#541

Chevron

May 18, 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

Mr. Barney Chan
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Chevron Service Station #9-1851
451 Hegenberger Road
Oakland, California

Dear Mr. Chan:

Enclosed is the First Quarter Groundwater Monitoring Report for 1998 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. Your letter of April 10, 1998 approved the discontinuance for the sampling of VOC's in monitoring well M-2.

The concentrations of the TPH-g and BTEX constituents were below method detection in monitoring wells MW-1 and MW-3 while in well MW-4 the BTEX constituents were below method detection limits of less than 5.0 ppb. The benzene concentration increased slightly in well MW-2 from the previous sampling event. It appears that the benzene increase detected in all of the wells, which was reported in the third quarter, was an anomaly, as the last two sampling events have confirmed.

The depth to ground water varied from 3.04 feet to 3.78 feet below grade with a direction of flow westerly.

EPA Method 8260 confirmed MtBE in all wells in this sampling event.

99 MAY 21 PM 3:13

ENVIRONMENTAL PROTECTION

Chevron will continue to monitor the site quarterly. 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. Bill Scudder, Chevron

Mr. Ben Shimek
451 Hegenberger Road
Oakland, CA 94621

BLAINE
TECH SERVICES INC

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

May 13, 1999

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

1st Quarter 1999 Monitoring at 9-1851

First Quarter 1999 Groundwater Monitoring at
Chevron Service Station Number 9-1851
451 Hegenberger Rd.
Oakland, CA

