
Oakland, California

GROUNDWATER ELEVATION CONTOUR MAP, JANUARY 21, 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. 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
01/21/00	202.47	197.11	5.36	--	<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
01/21/00	198.88	192.78	6.10	--	69.6	<0.5	<0.5	<0.5	<0.5	1110

* 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
01/21/00	199.10	193.18	5.92	--	<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
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
01/21/00	--	--	--	--	<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

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

February 11, 2000

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

RE: Chevron 9-8341/MJA0064

Dear Scott Boor

Enclosed are the results of analyses for sample(s) received by the laboratory on January 24, 2000. Chromatograms for unidentified hydrocarbons are included in this report. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wendy Bonnes
Project Manager

CA ELAP Certificate Number 1210

Sequoia Analytical

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

Blaine Tech Services (Chev)	Project:	Chevron 9-8341 (3530 MacArthur, Oakland)	Sampled:	1/21/00
1680 Rogers Avenue	Project Number:	000121 R-1	Received:	1/24/00
San Jose, CA 95112	Project Manager:	Scott Boor	Reported:	2/11/00 13:58

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	MJA0064-01	Water	1/21/00
MW-2	MJA0064-02	Water	1/21/00
MW-3	MJA0064-03	Water	1/21/00
TB	MJA0064-04	Water	1/21/00

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Wendy Bonnes, Project Manager

Sequoia Analytical

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

Blaine Tech Services (Chev)	Project:	Chevron 9-8341 (3530 MacArthur, Oakland)	Sampled:	1/21/00
1680 Rogers Avenue	Project Number:	000121 R-1	Received:	1/24/00
San Jose, CA 95112	Project Manager:	Scott Boor	Reported:	2/11/00 13:58

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Morgan Hill

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-1			**MJA0064-01**				**Water**	
Purgeable Hydrocarbons	0A28006	1/28/00	1/28/00	DHS LUFT	50.0	ND	ug/l	
Benzene	"	"	"	DHS LUFT	0.500	ND	"	
Toluene	"	"	"	DHS LUFT	0.500	ND	"	
Ethylbenzene	"	"	"	DHS LUFT	0.500	ND	"	
Xylenes (total)	"	"	"	DHS LUFT	0.500	ND	"	
Methyl tert-butyl ether	"	"	"	DHS LUFT	2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70-130*		*100*	%	
MW-2			**MJA0064-02**				**Water**	
Purgeable Hydrocarbons	0A28006	1/28/00	1/28/00	DHS LUFT	50.0	**69.6**	ug/l	P-03
Benzene	"	"	"	DHS LUFT	0.500	ND	"	
Toluene	"	"	"	DHS LUFT	0.500	ND	"	
Ethylbenzene	"	"	"	DHS LUFT	0.500	ND	"	
Xylenes (total)	"	"	"	DHS LUFT	0.500	ND	"	
Methyl tert-butyl ether	"	"	"	DHS LUFT	25.0	**1110**	"	M-03
Surrogate: a,a,a-Triflucrotoluene	"	"	"	*70-130*		*105*	%	
MW-3			**MJA0064-03**				**Water**	
Purgeable Hydrocarbons	0A28006	1/28/00	1/28/00	DHS LUFT	50.0	ND	ug/l	
Benzene	"	"	"	DHS LUFT	0.500	ND	"	
Toluene	"	"	"	DHS LUFT	0.500	ND	"	
Ethylbenzene	"	"	"	DHS LUFT	0.500	ND	"	
Xylenes (total)	"	"	"	DHS LUFT	0.500	ND	"	
Methyl tert-butyl ether	"	"	"	DHS LUFT	2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70-130*		*97.0*	%	
TB			**MJA0064-04**				**Water**	
Purgeable Hydrocarbons	0A28005	1/28/00	1/28/00	DHS LUFT	50.0	ND	ug/l	
Benzene	"	"	"	DHS LUFT	0.500	ND	"	
Toluene	"	"	"	DHS LUFT	0.500	ND	"	
Ethylbenzene	"	"	"	DHS LUFT	0.500	ND	"	
Xylenes (total)	"	"	"	DHS LUFT	0.500	ND	"	
Methyl tert-butyl ether	"	"	"	DHS LUFT	2.50	ND	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70-130*		*100*	%	

Sequoia Analytical

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

Blaine Tech Services (Chev)	Project:	Chevron 9-8341 (3530 MacArthur, Oakland)	Sampled: 1/21/00
1680 Rogers Avenue	Project Number:	000121 R-1	Received: 1/24/00
San Jose, CA 95112	Project Manager:	Scott Boor	Reported: 2/11/00 13:58

