



January 8, 2001
Project No. C80-000500G1

Ms. Susan Hugo
Alameda County Health Services Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502-6577

**Re: Quarterly Monitoring Report – Fourth Quarter 2000
Former Texaco Service Station
500 Grand Avenue at Euclid Avenue
Oakland, California
Incident No. 88870189**

Dear Ms. Hugo:

On behalf of Equiva Services LLC, Blaine Tech Services (Blaine) performed (4th quarter) groundwater monitoring and sampling at the direction of KHM Environmental Management, Inc. (KHM) at the above-referenced site on November 6, 2000.

Depth to groundwater was measured in Wells MW-8F through MW-8K. Groundwater elevation data and contours are presented on Figure 1.

Groundwater samples were collected from Wells MW-8F through MW-8K. Samples were submitted by Blaine to Sequoia Analytical in Morgan Hill, California for analysis for total extractable petroleum hydrocarbons as diesel (TEPH) with silica gel cleanup and total recoverable petroleum hydrocarbons as oil and grease (TRPH) with silica gel cleanup using EPA Method 8015 (modified) and EPA Method SM 5520 B/F, respectively. TEPH concentrations are presented on Figure 1.

Blaine's groundwater monitoring and sampling report, which includes historical and current groundwater elevation data and analytical results, and field data records, is included as Attachment A.

ENVIRONMENTAL
PROTECTION

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DISCUSSION


In a conversation with Ms. Susan Hugo of the Alameda County Health Services Agency (ACHSA) on February 29, 2000, IT Corporation (IT) recommended that the site be considered for case closure, based on declining concentrations of petroleum hydrocarbons on-site and down-gradient from the former Texaco service station location. ACHSA concurred with this recommendation; however, to determine plume stability, ACHSA requested two more consecutive quarters of monitoring and sampling of all groundwater monitoring wells. ACHSA requested that Wells MW-8F, MW-8G, and MW-8I be sampled without the oxygen-releasing compound (ORC) socks. The ORC socks were removed before the second quarter 2000 monitoring and sampling event. All groundwater monitoring wells were monitored and sampled during the second and third quarter 2000.

KHM discussed current site conditions and applying for case closure with Ms. Hugo on October 3, 2000. To further evaluate the presence of TEPH and TRPH at the site, Ms. Hugo requested that all site wells be analyzed for TEPH and TRPH using silica gel cleanup during the fourth quarter 2000. During this quarter, TEPH concentrations reported using silica gel cleanup were within historical levels, indicating that the previous results were not affected by the presence of organics. TRPH was not detected in any wells this quarter.

Please call if you have any questions regarding the contents of this letter.

Sincerely,

KHM Environmental Management, Inc.


R. Lee Dooley
Senior Geologist
CHG 0183



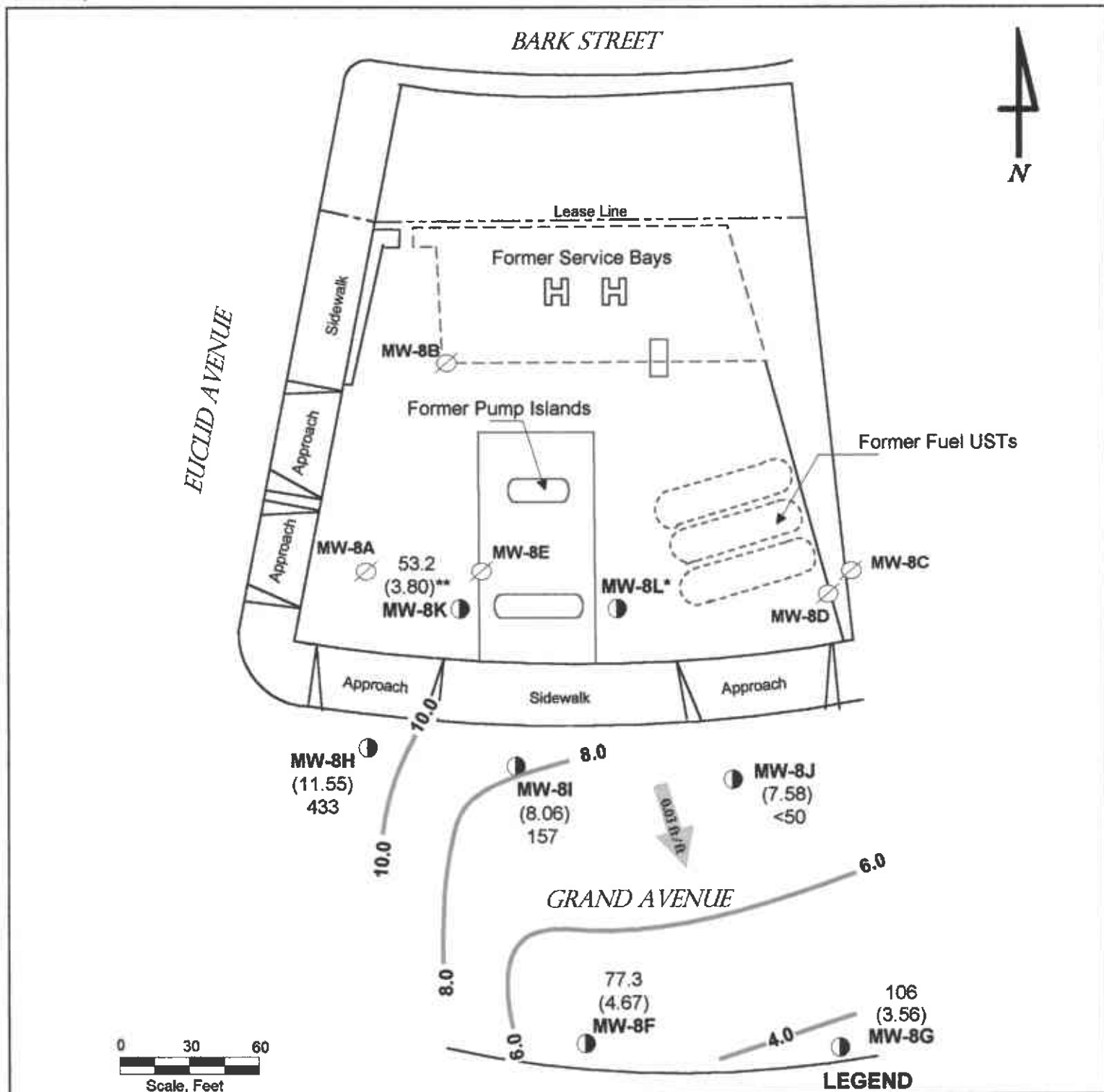
Attachments: Table 1 – Groundwater Analytical Results - TRPH
Figure 1 – Groundwater Monitoring and Sampling Map
Attachment A – Groundwater Monitoring and Sampling Report

