



Chevron

March 25, 1999

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

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

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

Re: Former Signal Service Station #S0800 (206145)
800 Center Street
Oakland, California

Dear Mr. Seto:

Enclosed is a copy of the First Quarter Groundwater Monitoring report for 1999 that was prepared by our consultant Blaine Tech Services, Inc. for the above noted facility. Groundwater samples were analyzed for TPH-g, BTEX and MtBE constituents. Monitoring wells MW-2 and MW-7 are sampled annually (1st quarter) with wells MW-4 and MW-5 sampled semi-annually (1st & 3rd quarters). Wells MW-1, MW-3 and MW-6 are sampled quarterly.

In monitoring wells MW-1, MW-2, MW-4, MW-6 and MW-7 the concentrations were below method detection limits for all the constituents. The benzene concentration decreased in monitoring well MW-3 from the previous sampling event. No sample was taken from well MW-5, as it was inaccessible, due to a car parked over it.

The depth to ground water varied from 7.69 feet to 8.85 feet below grade with a direction of flow southwesterly.

Chevron will continue to monitor the site based on the sampling frequency noted above. If you have any questions please call me at (925) 842-9136.

Sincerely,
CHEVRON PRODUCTS COMPANY

Philip R. Briggs
Site Assessment and Remediation Project Manager

March 25, 1999
Mr. Larry Seto
Former Signal Service Station #S0800 (206145)
Page 2

Enclosure

cc: Ms. Bette Owen, Chevron

Ms. Ann Payne, Chevron, V-1156

Mr. Terrell A. Sadler
618 Brooklyn Avenue
Oakland, CA. 94606

Mr. James Scott
BPH, Inc.
333 Hegenberger Road, Suite 209
Oakland, CA 94621

Mr. Hollis Rodgers
c/o Victor E. Brown, Esq.
580 Grand Avenue
Oakland, CA 94610

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



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

March 15, 1999

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

1st Quarter 1999 Monitoring at 206145

First Quarter 1999 Groundwater Monitoring at
Former Chevron Service Station Number 206145
800 Center St.
Oakland, CA

Monitoring Performed on January 26, 1999

Groundwater Sampling Report 990126-P-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

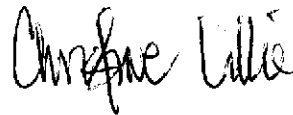
map which is located in the **Professional Engineering Appendix**.

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,

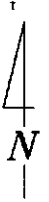


Christine Lillie
Project Coordinator

CAL/sb

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

Professional Engineering Appendix



SCALE (ft)



CENTER STREET

8th STREET

MW-5
NA

MW-7
8.25

MW-1
6.86

EXISTING BUILDING

8.00

MW-6
6.49

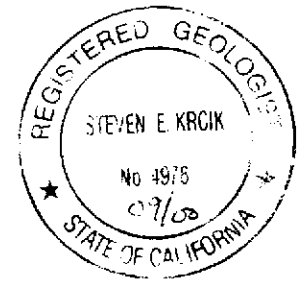
PRODUCT ISLAND

7.00



MW-3
6.70

MW-2
6.87

MW-4
6.71



EXPLANATION

-  MONITORING WELL
- 6.71 GROUNDWATER ELEVATION (FT, MSL)
- 8.00 — GROUNDWATER ELEVATION CONTOUR (FT, MSL)
- NA DATA NOT AVAILABLE
-  APPROXIMATE GROUNDWATER FLOW DIRECTION;
APPROXIMATE GRADIENT = 0.01

Ref. 206145.dwg
Base map from Ron Archer Engineer Inc.