Monitoring Performed on March 11, 1999

Groundwater Sampling Report **990311-K-3**

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,

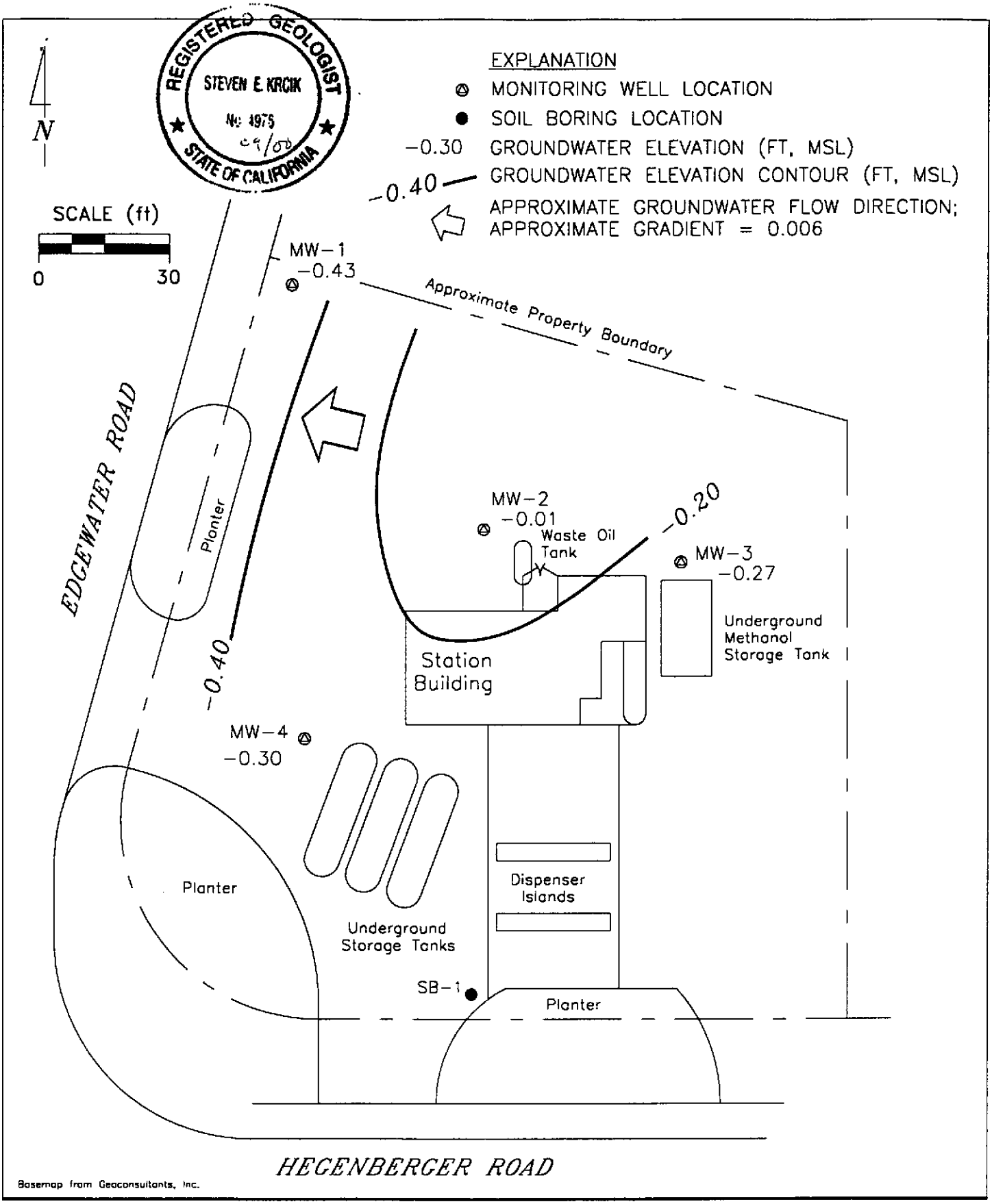
Christine Lillie

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



Basemap from Geoconsultants, Inc.

PREPARED BY

RRM
engineering contracting firm

Chevron Station 9-1851
451 Hegenberger Road
Oakland, California

GROUNDWATER ELEVATION CONTOUR MAP, MARCH 11, 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	TOG	TPH-Diesel	Benzene by (EPA 8240)	Xylene by (EPA 8240)	C-1, 2-DCE	Carbon Disulfide	Vinyl Chloride	MTBE
MW-1																	
10/17/95	2.61	-1.51	4.12	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
03/29/96	2.61	-0.72	3.33	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	9.5
06/26/96	2.61	-1.23	3.84	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	46
09/25/96	2.61	-1.41	4.02	--	<250	<2.5	<2.5	<2.5	<2.5	--	--	--	--	--	--	--	940
12/17/96	2.61	-0.96	3.57	--	<50	0.86	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	260
03/20/97	2.61	-1.54	4.15	--	<50	<2.0	<2.0	<2.0	<2.0	--	--	--	--	--	--	--	76
06/20/97	2.61	-1.72	4.33	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	64
09/09/97	2.61	-1.74	4.35	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	110
12/12/97	2.61	-0.39	3.00	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	27
02/19/98	2.61	0.78	1.83	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	14
06/23/98	2.61	-0.73	3.34	***	210	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	3400
08/31/98	2.61	-0.88	3.49	***	1400	630	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	16,000
12/29/98	2.61	-1.22	3.83	--	<500	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	1090
03/11/99	2.61	-0.43	3.04	***	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	33.9

← error ?

54.1

8020 / 8260A

*** See Table of Additional Analyses

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	TOG	TPH-Diesel	Benzene by (EPA 8240)	Xylene by (EPA 8240)	C-1, 2-DCE	Carbon Disulfide	Vinyl Chloride	MTBE
MW-2																	
10/17/95	3.51	-1.82	5.33	*	170	3.5	<0.5	1.0	6.1	5000	1600**	--	--	11	--	--	--
03/29/96	3.51	-0.44	3.95	--	89	4.7	<0.5	0.64	0.74	--	3000**	11	2.5	17	--	5.4	21
06/26/96	3.51	-1.09	4.60	--	80	8.7	<0.5	1.2	1.3	--	2000**	11	<2.0	15	--	12	31
09/25/96	3.51	--	--	Inaccessible	--	--	--	--	--	--	--	--	--	--	--	--	--
12/17/96	3.51	-0.41	3.92	--	110	<0.5	<0.5	0.75	2.1	--	2400**	10	<2.0	2.3	--	5.5	27
03/20/97	3.51	-1.32	4.83	--	140	8.2	<2.0	<2.0	<2.0	--	3400**	--	--	<2.0	--	3.2	58
06/20/97	3.51	-1.53	5.04	--	62	7.7	<0.5	<0.5	<0.5	--	1600**	7.2	<2.0	4.6	2.2	5.2	38
09/09/97	3.51	-1.47	4.98	--	190	9.4	<0.5	<0.5	0.86	--	82**	11	<2.0	<2.0	<2.0	<2.0	48
12/12/97	3.51	-0.40	3.91	--	180	1.8	<0.5	<0.5	3.2	--	8500**	<2.0	<2.0	<2.0	<2.0	<2.0	34
02/19/98	3.51	0.55	2.96	--	<100	1.8	<1.0	<1.0	<1.0	--	3800**	<3.3	<3.3	<3.3	<3.3	<3.3	230
06/23/98	3.51	-0.54	4.05	***	60	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	55
08/31/98	3.51	-0.80	4.31	--	61	2.2	<0.5	<0.5	1.1	--	--	--	--	--	--	--	53
12/29/98	3.51	-1.12	4.63	--	54	1.32	<0.5	<0.5	0.752	--	--	--	--	--	--	--	38.1
03/11/99	3.51	-0.01	3.52	***	648	2.88	<2.0	<2.0	<2.0	--	--	--	--	--	--	--	73.2