cc: Ms. Karen Petryna, P.E., Equiva Services LLC, P.O. Box 7869, Burbank, CA 91510-7869
Mr. Richard Hiatt, California Regional Water Quality Control Board, San Francisco Bay Region,
1515 Clay Street, Suite 1400, Oakland, CA 94612

TABLE 1
GROUNDWATER ANALYTICAL RESULTS
TRPH

Former Texaco Service Station
 500 Grand Avenue at Euclid Avenue
 Oakland, California

Well Number	Date Sampled	TRPH (ppb)
MW-8F	02/16/99	<1,000
	06/04/99	<1,000
	08/31/99	<5,000
	11/03/99	<5,000
	02/29/00	<5,000
	04/24/00	<5,000
	07/25/00	<5,000
MW-8G	11/06/00	<5,000
	02/16/99	<1,000
	06/04/99	23,000
	08/31/99	<5,000
	11/03/99	<5,000
	02/29/00	<5,000
	04/24/00	<5,000
MW-8H	07/25/00	<5,000
	11/06/00	<5,000
	11/03/99	24,000
	04/24/00	35,200
MW-8I	07/25/00	13,200
	11/06/00	<5,000
	11/03/99	11,000
	04/24/00	<5,000
MW-8J	07/25/00	11,100
	11/06/00	<5,000
	11/03/99	10,000
	04/24/00	<5,000
MW-8K	07/25/00	6,400
	11/06/00	<5,000
	11/03/99	<5,000
	04/24/00	<5,000
MW-8K	07/25/00	9,100
	11/06/00	<5,000
	07/25/00	9,100
	11/06/00	<5,000
TRPH	= Total recoverable petroleum hydrocarbons (quantified as oil and grease)	
ppb	= Parts per billion	
<	= Less than laboratory detection limit stated to the right	



LEGEND

- MW-8K** ● Monitoring Well Location and Designation
- MW-8D** ∅ Abandoned Monitoring Well Location/Designation
- (4.67) Groundwater Elevation (Feet, MSL); Measured 11/06/00
- 10.0 Groundwater Elevation Contour (Feet, MSL)
- ➔ Approximate Groundwater Flow Direction/Gradient
- 157 TEPH with Silica Gel Cleanup Concentration (Parts Per Billion); Sampled 11/06/00
- * Removed From Gauging/Sampling Program
- ** Anomalous Data; Not Used in Contouring

Groundwater Monitoring and Sampling Map

**Former Texaco Service Station
500 Grand Avenue at Euclid Avenue
Oakland, California**

KHM
ENVIRONMENTAL
MANAGEMENT,
INC.

DATE	PROJECT	FIGURE
01/03/01	C80-000500G1	1

ATTACHMENT A

GROUNDWATER MONITORING AND SAMPLING REPORT

BLAINE
TECH SERVICES, INC.



1680 ROGERS AVENUE
SAN JOSE, CA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE
CONTRACTOR'S LICENSE #746684
www.blainetech.com

December 19, 2000

Karen Petryna
Equiva Services LLC
P.O. Box 7869
Burbank, CA 91510-7869

Fourth Quarter 2000 Groundwater Monitoring at
Former Texaco Service Station
500 Grand Avenue
Oakland, CA

Monitoring performed on November 6, 2000

Groundwater Monitoring Report **001106-A-1**

This report covers the routine monitoring of groundwater wells at this Former Texaco facility. 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 purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on 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,

A handwritten signature in black ink, appearing to read "Deidre Kerwin". The signature is fluid and cursive, with a long horizontal flourish at the end.