PREPARED BY



Former Signal Service Station 206145
 800 Center Street
 Oakland, California

**GROUNDWATER ELEVATION CONTOUR MAP,
 JANUARY 26, 1999**

FIGURE:
1

PROJECT:
 DAC04

4 3

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	CUB (cfu/ml)
MW-1											
10/27/95	15.69	10.54	5.15	--	170,000	19,000	34,000	4800	26,000	--	--
02/20/97	15.64	8.96	6.68	--	18,000	870	3500	470	2100	<250	--
04/24/97	15.64	7.30	8.34	--	76,000	4600	16,000	1600	8300	1000	--
07/23/97	15.64	5.90	9.74	--	37,000	2700	8000	870	6100	<250	--
10/29/97	15.64	--	--	Inaccessible	--	--	--	--	--	--	--
01/28/98	15.64	9.30	6.34	--	10,000	380	2000	300	1500	<25	--
05/11/98	15.64	8.72	6.92	--	17,000	880	3100	380	2300	<250	--
07/16/98	15.64	7.23	8.41	--	29,000	2700	6800	890	3900	<1000	--
08/04/98	15.64	6.90	8.74	**	--	--	--	--	--	--	<1.0 x 10 ¹
09/03/98	15.64	6.43	9.21	**/+	--	--	--	--	--	--	4.1 x 10 ³
10/21/98	15.64	5.59	10.05	***	--	--	--	--	--	--	4.7 x 10 ²
11/04/98	15.64	5.64	10.00	--	25,000	1900	5900	810	4300	<125	--
01/26/99	15.64	6.86	8.78	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--

** Contaminate hydrocarbon utilizing bacteria plate count was run with diesel and jet fuel degraders.

***Contaminate hydrocarbon utilizing bacteria plate count was run with gasoline degraders.

+ 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	MTBE	CUB (cfu/ml)
MW-2											
10/27/95	15.77	10.60	5.17	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/97	15.72	8.51	7.21	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/24/97	15.72	7.82	7.90	--	83*	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/23/97	15.72	5.92	9.80	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	15.72	5.13	10.59	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/28/98	15.72	9.21	6.51	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/11/98	15.72	8.82	6.90	Sampled annually	--	--	--	--	--	--	--
07/16/98	15.72	7.37	8.35	--	--	--	--	--	--	--	--
08/04/98	15.72	7.03	8.69	**	--	--	--	--	--	--	1.9 x 10 ¹
09/03/98	15.72	6.44	9.28	**/+	--	--	--	--	--	--	3.0 x 10 ²
10/21/98	15.72	5.51	10.21	***	--	--	--	--	--	--	8.8 x 10 ²
11/04/98	15.72	5.60	10.12	--	--	--	--	--	--	--	--
01/26/99	15.72	6.87	8.85	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--

* Chromatogram pattern indicates an unidentified hydrocarbon.

** Contaminate hydrocarbon utilizing bacteria plate count was run with diesel and jet fuel degraders.

***Contaminate hydrocarbon utilizing bacteria plate count was run with gasoline degraders.

+ 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	MTBE	CUB (cfu/ml)
MW-3											
10/27/95	15.46	10.37	5.09	--	33,000	11,000	1700	2300	4200	--	--
02/20/97	15.42	8.37	7.05	--	260	56	<1.0	7.6	5.9	<5.0	--
04/24/97	15.42	7.29	8.13	--	1400	310	28	76	75	74	--
07/23/97	15.42	5.84	9.58	--	37,000	10,000	1500	2700	4200	2500	--
10/29/97	15.42	5.09	10.33	--	53,000	12,000	1200	3000	3100	2500	--
01/28/98	15.42	8.94	6.48	--	210	43	1.5	1.7	3.9	10	--
05/11/98	15.42	8.49	6.93	--	59	11	<0.5	2.1	<0.5	<2.5	--
07/16/98	15.42	7.14	8.28	--	260	90	4.8	18	5.7	<10	--
08/04/98	15.42	6.88	8.54	*	--	--	--	--	--	--	8.5 x 10 ²
09/03/98	15.42	6.34	9.08	*/+	--	--	--	--	--	--	2.4 x 10 ³
10/21/98	15.42	5.62	9.80	**	--	--	--	--	--	--	6.0 x 10 ¹
11/04/98	15.42	5.60	9.82	--	73,000	17,000	3800	4900	8100	<250	--
01/26/99	15.42	6.70	8.72	--	32,400	10,200	1850	2650	3140	715	--
01/26/99	15.42	6.70	8.72	Confirmation Run	--	--	--	--	--	<500	--

* Contaminate hydrocarbon utilizing bacteria plate count was run with diesel and jet fuel degraders.