* Results of EPA 8010 test indicates that the detection of 1,1-Dichloroethane is 1.7 ppb.
** Chromatogram pattern indicates an unidentified hydrocarbon.
*** See Table of Additional Analyses

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	TOG	TPH-Diesel	Benzene (EPA 8240)	Xylene (EPA 8240)	1, 2-DCE	Carbon Disulfide	Vinyl Chloride	MTBE
MW-3																	
10/17/95	3.08	-1.34	4.42	***	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
03/29/96	3.08	0.08	3.00	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	26
06/26/96	3.08	-0.52	3.60	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	47
09/25/96	3.08	-1.06	4.14	--	<125	<1.2	<1.2	<1.2	<1.2	--	--	--	--	--	--	--	570
12/17/96	3.08	-0.12	3.20	--	<500	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	680
03/20/97	3.08	-0.22	3.30	--	<50	<5.7	<5.7	<5.7	<5.7	--	--	--	--	--	--	--	430
06/20/97	3.08	-0.78	3.86	--	<500	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	1400
09/09/97	3.08	-1.11	4.19	--	76**	22	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	920
12/12/97	3.08	0.12	2.96	--	52	15	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	710
02/19/98	3.08	0.86	2.22	--	<50	6.6	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	380
06/23/98	3.08	-0.17	3.25	*	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	390
08/31/98	3.08	-0.78	3.86	--	<50	19	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	830
12/29/98	3.08	-0.45	3.53	--	<250	<2.5	<2.5	<2.5	<2.5	--	--	--	--	--	--	--	416
03/11/99	3.08	-0.27	3.35	*	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	262 / 580
MW-4																	
10/17/95	3.48	-1.60	5.08	--	<125	<1.2	<1.2	<1.2	<1.2	--	--	--	--	--	--	--	--
03/29/96	3.48	-1.13	4.61	--	<1000	<10	<10	<10	<10	--	--	--	--	--	--	--	6700
06/26/96	3.48	-0.82	4.30	--	<2000	<20	<20	<20	<20	--	--	--	--	--	--	--	7200
09/25/96	3.48	-1.85	5.33	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<2.5
12/17/96	3.48	0.67	2.81	--	<2000	120	<20	<20	<20	--	--	--	--	--	--	--	11,000
03/20/97	3.48	-1.02	4.50	--	250**	<2.0	<2.0	<2.0	<2.0	--	--	--	--	--	--	--	10,000
03/20/97	3.48	-1.02	4.50	Conf. run	--	--	--	--	--	--	--	--	--	--	--	--	8600
06/20/97	3.48	-2.20	5.68	--	<2500	<25	<25	<25	<25	--	--	--	--	--	--	--	9300
09/09/97	3.48	-2.02	5.50	--	460**	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	6600
12/12/97	3.48	-1.55	5.03	--	430**	120	<2.5	<2.5	<2.5	--	--	--	--	--	--	--	7800
02/19/98	3.48	0.13	3.35	--	510**	130	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	6600
06/23/98	3.48	-1.50	4.98	*	550**	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	6800
08/31/98	3.48	-1.94	5.42	--	<500	450	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	14,000
12/29/98	3.48	-1.58	5.06	--	<5000	<50	<50	<50	<50	--	--	--	--	--	--	--	16,100
03/11/99	3.48	-0.30	3.78	*	979	<5.0	<5.0	<5.0	<5.0	--	--	--	--	--	--	--	15,100 / 17,600

* See Table of Additional Analyses
** Chromatogram pattern indicates an unidentified hydrocarbon.
*** Results of EPA 8015 test indicates that levels of Methanol and Methyl ethyl ketone are respectively <1000 and <200 ppb.