Deidre Kerwin
Operations Manager

DK/jt

attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Janet Yantis
KHM Environmental
6234 San Ignacio Avenue, Suite E
San Jose, CA 95119

WELL CONCENTRATIONS
Former Texaco Service Station
500 Grand Avenue
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
MW-8A	NA	Well abandoned	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8B	NA	Well abandoned	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8C	NA	Well abandoned	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8D	NA	Well abandoned	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8E	NA	Well abandoned	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-8F	01/23/1992	<50	1,300	4.0	1.3	<0.5	1.9	NA	NA	97.94	10.24	87.70	NA	NA
MW-8F	02/28/1992	NA	NA	NA	NA	NA	NA	NA	NA	97.94	9.93	88.01	NA	NA
MW-8F	03/26/1992	NA	NA	NA	NA	NA	NA	NA	NA	97.94	8.78	89.16	NA	NA
MW-8F	04/30/1992	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	97.94	9.36	88.58	NA	NA
MW-8F	09/28/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	97.94	11.83	86.11	NA	NA
MW-8F	11/19/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	97.94	11.22	86.72	NA	NA
MW-8F	02/12/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	97.94	9.66	88.28	NA	NA
MW-8F	05/06/1993	<50	<100	<0.5	<0.5	<0.5	<0.5	NA	NA	97.94	8.83	89.11	NA	NA
MW-8F	08/16/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	14.04	10.16	3.88	NA	NA
MW-8F	10/12/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	14.04	10.60	3.44	NA	NA
MW-8F	02/03/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	14.04	9.29	4.75	NA	NA
MW-8F	05/31/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	14.04	9.34	4.70	NA	NA
MW-8F	08/25/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	14.04	10.14	3.90	NA	NA
MW-8F	11/02/1994	<50	520	<0.5	<0.5	<0.5	<0.5	NA	NA	14.04	10.42	3.62	NA	NA
MW-8F	01/31/1995	<50	290	<0.5	<0.5	<0.5	<0.5	NA	NA	14.04	7.47	6.57	NA	NA
MW-8F	05/18/1995	<50	54	<0.5	<0.5	<0.5	<0.5	NA	NA	14.04	8.00	6.04	NA	NA
MW-8F	08/29/1995	<50	83	<0.5	<0.5	<0.5	<0.5	<10	NA	14.04	8.08	5.96	NA	NA

WELL CONCENTRATIONS
Former Texaco Service Station
500 Grand Avenue
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
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MW-8F	11/02/1995	<50	51	<0.5	<0.5	<0.5	<0.5	<10	NA	14.04	8.70	5.34	NA	NA
MW-8F	02/05/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	14.04	7.16	6.88	NA	NA
MW-8F	04/30/1996	<50	62	<0.5	<0.5	<0.5	<0.5	NA	NA	14.04	7.25	6.79	NA	NA
MW-8F	08/28/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	14.04	8.72	5.32	NA	NA
MW-8F	12/05/1996	210	110	17	17	11	46	<30	NA	14.04	8.16	5.88	NA	NA
MW-8F	02/21/1997	<50	85	<0.5	<0.5	<0.5	<0.5	<30	NA	14.04	5.53	8.51	NA	NA
MW-8F	05/02/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	14.04	7.85	6.19	NA	NA
MW-8F	07/30/1997	<50	93	<0.5	<0.5	<0.5	<0.5	<30	NA	14.04	8.87	5.17	NA	NA
MW-8F	11/05/1997	<50	140	<0.5	<0.5	<0.5	<0.5	<30	NA	14.04	9.16	4.88	NA	NA
MW-8F	01/21/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	14.04	8.56	5.48	NA	NA
MW-8F	06/03/1998	<50	730	<0.5	<0.5	<0.5	<0.5	2.9	NA	14.04	8.30	5.74	NA	NA
MW-8F	08/04/1998	<50	210	<0.5	<0.5	<0.5	<0.5	<2.5	NA	14.04	10.67	3.37	NA	NA
MW-8F	11/05/1998	<50	210	<0.50	<0.50	<0.50	<0.50	<2.5	NA	14.04	8.72	5.32	NA	NA
MW-8F	02/16/1999	<50.0	230	<0.500	<0.500	<0.500	<0.500	<2.00	NA	14.04	8.78	5.26	NA	NA
MW-8F	06/04/1999	<50	120	<0.50	<0.50	<0.50	<0.50	<2.5	NA	14.04	8.24	5.80	NA	NA
MW-8F	08/31/1999	<50.0	176	<0.500	<0.500	<0.500	<0.500	<2.50	NA	14.04	8.87	5.17	NA	1.7/1.4
MW-8F	11/03/1999	<50.0	130	<0.500	<0.500	<0.500	<0.500	<5.00	<2.00	14.04	9.40	4.64	NA	4.6/2.0
MW-8F	02/29/2000	<50.0	59	<0.500	<0.500	<0.500	<0.500	<2.50	NA	14.04	8.00	6.04	NA	6.0/1.4
MW-8F	04/24/2000	<50.0	161	<0.500	<0.500	<0.500	<0.500	<2.50	NA	14.04	7.05	6.99	NA	1.1/2.0
MW-8F	07/25/2000	<50.0	123	<0.500	<0.500	<0.500	<0.500	<2.50	NA	14.04	8.66	5.38	NA	0.4/1.2
MW-8F	11/06/2000	NA	77.3a	NA	NA	NA	NA	NA	NA	14.04	9.37	4.67	NA	0.7/1.3