** Contaminate hydrocarbon utilizing bacteria plate count was run with gasoline degraders.

+ 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	MTBE	CUB (cfu/ml)	
MW-4												
10/27/95	14.45	9.37	5.08	--	66	6.8	<0.5	<0.5	<0.5	--	--	
02/20/97	14.40	8.12	6.28	--	54	<0.5	<0.5	<0.5	7.4	39	--	
04/24/97	14.40	7.29	7.11	--	54	1.4	<0.5	0.65	3.0	100	--	
07/23/97	14.40	5.80	8.60	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	
10/29/97	14.40	5.74	8.66	Inaccessible	--	--	--	--	--	--	--	
11/13/97	14.40	4.97	9.43	--	<50	<0.5	0.79	<0.5	<0.5	<2.5	--	
01/28/98	14.40	8.88	5.52	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	
05/11/98	14.40	8.40	6.00	Sampled biannually	--	--	--	--	--	--	--	
07/16/98	14.40	7.08	7.32	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	
08/04/98	14.40	6.28	8.12	*	--	--	--	--	--	--	1.8 x 10 ⁴	
09/03/98	14.40	6.32	8.08	*/+	--	--	--	--	--	--	1.4 x 10 ⁴	
10/21/98	14.40	5.64	8.76	**	--	--	--	--	--	--	8.6 x 10 ⁴	
11/04/98	14.40	5.61	8.79	--	--	--	--	--	--	--	--	
01/26/99	14.40	6.71	7.69	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--	

* Contaminate hydrocarbon utilizing bacteria plate count was run with diesel and jet fuel degraders.

** Contaminate hydrocarbon utilizing bacteria plate count was run with gasoline degraders.

+ 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	MTBE	CUB (cfu/ml)	
MW-5												
01/03/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	
02/20/97	15.03	--	--	Inaccessible	--	--	--	--	--	--	--	
04/24/97	15.03	--	--	Inaccessible	--	--	--	--	--	--	--	
04/30/97	15.03	7.06	7.97	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	
07/23/97	15.03	--	--	Inaccessible	--	--	--	--	--	--	--	
10/29/97	15.03	--	--	Inaccessible	--	--	--	--	--	--	--	
01/28/98	15.03	8.83	6.20	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--	
05/11/98	15.03	--	--	Inaccessible	--	--	--	--	--	--	--	
07/16/98	15.03	7.28	7.75	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	
08/04/98	15.03	--	--	Inaccessible	--	--	--	--	--	--	--	
11/04/98	15.03	--	--	Inaccessible	--	--	--	--	--	--	--	
01/26/99	15.03	--	--	Inaccessible	--	--	--	--	--	--	--	

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	CUB (cfu/ml)
MW-6											
01/03/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/97	14.73	8.11	6.62	--	800	310	23	11	28	<12	--
04/24/97	14.73	7.13	7.60	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/23/97	14.73	5.73	9.00	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	14.73	4.98	9.75	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/28/98	14.73	8.19	6.54	--	160	38	<0.5	<0.5	<0.5	<2.5	--
05/11/98	14.73	8.08	6.65	--	1700	490	72	39	52	<25	--
07/16/98	14.73	7.04	7.69	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
08/04/98	14.73	6.89	7.84	*	--	--	--	--	--	--	8.6 x 10 ³
09/03/98	14.73	6.24	8.49	*/+	--	--	--	--	--	--	2.9 x 10 ³
10/21/98	14.73	5.46	9.27	**	--	--	--	--	--	--	1.8 x 10 ³
11/04/98	14.73	5.52	9.21	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/26/99	14.73	6.49	8.24	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--

* Contaminate hydrocarbon utilizing bacteria plate count was run with diesel and jet fuel degraders.