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0A28005	**Date Prepared: 1/28/00**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**0A28005-BLK1**									
Purgeable Hydrocarbons	1/28/00			**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**	"	**2.50**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.1*	"	*70-130*	*101*			
LCS	**0A28005-BS1**									
Purgeable Hydrocarbons	1/28/00	250		270	ug/l	70-130	108			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*13.6*	"	*70-130*	*136*			*S-03*
Matrix Spike	**0A28005-MS1**	**MJA0019-03**								
Purgeable Hydrocarbons	1/28/00	250	ND	299	ug/l	60-140	**120**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*12.0*	"	*70-130*	*120*			
Matrix Spike Dup	**0A28005-MSD1**	**MJA0019-03**								
Purgeable Hydrocarbons	1/28/00	250	ND	302	ug/l	60-140	**121**	25	**0.998**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*12.4*	"	*70-130*	*124*			
Batch: 0A28006	**Date Prepared: 1/28/00**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**0A28006-BLK1**									
Purgeable Hydrocarbons	1/28/00			**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**	"	**2.50**				
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.86*	"	*70-130*	*98.6*			
LCS	**0A28006-BS1**									
Purgeable Hydrocarbons	1/28/00	250		237	ug/l	70-130	94.8			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*10.9*	"	*70-130*	*109*			
Matrix Spike	**0A28006-MS1**	**MJA0064-01**								
Purgeable Hydrocarbons	1/28/00	250	ND	231	ug/l	60-140	**92.4**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.53*	"	*70-130*	*85.3*			

Sequoia Analytical

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

Blaine Tech Services (Chev)	Project:	Chevron 9-8341 (3530 MacArthur, Oakland)	Sampled: 1/21/00
1680 Rogers Avenue	Project Number:	000121 R-1	Received: 1/24/00
San Jose, CA 95112	Project Manager:	Scott Boor	Reported: 2/11/00 13:58

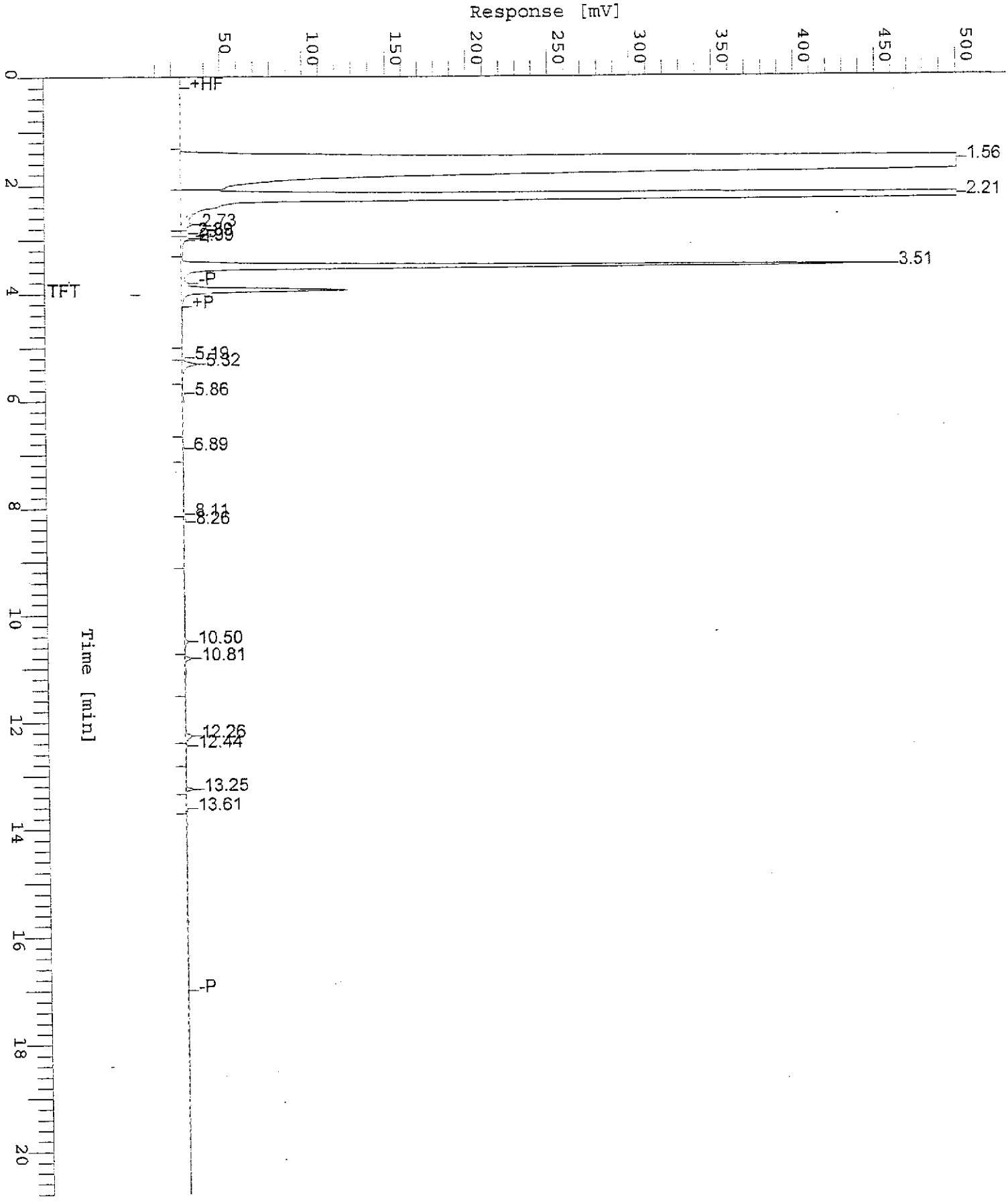
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Matrix Spike Dup	**0A28006-MSD1**		**MJA0064-01**							
Purgeable Hydrocarbons	1/28/00	250	ND	236	ug/l	60-140	**94.4**	25	**2.14**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*8.55*	"	*70-130*	*85.5*			