MW-8G**	01/23/1992	<50	980	<0.5	<0.5	<0.5	<0.5	NA	NA	97.24	11.30	85.94	NA	NA
MW-8G	02/28/1992	NA	NA	NA	NA	NA	NA	NA	NA	97.24	10.83	86.41	NA	NA
MW-8G	03/26/1992	NA	NA	NA	NA	NA	NA	NA	NA	97.24	9.20	88.04	NA	NA
MW-8G	04/30/1992	<50	<50	1.7	<0.5	<0.5	<0.5	NA	NA	97.24	9.00	88.24	NA	NA
MW-8G	09/28/1992	Well dry	NA	NA	NA	NA	NA	NA	NA	97.24	13.32	83.92	NA	NA
MW-8G	11/19/1992	Well inaccessible	NA	NA	NA	NA	NA	NA	NA	97.24	NA	NA	NA	NA

WELL CONCENTRATIONS
Former Texaco Service Station
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Oakland, CA

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MW-8G	02/12/1993	Well inaccessible		NA	NA	NA	NA	NA	NA	97.24	NA	NA	NA	NA
MW-8G	05/06/1993	<50	60	<0.5	<0.5	<0.5	<0.5	NA	NA	97.24	11.18	86.06	NA	NA
MW-8G	08/16/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.32	9.51	3.81	NA	NA
MW-8G	10/12/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.32	10.93	2.39	NA	NA
MW-8G	02/03/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.32	9.69	3.63	NA	NA
MW-8G	05/31/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.32	9.24	4.08	NA	NA
MW-8G	08/25/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.32	9.74	3.58	NA	NA
MW-8G	11/02/1994	<50	530	<0.5	<0.5	<0.5	<0.5	NA	NA	13.32	10.08	3.24	NA	NA
MW-8G	01/31/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.32	5.75	7.57	NA	NA
MW-8G	05/18/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.32	6.60	6.72	NA	NA
MW-8G	08/29/1995	<50	120	<0.5	<0.5	<0.5	<0.5	<10	NA	13.32	8.14	5.18	NA	NA
MW-8G	11/02/1995	<50	140	<0.5	<0.5	<0.5	<0.5	<10	NA	13.32	9.16	4.16	NA	NA
MW-8G	02/05/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.32	7.18	6.14	NA	NA
MW-8G	04/30/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.32	7.00	6.32	NA	NA
MW-8G	08/28/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.32	8.94	4.38	NA	NA
MW-8G	12/05/1996	190	57	16	16	9.0	39	<30	NA	13.32	9.22	4.10	NA	NA
MW-8G	02/21/1997	<50	54	<0.5	<0.5	<0.5	<0.5	<30	NA	13.32	6.11	7.21	NA	NA
MW-8G	05/02/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.32	7.54	5.78	NA	NA
MW-8G	07/30/1997	Well inaccessible		NA	NA	NA	NA	NA	NA	13.32	NA	NA	NA	NA
MW-8G	11/05/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	13.32	9.65	3.67	NA	NA
MW-8G	11/05/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	13.32	NA	NA	NA	NA
MW-8G	01/21/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	13.32	7.57	5.75	NA	NA
MW-8G	06/03/1998	<50	570	<0.5	<0.5	<0.5	<0.5	4.0	NA	13.32	9.37	3.95	NA	NA
MW-8G	08/04/1998	<50	200	<0.5	<0.5	<0.5	<0.5	<2.5	NA	13.32	9.89	3.43	NA	NA
MW-8G	11/05/1998	<50	170	<0.50	<0.50	<0.50	<0.50	<2.5	NA	13.32	10.81	2.51	NA	NA
MW-8G	02/16/1999	<50.0	270	<0.500	<0.500	<0.500	<0.500	<2.00	NA	13.32	8.63	4.69	NA	NA
MW-8G	06/04/1999	<50	190	<0.50	<0.50	<0.50	<0.50	<2.5	NA	13.32	7.95	5.37	NA	NA
MW-8G	08/31/1999	<50.0	247	<0.500	<0.500	<0.500	<0.500	<2.50	NA	13.32	9.11	4.21	NA	4.5/1.3

WELL CONCENTRATIONS
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Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
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MW-8G	11/03/1999	<50.0	174	<0.500	<0.500	<0.500	<0.500	<5.00	<2.00	13.32	9.58	3.74	NA	11.6/4.8
MW-8G	02/29/2000	<50.0	90	<0.500	<0.500	<0.500	<0.500	<2.50	NA	13.32	5.43	7.89	NA	3.4/1.8
MW-8G	04/24/2000	<50.0	72.4	<0.500	<0.500	<0.500	<0.500	<2.50	NA	13.32	6.35	6.97	NA	10.1/6.5
MW-8G	07/25/2000	<50.0	79.2	<0.500	<0.500	<0.500	<0.500	<2.50	NA	13.32	8.71	4.61	NA	1.2/0.8
MW-8G	11/06/2000	NA	106a	NA	NA	NA	NA	NA	NA	13.32	9.76	3.56	NA	1.3/1.0