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	TOG	TPH-Diesel	Benzene (EPA 8240)	Xylene (EPA 8240)	1, 2-DCE	Carbon Disulfide	Vinyl Chloride	MTBE
TRIP BLANK																	
10/17/95																	
03/29/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	--
06/26/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<2.5
09/25/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<2.5
12/17/96	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<2.5
03/20/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<2.5
06/20/97	--	--	--	--	<50	<2.0	<2.0	<2.0	<2.0	--	--	--	--	--	--	--	--
09/09/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<2.5
12/12/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<2.5
02/19/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<2.5
06/23/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<2.5
08/31/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<2.5
12/29/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<2.0
03/11/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	--	<5.0

ADDITIONAL ANALYSES

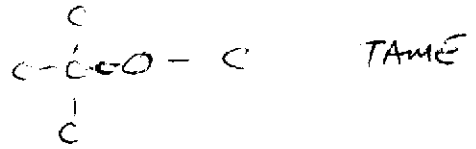
Vertical Measurements are in feet. Analytical values are in parts per billion (ppb)

Cumulative Table of Well Data and Analytical Results

ADDITIONAL ANALYSES

Vertical Measurements are in feet. Analytical values are in parts per billion (ppb)

DATE	Notes	Ethanol	t-Butanol	MTBE	DIPE	ETBE	TAME
MW-1							
06/23/98	--	<50000	<10000	4500	<200	<200	<200
08/31/98	--	--	--	17,000	--	--	--
03/11/99	--	--	--	54.1	--	--	--
MW-2							
06/23/98	--	<500	<100	56	<2.0	<2.0	<2.0
03/11/99	--	--	--	101	--	--	--
MW-3							
06/23/98	--	<5000	<1000	420	<20	<20	26
03/11/99	--	--	--	580	--	--	--
MW-4							
06/23/98	--	<50000	<10000	11,000	<200	<200	860
03/11/99	--	--	--	17,600	--	--	--
TRIP BLANK							
03/11/99	--	--	--	<2.0	--	--	--



Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on March 29, 1996. Earlier field data and analytical results are drawn from the December 29, 1995 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.
TOG = Total Oil Grease
MTBE = Methyl t-butyl Ether
DIPE = Di-Isopropl Ether
ETBE = Ethyl t-Butyl Ether
TAME = t-Amyl Methyl Ether
C-1,2 DCE = Cis-1,2-Dichloroethylene
Conf. run = Confirmation run

Analytical Appendix

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342
1551 Industrial Road, San Carlos, CA 94070-4111, (650) 232-9600, FAX (650) 232-9612

March 31, 1999

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

RE: Chevron(5)/L903115

Dear Christine Lillie:

Enclosed are the results of analyses for sample(s) received by the laboratory on March 12, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Mike Gregory
Project Manager D.M.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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Blaine Tech Services	Project:	Chevron(5)	Sampled:	3/11/99
1680 Rogers Avenue	Project Number:	Chevron 9-1851, 990311-K3	Received:	3/12/99
San Jose, CA 95112	Project Manager:	Christine Lillie	Reported:	3/31/99

ANALYTICAL REPORT FOR L903115

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	L903115-01	Water	3/11/99
MW-2	L903115-02	Water	3/11/99
MW-3	L903115-03	Water	3/11/99
MW-4	L903115-04	Water	3/11/99
TB	L903115-05	Water	3/11/99

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
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1551 Industrial Road, San Carlos, CA 94070-4111, (650) 232-9600, FAX (650) 232-9612