Chromatogram

Sample Name : MJA0064-02
FileName : S:\GHP_30\0130\128A006.raw
Method : TPH
Start Time : 0.00 min End Time : 20.82 min
Scale Factor: -1.0 Plot Offset: 1 mV

Sample #: MW-2 Page 1 of 1
Date : 1/28/00 10:27
Time of Injection: 1/28/00 10:06
Low Point : 0.54 mV High Point : 500.54 mV
Plot Scale: 500.0 mV



Sequoia Analytical

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Blaine Tech Services (Chev)	Project:	Chevron 9-8341 (3530 MacArthur, Oakland)	Sampled:	1/21/00
1680 Rogers Avenue	Project Number:	000121 R-1	Received:	1/24/00
San Jose, CA 95112	Project Manager:	Scott Boor	Reported:	2/11/00 13:58

Notes and Definitions

#	Note
M-03	Sample was analyzed at a second dilution per clients request.
P-03	Chromatogram Pattern: Unidentified Hydrocarbons C6-C12
S-03	The surrogate recovery for this sample is outside of established control limits. Review of associated QC indicates the recovery for this surrogate does not represent an out-of-control condition.
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: 9-8341
Facility Address: 3530 MacArthur, Oakland
Consultant Project Number: 000121R-1
Consultant Name: Blaine Tech Services, Inc.
Address: 1680 Rogers Ave., San Jose
Project Contact (Name): Scott Boor
(Phone) 408-573-0555 (Fax) 408-573-7771

Chevron Contact Name: Brett Hunter
(Phone): (925) 842-8695
Laboratory Name: Sequoia
Laboratory Service Order: 9144488 MBA 0064
Laboratory Service Code: ZZ02790
Samples collected by (Name):
Signature:

State Method: ☑ CA ☐ OR ☐ WA ☐ NW Series ☐ CO ☐ UT

Sample Number	Number of Containers	Matrix S = Soil W = Water A = Air C = Charcoal	Sample Preservation	Date/Time	BTEX/MTBE + TPH GAS (8020 + 8015)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oxygenates (8260)	Purgeable Halocarbons (8010)	Purgeable Organics (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						Remarks / Lab Sample No.
MW-1	3	W	X	1/21 9:18	X																		1
MW-2	↓	↓	X	10:14	↓																		2
MW-3	↓	↓	X	9:48	↓																		3
TB	2	↓	X	↓ 10:20	↓																		4
																							5

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N
	BTS	1-24 8:40			1-24 8:39	
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N
			BN		1/24 10:40	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	Iced Y/N

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

COC-3 DK(5/07-98/HCH)

Field
Data
Sheets

WELL GAUGING DATA

Project # 000121R1 Date 1-21-00 Client Chevron

Site 3530 MacArthur Blvd. Oakland, CA

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					5.36	29.96		
MW-2	2					6.10	33.45		
MW-3	2					5.92	33.00	↓	

CHEVRON WELL MONITORING DATA SHEET

Project #: 000121 R-1	Station #: 9-8341
Sampler: JR	Date: 1-21-00
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 29.96	Depth to Water: 5.36
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) 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: _____

3.9	(Gals.) X	3	=	11.7	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^2 * 0.163

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
9:05	67.8	7.3	623	4	turbid
9:09	68.3	7.2	598	8	/
9:13	68.5	7.2	575	12	/

Did well dewater? Yes (No)		Gallons actually evacuated: 12	
Sampling Time: 9:18		Sampling Date: 1-21-00	
Sample I.D.: MW-1		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 #: 000121 R-1	Station #: 9-8341
Sampler: JR	Date: 1-21-00
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 33.45	Depth to Water: 6.10
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) 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: _____

4.3 (Gals.) X	3	=	12.9 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^2 * 0.163

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
10:00	69.3	7.1	851	4.5	cloudy
10:05	69.7	7.0	835	9	/
10:09	69.9	7.0	803	13	/

Did well dewater? Yes (No)	Gallons actually evacuated: 13
Sampling Time: 10:14	Sampling Date: 1-21-00
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
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 000121 R-1	Station #: 9-8341
Sampler: JR	Date: 1-21-00
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 33.00	Depth to Water: 5.92
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) 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: _____

4.3 (Gals.) X 3 = 12.9 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^2 * 0.163

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
9:30	70.1	7.0	591	4.5	Cloudy
9:35	69.8	6.9	555	9	well under +
9:39	69.7	7.0	542	13	pressure

Did well dewater? Yes (No) Gallons actually evacuated: 13

Sampling Time: 9:44 Sampling Date: 1-21-00

Sample I.D.: MW-3 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