MW-8H	01/23/1992	110	<60	7.2	1.2	4.7	3.2	NA	NA	98.90	3.74	95.16	NA	NA
MW-8H	02/28/1992	NA	NA	NA	NA	NA	NA	NA	NA	98.90	4.44	94.46	NA	NA
MW-8H	03/26/1992	NA	NA	NA	NA	NA	NA	NA	NA	98.90	4.21	94.69	NA	NA
MW-8H	04/30/1992	190	90	11	1.5	5.6	3.6	NA	NA	98.90	3.46	95.44	NA	NA
MW-8H	09/28/1992	Well inaccessible		NA	NA	NA	NA	NA	NA	98.90	NA	NA	NA	NA
MW-8H	11/19/1992	130	NA	6.8	<0.5	1.1	1.5	NA	NA	98.90	3.75	95.15	NA	NA
MW-8H	02/12/1993	73	NA	5.9	<0.5	0.8	<0.5	NA	NA	98.90	4.12	94.78	NA	NA
MW-8H	05/06/1993	57	<100	1.7	<0.5	<0.5	<0.5	NA	NA	98.90	3.85	95.05	NA	NA
MW-8H	08/16/1993	<50	<50	0.5	<0.5	0.5	1.4	NA	NA	15.04	3.88	11.16	NA	NA
MW-8H	10/12/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	15.04	3.80	11.24	NA	NA
MW-8H	02/03/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	15.04	3.71	11.33	NA	NA
MW-8H	05/31/1994	<50	<50	0.79	<0.5	<0.5	<0.5	NA	NA	15.04	3.80	11.24	NA	NA
MW-8H	08/25/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	15.04	3.89	11.15	NA	NA
MW-8H	11/02/1994	<50	760	<0.5	<0.5	<0.5	<0.5	NA	NA	15.04	3.64	11.40	NA	NA
MW-8H	01/31/1995	<50	190	<0.5	<0.5	<0.5	<0.5	NA	NA	15.04	3.58	11.46	NA	NA
MW-8H	05/18/1995	<50	370	<0.5	<0.5	<0.5	<0.5	NA	NA	15.04	3.53	11.51	NA	NA
MW-8H	08/29/1995	<50	1,000	<0.5	<0.5	<0.5	<0.5	<10	NA	15.04	3.55	11.49	NA	NA
MW-8H	11/02/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	<10	NA	15.04	3.49	11.55	NA	NA
MW-8H	02/05/1996	<50	190	<0.5	<0.5	<0.5	<0.5	NA	NA	15.04	3.54	11.50	NA	NA
MW-8H	04/30/1996	<50	1,800	<0.5	<0.5	<0.5	<0.5	NA	NA	15.04	3.50	11.54	NA	NA
MW-8H	08/28/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	15.04	3.62	11.42	NA	NA
MW-8H	12/05/1996	100	350	6.2	7.3	5.0	22	<30	NA	15.04	3.38	11.66	NA	NA