Blaine Tech Services	Project:	Chevron(5)	Sampled:	3/11/99
1680 Rogers Avenue	Project Number:	Chevron 9-1851, 990311-K3	Received:	3/12/99
San Jose, CA 95112	Project Manager:	Christine Lillie	Reported:	3/31/99

Sample Description: **MW-1**
Laboratory Sample Number: **L903115-01**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	9030059	3/17/99	3/17/99		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	**33.9**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*96.5*	*%*	
MTBE by EPA Method 8260A								
Methyl tert-butyl ether	9030051	3/16/99	3/16/99		2.00	**54.1**	ug/l	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*76.0-114*		*106*	*%*	

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1551 Industrial Road, San Carlos, CA 94070-4111, (650) 232-9600, FAX (650) 232-9612

Blaine Tech Services	Project:	Chevron(5)	Sampled: 3/11/99
1680 Rogers Avenue	Project Number:	Chevron 9-1851, 990311-K3	Received: 3/12/99
San Jose, CA 95112	Project Manager:	Christine Lillie	Reported: 3/31/99

Sample Description: **MW-2**
Laboratory Sample Number: **L903115-02**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
			Sequoia Analytical - San Carlos					
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	9030060	3/17/99	3/17/99		200	**648**	ug/l	1
Benzene	"	"	"		2.00	**2.88**	"	
Toluene	"	"	"		2.00	ND	"	
Ethylbenzene	"	"	"		2.00	ND	"	
Xylenes (total)	"	"	"		2.00	ND	"	
Methyl tert-butyl ether	"	"	"		20.0	**73.2**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*122*	%	
MTBE by EPA Method 8260A								
Methyl tert-butyl ether	9030051	3/16/99	3/16/99		2.00	**101**	ug/l	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*76.0-114*		*107*	%	

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Blaine Tech Services	Project:	Chevron(5)	Sampled:	3/11/99
1680 Rogers Avenue	Project Number:	Chevron 9-1851, 990311-K3	Received:	3/12/99
San Jose, CA 95112	Project Manager:	Christine Lillie	Reported:	3/31/99

Sample Description: **MW-3**
Laboratory Sample Number: **L903115-03**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	9030065	3/16/99	3/16/99		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	**262**	"	
Surrogate: a,a,a-Trifluorotoluene	"	"	"	*70.0-130*		*93.6*	*%*	
MTBE by EPA Method 8260A								
Methyl tert-butyl ether	9030051	3/16/99	3/16/99		10.0	**580**	ug/l	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*76.0-114*		*109*	*%*	

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Blaine Tech Services	Project:	Chevron(5)	Sampled:	3/11/99
1680 Rogers Avenue	Project Number:	Chevron 9-1851, 990311-K3	Received:	3/12/99
San Jose, CA 95112	Project Manager:	Christine Lillie	Reported:	3/31/99

Sample Description: **MW-4**
Laboratory Sample Number: **L903115-04**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	9030065	3/16/99	3/16/99		500	**979**	ug/l	1
Benzene	"	"	"		5.00	ND	"	
Toluene	"	"	"		5.00	ND	"	
Ethylbenzene	"	"	"		5.00	ND	"	
Xylenes (total)	"	"	"		5.00	ND	"	
Methyl tert-butyl ether	9030061	3/17/99	3/17/99		500	**15100**	"	
Surrogate: a,a,a-Trifluorotoluene	9030065	3/16/99	3/16/99	*70.0-130*		*88.7*	%	
MTBE by EPA Method 8260A								
Methyl tert-butyl ether	9030051	3/16/99	3/17/99		250	**17600**	ug/l	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*76.0-114*		*111*	%	

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Blaine Tech Services	Project:	Chevron(5)	Sampled: 3/11/99
1680 Rogers Avenue	Project Number:	Chevron 9-1851, 990311-K3	Received: 3/12/99
San Jose, CA 95112	Project Manager:	Christine Lillie	Reported: 3/31/99

Sample Description: **TB**
Laboratory Sample Number: **L903115-05**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method/ Surrogate Limits	Reporting Limit	Result	Units	Notes*
Sequoia Analytical - San Carlos								
Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT								
Purgeable Hydrocarbons as Gasoline	9030065	3/16/99	3/16/99		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*		*87.0*	%	
MTBE by EPA Method 8260A								
Methyl tert-butyl ether	9030051	3/16/99	3/16/99		2.00	ND	ug/l	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*76.0-114*		*108*	%	