**Contaminate hydrocarbon utilizing bacteria plate count was run with gasoline degraders.

+ 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	MTBE	CUB (cfu/ml)
MW-7											
01/03/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	--	--
02/20/97	16.36	8.86	7.50	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/24/97	16.36	7.59	8.77	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/23/97	16.36	6.09	10.27	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
10/29/97	16.36	5.28	11.08	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
01/28/98	16.36	9.10	7.26	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/11/98	16.36	9.11	7.25	Sampled annually	--	--	--	--	--	--	--
07/16/98	16.36	8.00	8.36	--	--	--	--	--	--	--	--
08/04/98	16.36	7.32	9.04	*	--	--	--	--	--	--	1.5 x 10 ³
09/03/98	16.36	6.65	9.71	*/+	--	--	--	--	--	--	6.5 x 10 ²
10/21/98	16.36	5.96	10.40	**	--	--	--	--	--	--	4.8 x 10 ³
11/04/98	16.36	5.89	10.47	--	--	--	--	--	--	--	--
01/26/99	16.36	8.25	8.11	--	<50	<0.5	<0.5	<0.5	0.5	<2.0	--

* Contaminate hydrocarbon utilizing bacteria plate count was run with diesel and jet fuel degraders.

**Contaminate hydrocarbon utilizing bacteria plate count was run with gasoline degraders.

+ 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	MTBE	CUB (cfu/ml)
TRIP BLANK											
02/20/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
04/24/97	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/23/97	--	--	--	--	<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	--
01/28/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
05/11/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.5	--
07/16/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--
11/04/98	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--
01/26/99	--	--	--	--	<50	<0.5	<0.5	<0.5	<0.5	<2.0	--

Cumulative Table of Well Data and Analytical Results

ADDITIONAL ANALYSES

Analytical values are in parts per billion (ppb)

DATE	Notes	Total Alkalinity	Ferrous Iron	Nitrate as Nitrate	Sulfate	Pre-purge D.O. (mg/L)	Post-purge D.O. (mg/L)	Pre-purge O.R.P. (mV)	Post-purge O.R.P. (mV)
MW-1									
09/03/98	--	230,000	9800	<1000	6100	2.3	1.6	-90	-103
MW-2									
09/03/98	--	390,000	7400	<1000	21,000	2.8	2.5	-206	-163
MW-3									
09/03/98	--	830,000	45,000	<1000	10,000	3.1	0.7	-124	-99
MW-4									
09/03/98	--	--	--	--	--	2.6	1.1	-190	-206
MW-6									
09/03/98	--	94,000	62	28,000	47,000	2.6	3.2	-148	-167
MW-7									
09/03/98	--	170,000	120	7800	57,000	2.7	3.2	-207	-229

Note: Blaine Tech Services, Inc. began routine monitoring of the groundwater wells at this site on February 20, 1997.
 Earlier field data and analytical results are drawn from the January 24, 1997 Groundwater Technology, Inc. report.

ABBREVIATIONS:

TPH = Total Petroleum Hydrocarbons

MTBE = Methyl t-Butyl Ether

ND = Not detected at or above the minimum quantitation limit. See laboratory reports for minimum quantitation limits.

CUB = Contaminate Utilizing Bacteria

Analytical Appendix



Sequoia
Analytical

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

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

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(916) 921-9600
(707) 792-1865

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

February 18, 1999

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

RE: Chevron/P901561

Dear Christine Lillie

Enclosed are the results of analyses for sample(s) received by the laboratory on January 29, 1999. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Matt Sakai
Project Manager

CA ELAP Certificate Number 2245





**Sequoia
Analytical**

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Blaine Tech/Chevron 1680 Rogers Ave. San Jose, CA 95112	Project: Chevron Project Number: 206145/990126-P3 Project Manager: Christine Lillie	Sampled: 1/26/99 Received: 1/29/99 Reported: 2/18/99
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ANALYTICAL REPORT FOR P901561