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MW-8H	02/21/1997	<50	900	<0.5	<0.5	<0.5	<0.5	<30	NA	15.04	3.77	11.27	NA	NA
MW-8H	05/02/1997	<50	450	<0.5	<0.5	<0.5	<0.5	NA	NA	15.04	3.64	11.40	NA	NA
MW-8H	07/30/1997	<50	180	<0.5	0.62	<0.5	<0.5	<30	NA	15.04	3.65	11.39	NA	NA
MW-8H	11/05/1997	<50	280	<0.5	<0.5	<0.5	<0.5	<30	NA	15.04	3.61	11.43	NA	NA
MW-8H	01/21/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	15.04	3.57	11.47	NA	NA
MW-8H	06/03/1998	<50	440	<0.5	<0.5	<0.5	<0.5	<0.5	NA	15.04	3.50	11.54	NA	NA
MW-8H	08/04/1998	<50	300	<0.5	<0.5	<0.5	<0.5	<2.5	NA	15.04	3.64	11.40	NA	NA
MW-8H	11/03/1999	<50.0	576	<0.500	<0.500	<0.500	<0.500	<5.00	<2.00	15.04	3.49	11.55	NA	NA
MW-8H	04/24/2000	<50.0	53.8	<0.500	<0.500	<0.500	<0.500	<2.50	NA	15.04	3.63	11.41	NA	NA
MW-8H	07/25/2000	<50.0	90.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	15.04	3.54	11.50	NA	NA
MW-8H	11/06/2000	NA	433a	NA	NA	NA	NA	NA	NA	15.04	3.49	11.55	NA	NA
MW-8I	01/23/1992	820	210	420	7	27	20	NA	NA	98.27	6.33	91.94	NA	NA
MW-8I	02/28/1992	NA	NA	NA	NA	NA	NA	NA	NA	98.27	6.55	91.72	NA	NA
MW-8I	03/26/1992	NA	NA	NA	NA	NA	NA	NA	NA	98.27	6.45	91.82	NA	NA
MW-8I	04/30/1992	2,200	430	1,800	19	180	25	NA	NA	98.27	6.48	91.79	NA	NA
MW-8I	09/28/1992	Well inaccessible		NA	NA	NA	NA	NA	NA	98.27	NA	NA	NA	NA
MW-8I	11/19/1992	720	NA	120	1.1	29	13	NA	NA	98.27	6.37	91.90	NA	NA
MW-8I	02/12/1993	4,000	NA	970	9.2	52	36	NA	NA	98.27	6.44	91.83	NA	NA
MW-8I	05/06/1993	1,400	<10	370	2.4	40	8.4	NA	NA	98.27	6.36	91.91	NA	NA
MW-8I	08/16/1993	<50	<50	3.1	<0.5	6	<0.5	NA	NA	14.40	6.35	8.05	NA	NA
MW-8I	10/12/1993	<50	<50	1.4	<0.5	<0.5	<0.5	NA	NA	14.40	5.99	8.41	NA	NA
MW-8I	02/03/1994	1,000	<50	270	3.2	51	14	NA	NA	14.40	5.84	8.56	NA	NA
MW-8I	05/31/1994	1,400	<50	330	4.6	52	16	NA	NA	14.40	6.25	8.15	NA	NA
MW-8I	08/25/1994	540	<50	14	0.58	30	4.3	NA	NA	14.40	6.31	8.09	NA	NA
MW-8I	11/02/1994	310	370	5.7	0.74	20	<0.5	NA	NA	14.40	6.10	8.30	NA	NA
MW-8I	01/31/1995	840	910	290	4.5	45	1.6	NA	NA	14.40	5.83	8.57	NA	NA
MW-8I	05/18/1995	1,700	1100	390	7.8	80	10	NA	NA	14.40	6.09	8.31	NA	NA

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MW-8I	08/29/1995	300	560	81	<0.5	13	0.63	<10	NA	14.40	6.09	8.31	NA	NA
MW-8I	11/02/1995	81	160	<0.5	4.1	1.5	<0.5	<10	NA	14.40	6.26	8.14	NA	NA
MW-8I	02/05/1996	300	140	75	0.75	8.4	1.2	NA	NA	14.40	5.97	8.43	NA	NA
MW-8I	04/30/1996	350	<50	150	0.77	3.2	1.3	NA	NA	14.40	6.04	8.36	NA	NA
MW-8I	08/28/1996	1,100	380	300	2.9	3.2	2.1	NA	NA	14.40	6.20	8.20	NA	NA
MW-8I	12/05/1996	340	53	23	8.7	11	26	<30	NA	14.40	6.01	8.39	NA	NA
MW-8I	02/21/1997	<50	330	<0.5	<0.5	<0.5	<0.5	<30	NA	14.40	6.15	8.25	NA	NA
MW-8I	05/02/1997	110	<50	39	<0.5	0.92	<0.5	NA	NA	14.40	6.20	8.20	NA	NA
MW-8I	07/30/1997	<50	170	4.2	<0.5	<0.5	<0.5	<30	NA	14.40	6.12	8.28	NA	NA
MW-8I	11/05/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	14.40	6.26	8.14	NA	NA
MW-8I	01/21/1998	<50	<50	1.5	<0.5	<0.5	<0.5	<30	NA	14.40	6.00	8.40	NA	NA
MW-8I	06/03/1998	<50	360	<0.5	<0.5	<0.5	<0.5	1.5	NA	14.40	6.74	7.66	NA	NA
MW-8I	08/04/1998	<50	83	<0.5	<0.5	<0.5	<0.5	<2.5	NA	14.40	6.16	8.24	NA	NA
MW-8I	11/05/1998	<50	67	<0.50	<0.50	<0.50	<0.50	<2.5	NA	14.40	6.14	8.26	NA	NA
MW-8I	08/31/1999	NA	NA	NA	NA	NA	NA	NA	NA	14.40	6.12	8.28	NA	NA
MW-8I	11/03/1999	<50.0	192	<0.500	<0.500	<0.500	<0.500	<5.00	<2.00	14.40	6.45	7.95	NA	7.15/9.6
MW-8I	02/29/2000	NA	NA	NA	NA	NA	NA	NA	NA	14.40	5.69	8.71	NA	11.1
MW-8I	04/24/2000	<50.0	69.2	<0.500	<0.500	<0.500	<0.500	<2.50	NA	14.40	6.25	8.15	NA	7.1/5.6
MW-8I	07/25/2000	<50.0	80.1	<0.500	<0.500	<0.500	<0.500	<2.50	NA	14.40	6.22	8.18	NA	1.4/1.2
MW-8I	11/06/2000	NA	157a	NA	NA	NA	NA	NA	NA	14.40	6.34	8.06	NA	1.5/1.1