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Blaine Tech Services	Project:	Chevron(5)	Sampled: 3/11/99
1680 Rogers Avenue	Project Number:	Chevron 9-1851, 990311-K3	Received: 3/12/99
San Jose, CA 95112	Project Manager:	Christine Lillie	Reported: 3/31/99

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*
Batch: 9030059	**Date Prepared: 3/17/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9030059-BLK1**									
Purgeable Hydrocarbons as Gasoline	3/17/99			**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*		*9.55*	"	*70.0-130*	*95.5*			
LCS	**9030059-BS1**									
Benzene	3/17/99	10.0		10.3	ug/l	70.0-130	103			
Toluene	"	10.0		10.6	"	70.0-130	106			
Ethylbenzene	"	10.0		10.7	"	70.0-130	107			
Xylenes (total)	"	30.0		32.4	"	70.0-130	108			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.40*	"	*70.0-130*	*94.0*			
Matrix Spike	**9030059-MS1**		**L903115-01**							
Benzene	3/17/99	10.0	ND	9.09	ug/l	60.0-140	**90.9**			
Toluene	"	10.0	ND	9.69	"	60.0-140	**96.9**			
Ethylbenzene	"	10.0	ND	10.3	"	60.0-140	**103**			
Xylenes (total)	"	30.0	ND	30.0	"	60.0-140	**100**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.69*	"	*70.0-130*	*96.9*			
Matrix Spike Dup	**9030059-MSD1**		**L903115-01**							
Benzene	3/17/99	10.0	ND	9.35	ug/l	60.0-140	**93.5**	25.0	**2.82**	
Toluene	"	10.0	ND	10.6	"	60.0-140	**106**	25.0	**8.97**	
Ethylbenzene	"	10.0	ND	10.5	"	60.0-140	**105**	25.0	**1.92**	
Xylenes (total)	"	30.0	ND	31.1	"	60.0-140	**104**	25.0	**3.92**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.27*	"	*70.0-130*	*92.7*			
Batch: 9030060	**Date Prepared: 3/17/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9030060-BLK1**									
Purgeable Hydrocarbons as Gasoline	3/17/99			**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*		*11.2*	"	*70.0-130*	*112*			

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Blaine Tech Services	Project:	Chevron(5)	Sampled: 3/11/99
1680 Rogers Avenue	Project Number:	Chevron 9-1851, 990311-K3	Received: 3/12/99
San Jose, CA 95112	Project Manager:	Christine Lillie	Reported: 3/31/99

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*
LCS	**9030060-BS1**									
Purgeable Hydrocarbons as Gasoline	3/17/99	250		245	ug/l	70.0-130	98.0			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*19.3*	"	*70.0-130*	*193*			*2*
Matrix Spike	**9030060-MS1**		**L903116-05**							
Purgeable Hydrocarbons as Gasoline	3/17/99	250	ND	260	ug/l	60.0-140	**104**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*20.4*	"	*70.0-130*	*NR*			*2*
Matrix Spike Dup	**9030060-MSD1**		**L903116-05**							
Purgeable Hydrocarbons as Gasoline	3/17/99	250	ND	288	ug/l	60.0-140	**115**	25.0	**10.0**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*19.4*	"	*70.0-130*	*194*			*2*
Batch: 9030065	**Date Prepared: 3/12/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9030065-BLK1**									
Purgeable Hydrocarbons as Gasoline	3/16/99			**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*		*10.0*	"	*70.0-130*	*100*			
LCS	**9030065-BS1**									
Purgeable Hydrocarbons as Gasoline	3/16/99	250		233	ug/l	70.0-130	93.2			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*11.8*	"	*70.0-130*	*118*			
Matrix Spike	**9030065-MS1**									
Benzene	3/16/99	10.0		8.76	ug/l	60.0-140	**87.6**			
Toluene	"	10.0		8.78	"	60.0-140	**87.8**			
Ethylbenzene	"	10.0		9.21	"	60.0-140	**92.1**			
Xylenes (total)	"	30.0		25.7	"	60.0-140	**85.8**			
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.25*	"	*70.0-130*	*92.5*			
Matrix Spike Dup	**9030065-MSD1**									
Benzene	3/16/99	10.0		9.14	ug/l	60.0-140	**91.4**	25.0	**4.25**	
Toluene	"	10.0		9.25	"	60.0-140	**92.5**	25.0	**5.21**	
Ethylbenzene	"	10.0		9.62	"	60.0-140	**96.2**	25.0	**4.35**	
Xylenes (total)	"	30.0		28.7	"	60.0-140	**95.7**	25.0	**11.0**	
Surrogate: a,a,a-Trifluorotoluene	"	*10.0*		*9.03*	"	*70.0-130*	*90.3*			