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-1	P901561-01	Water	1/26/99
MW-2	P901561-02	Water	1/26/99
MW-3	P901561-03	Water	1/26/99
MW-4	P901561-04	Water	1/26/99
MW-6	P901561-05	Water	1/26/99
MW-7	P901561-06	Water	1/26/99
TB	P901561-07	Water	1/26/99





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Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
				<u>P901561-01</u>				
<u>MW-1</u>								<u>Water</u>
Gasoline	9020169	2/6/99	2/7/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.00	ND	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	"	"	"	65.0-135		102	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		92.7	"	
				<u>P901561-02</u>				
<u>MW-2</u>								<u>Water</u>
Gasoline	9020169	2/6/99	2/7/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.00	ND	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	"	"	"	65.0-135		104	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		91.7	"	
				<u>P901561-03</u>				
<u>MW-3</u>								<u>Water</u>
Gasoline	9020169	2/6/99	2/7/99		5000	32400	ug/l	
Benzene	"	"	"		50.0	10200	"	
Toluene	"	"	"		50.0	1850	"	
Ethylbenzene	"	"	"		50.0	2650	"	
Xylenes (total)	"	"	"		50.0	3140	"	
Methyl tert-butyl ether	"	"	"		200	715	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	"	"	"	65.0-135		103	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		91.7	"	
				<u>P901561-04</u>				
<u>MW-4</u>								<u>Water</u>
Gasoline	9020169	2/6/99	2/7/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.00	ND	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	"	"	"	65.0-135		104	%	
Surrogate: 4-Bromofluorobenzene	"	"	"	65.0-135		92.7	"	
				<u>P901561-05</u>				
<u>MW-6</u>								<u>Water</u>
Gasoline	9020169	2/6/99	2/7/99		50.0	ND	ug/l	





Blaine Tech/Chevron 1680 Rogers Ave. San Jose, CA 95112	Project: Chevron Project Number: 206145/990126-P3 Project Manager: Christine Lillie	Sampled: 1/26/99 Received: 1/29/99 Reported: 2/18/99
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**Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M
Sequoia Analytical - Petaluma**

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>MW-6 (continued)</u>				<u>P901561-05</u>			<u>Water</u>	
Benzene	9020169	2/6/99	2/7/99		0.500	ND	ug/l	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.00	ND	"	
Surrogate: <i>a,a,a-Trifluorotoluene</i>	"	"	"	65.0-135		103	%	
Surrogate: <i>4-Bromofluorobenzene</i>	"	"	"	65.0-135		93.0	"	
<u>MW-7</u>				<u>P901561-06</u>			<u>Water</u>	
Gasoline	9020169	2/6/99	2/7/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	0.500	"	
Methyl tert-butyl ether	"	"	"		2.00	ND	"	
Surrogate: <i>a,a,a-Trifluorotoluene</i>	"	"	"	65.0-135		105	%	
Surrogate: <i>4-Bromofluorobenzene</i>	"	"	"	65.0-135		92.3	"	
<u>TB</u>				<u>P901561-07</u>			<u>Water</u>	
Gasoline	9020169	2/6/99	2/7/99		50.0	ND	ug/l	
Benzene	"	"	"		0.500	ND	"	
Toluene	"	"	"		0.500	ND	"	
Ethylbenzene	"	"	"		0.500	ND	"	
Xylenes (total)	"	"	"		0.500	ND	"	
Methyl tert-butyl ether	"	"	"		2.00	ND	"	
Surrogate: <i>a,a,a-Trifluorotoluene</i>	"	"	"	65.0-135		104	%	
Surrogate: <i>4-Bromofluorobenzene</i>	"	"	"	65.0-135		94.0	"	





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Blaine Tech/Chevron 1680 Rogers Ave. San Jose, CA 95112	Project: Chevron Project Number: 206145/990126-P3 Project Manager: Christine Lillie	Sampled: 1/26/99 Received: 1/29/99 Reported: 2/18/99
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Volatile Organic Compounds by EPA Method 8260B Sequoia Analytical - Petaluma