MW-8J	01/23/1992	<50	<50	1	<0.5	<0.5	<0.5	NA	NA	97.69	6.31	91.38	NA	NA
MW-8J	02/28/1992	NA	NA	NA	NA	NA	NA	NA	NA	97.69	6.28	91.41	NA	NA
MW-8J	03/26/1992	NA	NA	NA	NA	NA	NA	NA	NA	97.69	6.20	91.49	NA	NA
MW-8J	04/30/1992	<50	<50	2	<0.5	<0.5	<0.5	NA	NA	97.69	6.48	91.21	NA	NA
MW-8J	09/28/1992	Well inaccessible		NA	NA	NA	NA	NA	NA	97.69	NA	NA	NA	NA
MW-8J	11/19/1992	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	97.69	6.55	91.14	NA	NA
MW-8J	02/12/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	97.69	7.46	90.23	NA	NA

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MW-8J	05/06/1993	<50	<10	<0.5	<0.5	<0.5	<0.5	NA	NA	97.69	6.21	91.48	NA	NA
MW-8J	08/16/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	6.29	7.53	NA	NA
MW-8J	10/12/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	5.87	7.95	NA	NA
MW-8J	02/03/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	5.98	7.84	NA	NA
MW-8J	05/31/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	6.10	7.72	NA	NA
MW-8J	08/25/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	6.01	7.81	NA	NA
MW-8J	11/02/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	5.90	7.92	NA	NA
MW-8J	01/31/1995	<50	<50	3.7	<0.5	<0.5	<0.5	NA	NA	13.82	5.07	8.75	NA	NA
MW-8J	05/18/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	5.33	8.49	NA	NA
MW-8J	08/29/1995	<50	250	<0.5	<0.5	<0.5	<0.5	<10	NA	13.82	3.50	10.32	NA	NA
MW-8J	11/02/1995	<50	520	<0.5	<0.5	<0.5	<0.5	<10	NA	13.82	5.94	7.88	NA	NA
MW-8J	02/05/1996	<50	65	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	5.34	8.48	NA	NA
MW-8J	04/30/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	5.96	7.86	NA	NA
MW-8J	08/28/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	6.38	7.44	NA	NA
MW-8J	12/05/1996	160	<50	13	14	8.9	38	<30	NA	13.82	5.94	7.88	NA	NA
MW-8J	02/21/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	13.82	5.60	8.22	NA	NA
MW-8J	05/02/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	6.22	7.60	NA	NA
MW-8J	07/30/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	13.82	6.28	7.54	NA	NA
MW-8J	11/05/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	13.82	6.03	7.79	NA	NA
MW-8J	01/21/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	13.82	5.71	8.11	NA	NA
MW-8J	06/03/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	13.82	5.45	8.37	NA	NA
MW-8J	08/04/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	13.82	5.93	7.89	NA	NA
MW-8J	11/05/1998	<50	<50	2.0	<0.50	<0.50	<0.50	<2.5	NA	13.82	6.05	7.77	NA	NA
MW-8J	11/03/1999	<50.0	58.9	<0.500	<0.500	<0.500	<0.500	<5.00	<2.00	13.82	5.84	7.98	NA	NA
MW-8J	04/24/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	13.82	5.58	8.24	NA	NA
MW-8J	07/25/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	13.82	5.89	7.93	NA	NA
MW-8J	11/06/2000	NA	<50.0a	NA	NA	NA	NA	NA	NA	13.82	6.24	7.58	NA	NA

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MW-8K	05/21/1993	54	<50	12	<0.5	<0.5	<0.5	NA	NA	15.18	NA	NA	NA	NA
MW-8K	08/16/1993	<50	<50	<0.5	<0.5	1.0	<0.5	NA	NA	15.18	2.08	13.10	NA	NA
MW-8K	10/12/1993	<50	<50	4.2	<0.5	<0.5	<0.5	NA	NA	15.18	1.95	13.23	NA	NA
MW-8K	01/03/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	15.18	1.48	13.70	NA	NA
MW-8K	05/31/1994	<50	<50	1.0	0.57	<0.5	<0.5	NA	NA	15.18	1.59	13.59	NA	NA
MW-8K	08/25/1994	<50	<50	0.78	<0.5	<0.5	<0.5	NA	NA	15.18	2.00	13.18	NA	NA
MW-8K	11/02/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	15.18	2.10	13.08	NA	NA
MW-8K	01/31/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	15.18	1.35	13.83	NA	NA
MW-8K	08/18/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	15.18	1.36	13.82	NA	NA
MW-8K	08/29/1995	<50	160	<0.5	<0.5	<0.5	<0.5	<10	NA	15.18	1.55	13.63	NA	NA
MW-8K	11/02/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	<10	NA	15.18	1.88	13.30	NA	NA
MW-8K	02/05/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	15.18	1.46	13.72	NA	NA
MW-8K	04/30/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	15.18	1.43	13.75	NA	NA
MW-8K	08/28/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	15.18	1.75	13.43	NA	NA
MW-8K	12/05/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	15.18	1.42	13.76	NA	NA
MW-8K	02/21/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	15.18	1.49	13.69	NA	NA
MW-8K	05/02/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	15.18	1.60	13.58	NA	NA
MW-8K	07/30/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	15.18	1.66	13.52	NA	NA
MW-8K	11/05/1997	<50	300	<0.5	<0.5	<0.5	<0.5	<30	NA	15.18	1.62	13.56	NA	NA
MW-8K	01/21/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	15.18	1.29	13.89	NA	NA
MW-8K	06/03/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	15.18	1.17	14.01	NA	NA
MW-8K	08/04/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	15.18	1.21	13.97	NA	NA
MW-8K	11/05/1998	<50	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	15.18	2.30	12.88	NA	NA
MW-8K	11/03/1999	<50.0	270	<0.500	<0.500	<0.500	<0.500	<5.00	<2.00	15.18	1.63	13.55	NA	NA
MW-8K	04/24/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	15.18	1.25	13.93	NA	NA
MW-8K	07/25/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	15.18	1.38	13.80	NA	NA
MW-8K	11/06/2000	NA	53.2a	NA	NA	NA	NA	NA	NA	15.18	11.38	3.80	NA	NA