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Blaine Tech Services	Project:	Chevron(5)	Sampled: 3/11/99
1680 Rogers Avenue	Project Number:	Chevron 9-1851, 990311-K3	Received: 3/12/99
San Jose, CA 95112	Project Manager:	Christine Lillie	Reported: 3/31/99

MTBE 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: 9030051	**Date Prepared: 3/16/99**					**Extraction Method: EPA 5030B [P/T]**				
Blank	**9030051-BLK1**									
Methyl tert-butyl ether	3/16/99			**ND**	ug/l	**2.00**				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*56.2*	"	*76.0-114*	*112*			
Blank	**9030051-BLK2**									
Methyl tert-butyl ether	3/17/99			**ND**	ug/l	**2.00**				
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*51.5*	"	*76.0-114*	*103*			
LCS	**9030051-BS1**									
Methyl tert-butyl ether	3/16/99	50.0		50.6	ug/l	70.0-130	101			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*54.0*	"	*76.0-114*	*108*			
LCS	**9030051-BS2**									
Methyl tert-butyl ether	3/17/99	50.0		55.4	ug/l	70.0-130	111			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*50.8*	"	*76.0-114*	*102*			
Matrix Spike	**9030051-MS1**		**L903121-01**							
Methyl tert-butyl ether	3/16/99	50.0	ND	54.5	ug/l	60.0-140	**109**			
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*52.5*	"	*76.0-114*	*105*			
Matrix Spike Dup	**9030051-MSD1**		**L903121-01**							
Methyl tert-butyl ether	3/16/99	50.0	ND	54.4	ug/l	60.0-140	**109**	25.0	**0**	
Surrogate: 1,2-Dichloroethane-d4	"	*50.0*		*52.8*	"	*76.0-114*	*106*			

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Blaine Tech Services	Project:	Chevron(5)	Sampled:	3/11/99
1680 Rogers Avenue	Project Number:	Chevron 9-1851, 990311-K3	Received:	3/12/99
San Jose, CA 95112	Project Manager:	Christine Lillie	Reported:	3/31/99

Notes and Definitions

#	Note
1	Chromatogram pattern: Unidentified hydrocarbon C6-C12
2	High surrogate recovery due to spike.
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

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Blaine Tech Services	Project:	Chevron(5)	Sampled:	3/11/99
1680 Rogers Avenue	Project Number:	Chevron 9-1851, 990311-K3	Received:	3/12/99
San Jose, CA 95112	Project Manager:	Christine Lillie	Reported:	3/31/99

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 9-1851
Facility Address 451 Hegenberger Rd., Oakland
Consultant Project Number 990311-K3
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 ZZ02800
Samples Collected by (Name) Mark Spandler
Signature [signature]

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

Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Sample Preservation	Date/Time	BTEX/MTBE+TPH GAS (8020 + 8015)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oxygenates (8260)	Purgeable Halocarbons (8010)	Purgeable Organics (8260)	Extractable Organics (8270)	Oil and Grease (5520)	Metals (ICAP or AA) Cd,Cr,Pb,Zn,Ni	BTEX (8020)	BTEX/MTBE/Ncon (8020)	TPH - HCID	TPH-D Extended						Remarks 9903115 Lab Sample No.
MW-1	3	W		3/4/99 / 1140	X													MTBE run by both methods 8020 & 8260					01
MW-2	3	↓		/ 1110	X																		02
MW-3	3			/ 1125	X																		03
MW-4	3			/ 1135	X																		04 3.5
TB	2	↓		↓ / —	X																		05

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N
[signature]		3/12/99 2:25	[signature]	Sequoia	3/12/99 2:25	
[signature]		3/12/99				
[signature]	[illegible]	[illegible]	Received For Laboratory By (Signature): [signature]		3/ [illegible]	Y

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

Field Data Sheets

WELL GAUGING DATA

Project # 990311-K3 Date 3/11/99 Client Chev.