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
<u>MW-3</u>				<u>P901561-03</u>			<u>Water</u>	<u>1,2</u>
Methyl tert-butyl ether	9020294	2/12/99	2/12/99		500	ND	ug/l	
Surrogate: Dibromofluoromethane	"	"	"	86.0-118		106	%	





Blaine Tech/Chevron 1680 Rogers Ave. San Jose, CA 95112	Project: Chevron Project Number: 206145/990126-P3 Project Manager: Christine Lillie	Sampled: 1/26/99 Received: 1/29/99 Reported: 2/18/99
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**Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M/Quality Control
Sequoia Analytical - Petaluma**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Reporting Limit Units	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9020169		Date Prepared: 2/6/99		Extraction Method: EPA 5030 waters					
Blank		9020169-BLK1							
Gasoline	2/6/99			ND	ug/l	50.0			
Benzene	"			ND	"	0.500			
Toluene	"			ND	"	0.500			
Ethylbenzene	"			ND	"	0.500			
Xylenes (total)	"			ND	"	0.500			
Methyl tert-butyl ether	"			ND	"	2.00			
Surrogate: a,a,a-Trifluorotoluene	"	300		309	"	65.0-135	103		
Surrogate: 4-Bromofluorobenzene	"	300		283	"	65.0-135	94.3		
Blank		9020169-BLK2							
Gasoline	2/7/99			ND	ug/l	50.0			
Benzene	"			ND	"	0.500			
Toluene	"			ND	"	0.500			
Ethylbenzene	"			ND	"	0.500			
Xylenes (total)	"			ND	"	0.500			
Methyl tert-butyl ether	"			ND	"	2.00			
Surrogate: a,a,a-Trifluorotoluene	"	300		317	"	65.0-135	106		
Surrogate: 4-Bromofluorobenzene	"	300		279	"	65.0-135	93.0		
LCS		9020169-BS1							
Benzene	2/6/99	100		94.3	ug/l	65.0-135	94.3		
Toluene	"	100		92.5	"	65.0-135	92.5		
Ethylbenzene	"	100		89.1	"	65.0-135	89.1		
Xylenes (total)	"	300		280	"	65.0-135	93.3		
Surrogate: a,a,a-Trifluorotoluene	"	300		310	"	65.0-135	103		
LCS		9020169-BS2							
Gasoline	2/7/99	1000		970	ug/l	65.0-135	97.0		
Surrogate: 4-Bromofluorobenzene	"	300		272	"	65.0-135	90.7		
Matrix Spike		9020169-MS1		P902003-01					
Benzene	2/6/99	100	ND	98.3	ug/l	65.0-135	98.3		
Toluene	"	100	ND	96.5	"	65.0-135	96.5		
Ethylbenzene	"	100	ND	93.3	"	65.0-135	93.3		
Xylenes (total)	"	300	ND	292	"	65.0-135	97.3		
Surrogate: a,a,a-Trifluorotoluene	"	300		315	"	65.0-135	105		
Matrix Spike Dup		9020169-MSD1		P902003-01					
Benzene	2/6/99	100	ND	96.7	ug/l	65.0-135	96.7	20.0	1.64
Toluene	"	100	ND	95.3	"	65.0-135	95.3	20.0	1.25





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**Total Petroleum Hydrocarbons as Gasoline and BTEX by EPA 8015M/8020M/Quality Control
Sequoia Analytical - Petaluma**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Matrix Spike Dup (continued)	9020169-MSD1	P902003-01								
Ethylbenzene	2/6/99	100	ND	91.9	ug/l	65.0-135	91.9	20.0	1.51	
Xylenes (total)	"	300	ND	288	"	65.0-135	96.0	20.0	1.35	
Surrogate: a,a,a-Trifluorotoluene	"	300		310	"	65.0-135	103			