Site 451 Hegenberger Rd 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					3.04	14.18	TOC	
MW-2	2					3.52	14.99	↓	
MW-3	2					3.35	14.75		
MW-4	2					3.78	15.13		

CHEVRON WELL MONITORING DATA SHEET

Project #: 990311-K3	Station #: 9-1851
Sampler: Mark	Date: 3/11/99
Well I.D.: MW-1	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 14.68	Depth to Water: 3.04
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Well Diameter	Multiplier	Well Diameter	Multiplier
X 2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius² * 0.163

Purge Method:
- Bailer
- X Disposable Bailer
- Middleburg
- Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- Bailer
- Disposable Bailer X
- Extraction Port
- Other: _____

1.8 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 5.4 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1132	58.8	7.4	2320	2	
1134	59.2	7.2	2146	4	
1136	59.6	7.1	2083	5.5	

Did well dewater? Yes (No)		Gallons actually evacuated: 5.5	
Sampling Time: 1140		Sampling Date: 3/11	
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 #: 990311-K3	Station #: 9-1851
Sampler: Mark	Date: 3/11/99
Well I.D.: MW-2	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 14.99	Depth to Water: 3.52
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
X 2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method:
- Bailer
- X Disposable Bailer
- Middleburg
- Electric Submersible
- Extraction Pump
- Other: _____

Sampling Method:
- Bailer
- Disposable Bailer X
- Extraction Port
- Other: _____

1 Case Volume (Gals.)	X	Specified Volumes	=	Calculated Volume
1.8	X	3	=	5.4 Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1101	61.5	7.1	6264	2	odor, sheen
1103	61.4	7.1	6430	4	
1105	61.7	7.0	6498	5.5	

Did well dewater? Yes (No) Gallons actually evacuated: 5.5

Sampling Time: 1110 Sampling Date: 3/11

Sample I.D.: MW-2 Laboratory: (Sequoia) CORE N. Creek Assoc. Labs

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

Duplicate I.D.: Analyzed for: TPH-G BTEX MTBE TPH-D Other:

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

CHEVRON WELL MONITORING DATA SHEET

Project #: 990311-K3	Station #: 9-1851
Sampler: Mark	Date: 3/11/99
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 14.75	Depth to Water: 3.35
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
X 2"	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius^2 * 0.163

Purge Method:
Bailer
X Disposable Bailer
Middleburg
Electric Submersible
Extraction Pump
Other: ___

Sampling Method:
Bailer
Disposable Bailer X
Extraction Port
Other: ___

1.8 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 5.4 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1116	60.2	7.3	4670	2	
1118	60.3	7.1	4306	4	
1120	60.5	7.1	4237	5.5	

Did well dewater? Yes (No) Gallons actually evacuated: 5.5

Sampling Time: 1125 Sampling Date: 3/11

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

CHEVRON WELL MONITORING DATA SHEET

Project #: 990211-K3	Station #: 9-1851
Sampler: Mark	Date: 3/11/99
Well I.D.: MW-4	Well Diameter: (2) 3 4 6 8 ___
Total Well Depth: 15.13	Depth to Water: 3.78
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	radius² * 0.163

Purge Method:
Bailer
× Disposable Bailer
Middleburg
Electric Submersible
Extraction Pump
Other: _____

Sampling Method:
Bailer
Disposable Bailer ×
Extraction Port
Other: _____

1.8 (1 Case Volume (Gals.)) X 3 (Specified Volumes) = 5.4 (Calculated Volume) Gals.

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
1146	62.7	7.2	5938	2	odor
1148	63.5	7.3	7811	4	
1150	63.8	7.3	7968	5.5	

Did well dewater? Yes (No) Gallons actually evacuated: 5.5

Sampling Time: 1155 Sampling Date: 3/11

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