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**Volatile Organic Compounds by EPA Method 8260B/Quality Control
Sequoia Analytical - Petaluma**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 9020294		Date Prepared: 2/11/99		Extraction Method: EPA 5030 waters						
Blank 9020294-BLK1										
Methyl tert-butyl ether	2/11/99			ND	ug/l	0.500				
Surrogate: Dibromofluoromethane	"	5.00		4.93	"	86.0-118	98.6			
Blank 9020294-BLK2										
Methyl tert-butyl ether	2/12/99			ND	ug/l	0.500				
Surrogate: Dibromofluoromethane	"	5.00		5.39	"	86.0-118	108			
Blank 9020294-BLK3										
Methyl tert-butyl ether	2/12/99			ND	ug/l	0.500				
Surrogate: Dibromofluoromethane	"	5.00		5.07	"	86.0-118	101			
LCS 9020294-BS1										
Methyl tert-butyl ether	2/11/99	5.00		4.97	ug/l	70.0-130	99.4			
Surrogate: Dibromofluoromethane	"	5.00		5.42	"	86.0-118	108			
LCS 9020294-BS2										
Methyl tert-butyl ether	2/12/99	5.00		5.30	ug/l	70.0-130	106			
Surrogate: Dibromofluoromethane	"	5.00		5.22	"	86.0-118	104			
LCS 9020294-BS3										
Methyl tert-butyl ether	2/12/99	5.00		4.80	ug/l	70.0-130	96.0			
Surrogate: Dibromofluoromethane	"	5.00		5.06	"	86.0-118	101			
Matrix Spike 9020294-MS1 P902125-05										
Methyl tert-butyl ether	2/11/99	5.00	ND	5.07	ug/l	70.0-130	101			
Surrogate: Dibromofluoromethane	"	5.00		5.22	"	86.0-118	104			
Matrix Spike Dup 9020294-MSD1 P902125-05										
Methyl tert-butyl ether	2/11/99	5.00	ND	4.78	ug/l	70.0-130	95.6	15.0	5.49	
Surrogate: Dibromofluoromethane	"	5.00		5.34	"	86.0-118	107			





Blaine Tech/Chevron 1680 Rogers Ave. San Jose, CA 95112	Project: Chevron Project Number: 206145/990126-P3 Project Manager: Christine Lillie	Sampled: 1/26/99 Received: 1/29/99 Reported: 2/18/99
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Notes and Definitions

#	Note
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- 1 This result was analyzed outside of the EPA recommended holding time.
- 2 The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.
- 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



Field Data Sheets

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>990126-P3</u>	Station #: <u>206145</u>
Sampler: <u>Paul</u>	Date: <u>1-26-99</u>
Well I.D.: <u>MW-1</u>	Well Diameter: <u>(2)</u> 3 4 6 8
Total Well Depth: <u>13.50</u>	Depth to Water: <u>8.78</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
<u>2"</u>	0.16	5"	1.02
3"	0.37	6"	1.47
4"	0.65	Other	radius ² * 0.163

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

<u>1.0</u>	x	<u>3</u>	=	<u>3.0</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
<u>14:13</u>	<u>65.8</u>	<u>6.4</u>	<u>900</u>	<u>1</u>	
<u>14:15</u>	<u>65.4</u>	<u>6.5</u>	<u>875</u>	<u>2</u>	
<u>14:18</u>	<u>64.8</u>	<u>6.5</u>	<u>850</u>	<u>3</u>	

Did well dewater? Yes No Gallons actually evacuated: 3

Sampling Time: 14:20 Sampling Date: 1-26-99

Sample I.D.: MW-1 Laboratory: Sequoia CORE N. Creek Assoc. Labs

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

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

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

CHEVRON WELL MONITORING DATA SHEET

Project #: <u>990126-P3</u>	Station #: <u>206145</u>
Sampler: <u>Paul</u>	Date: <u>1-26-99</u>
Well I.D.: <u>MW-2</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: <u>13.28</u>	Depth to Water: <u>8.85</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 Middleburg Electric Submersible Extraction Pump Other: _____	Sampling Method: <u>Bailer</u> Disposable Bailer Extraction Port Other: _____
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<u>1.0</u>	x	<u>3</u>	=	<u>3.0</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
<u>13:52</u>	<u>65.4</u>	<u>6.9</u>	<u>575</u>	<u>1</u>	
<u>13:54</u>	<u>65.2</u>	<u>6.9</u>	<u>600</u>	<u>2</u>	
<u>13:56</u>	<u>65.0</u>	<u>7.0</u>	<u>650</u>	<u>3</u>	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: <u>3</u>	
Sampling Time: <u>14:00</u>	Sampling Date: <u>1-26-99</u>	
Sample I.D.: <u>MW-2</u>	Laboratory: <u>Sequoyia</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: _____ mg/L	Post-purge: _____ mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV

CHEVRON WELL MONITORING DATA SHEET

Project #: 990126-P3	Station #: 206145
Sampler: P-1	Date: 1-26-99
Well I.D.: MW-3	Well Diameter: (2) 3 4 6 8
Total Well Depth: 14.25	Depth to Water: 8.72
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: _____

1.0	X	3	=	3.0	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
14:36	65.0	6.7	525	1	
14:38	65.4	6.7	500	2	
14:40	66.8	6.6	475	3	

Did well dewater? Yes ~~No~~ Gallons actually evacuated: 3

Sampling Time: 14:45 Sampling Date: 1-26-99

Sample I.D.: MW-3 Laboratory: Sequoia CORE N. Creek Assoc. Labs

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

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

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

CHEVRON WELL MONITORING DATA SHEET

Project #: 990126-P3	Station #: 706145
Sampler: PA-1	Date: 1-26-99
Well I.D.: MW-A	Well Diameter: (2) 3 4 6 8
Total Well Depth: 13.46	Depth to Water: 7.69
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: _____

1.0	X	3	=	3.0	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
13:33	67.4	6.6	900	1	
13:34	65.8	6.5	875	2	
13:36	65.4	6.5	800	3	

Did well dewater? Yes No Gallons actually evacuated: 3

Sampling Time: 13:40 Sampling Date: 1-26-99

Sample I.D.: mw-4 Laboratory: Sequon CORE N. Creek Assoc. Labs

Analyzed for: TPH-G BTEX MIBE TPH-D Other: _____

Duplicate I.D.: _____ Analyzed for: TPH-G BTEX MIBE 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>990126-A3</u>	Station #: <u>206145(S-800)</u>
Sampler: <u>PAUL</u>	Date: <u>1-26-99</u>
Well I.D.: <u>MW-6</u>	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: <u>19.68</u>	Depth to Water: <u>8.24</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
<u>2"</u>	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: _____

<u>1.8</u>	x	<u>3</u>	=	<u>5.4</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
13:12	65.8	6.6	500	2	
13:15	65.6	6.7	500	4	
13:18	65.4	6.7	500	6	

Did well dewater? Yes No Gallons actually evacuated: 6

Sampling Time: 13:24 Sampling Date: 1-26-99

Sample I.D.: MW-6 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 #: 990126-P3	Station #: 206145(S-800)
Sampler: PA-1	Date: 1-26-99
Well I.D.: MW-7	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: 18.30	Depth to Water: 8.11
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: Bailer
Disposable Bailer
 Middleburg
 Electric Submersible
 Extraction Pump
 Other: _____

Sampling Method: Bailer
Disposable Bailer
 Extraction Port
 Other: _____

1.5	x	3	=	4.5	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Gals. Removed	Observations
12:52	65.8	7.2	500	1.5	
12:54	65.4	7.2	500	3.0	
12:56	65.2	7.2	475	4.5	

Did well dewater? Yes No Gallons actually evacuated: 4.5

Sampling Time: 13:02 Sampling Date: 1-26-99

Sample I.D.: MW-7 Laboratory: Sequoia CORE N. Creek Assoc. Labs

Analyzed for: IPH-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