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MW-8L	05/21/1993	76	<50	1.1	<0.5	<0.5	6	NA	NA	14.44	NA	NA	NA	NA
MW-8L	08/16/1993	<50	<50	<0.5	<0.5	0.7	1.1	NA	NA	14.44	2.47	11.97	NA	NA
MW-8L	10/12/1993	110	<50	13	<0.5	6	<0.5	NA	NA	14.44	2.36	12.08	NA	NA
MW-8L	01/03/1994	590	<50	61	2.4	<0.5	110	NA	NA	14.44	2.82	11.62	NA	NA
MW-8L	05/31/1994	410	<50	77	<0.5	20	1.1	NA	NA	14.44	2.66	11.78	NA	NA
MW-8L	08/25/1994	260	<50	16	<0.5	2.5	<0.5	NA	NA	14.44	2.34	12.10	NA	NA
MW-8L	11/02/1994	Well inaccessible		NA	NA	NA	NA	NA	NA	14.44	NA	NA	NA	NA
MW-8L	01/31/1995	Well inaccessible		NA	NA	NA	NA	NA	NA	14.44	0.08	14.36	NA	NA
MW-8L	08/18/1995	Well inaccessible		NA	NA	NA	NA	NA	NA	14.44	0.42	14.02	NA	NA
MW-8L	08/29/1995	Well inaccessible		NA	NA	NA	NA	NA	NA	14.44	NA	NA	NA	NA
MW-8L	11/02/1995	Well inaccessible		NA	NA	NA	NA	NA	NA	14.44	NA	NA	NA	NA
MW-8L	02/05/1996	Well inaccessible		NA	NA	NA	NA	NA	NA	14.44	NA	NA	NA	NA
MW-8L	04/30/1996	Well inaccessible		NA	NA	NA	NA	NA	NA	14.44	NA	NA	NA	NA
MW-8L	08/28/1996	Well inaccessible		NA	NA	NA	NA	NA	NA	14.44	0.75	13.69	NA	NA
MW-8L	12/05/1996	Well inaccessible		NA	NA	NA	NA	NA	NA	14.44	NA	NA	NA	NA
MW-8L	02/21/1997	Well inaccessible		NA	NA	NA	NA	NA	NA	14.44	NA	NA	NA	NA
MW-8L	05/02/1997	Well inaccessible		NA	NA	NA	NA	NA	NA	14.44	0.60	13.84	NA	NA
MW-8L	07/30/1997	Well inaccessible		NA	NA	NA	NA	NA	NA	14.44	NA	NA	NA	NA
MW-8L	11/05/1997	NA	NA	NA	NA	NA	NA	NA	NA	14.44	0.67	13.77	NA	NA
MW-8L	01/21/1998	NA	NA	NA	NA	NA	NA	NA	NA	14.44	NA	NA	NA	NA

WELL CONCENTRATIONS
Former Texaco Service Station
500 Grand Avenue
Oakland, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	DO Reading (ppm)
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Abbreviations:

TPPH= Total petroleum hydrocarbons as gasoline by modified EPA Method 8015

TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015

BTEX = benzene, toluene, ethylbenzene, xylenes by EPA Method 8020

MTBE = methyl-tertiary-butyl ether

TOC = Top of Casing Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

ug/L = parts per billion

ppm = parts per million

msl = Mean sea level

ft = Feet

<n = Below detection limit

D = Duplicate sample

NA = Not Applicable

DO = Dissolved Oxygen

n/n = Pre-purge / Post-purge DO Readings

Notes:

** = Non-diesel mix >C16. The certified analytical report for sample MW-8G was revised on 10/21/93.

a = TEPH with Silica Gel Cleanup.

New well elevation survey performed at wells MW-8F through MW-8L on August 16, 1993 based on mean sea level (MSL). Prior data based on arbitrary site data.



Sequoia Analytical

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

21 November, 2000

Nick Sudano
Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose, CA 95112

RE: 500 Grand Ave.
Sequoia Report: MJK0301

Enclosed are the results of analyses for samples received by the laboratory on 11/07/00 13:25. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Wayne Stevenson
Client Services Manager

CA ELAP Certificate #1210





Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 500 Grand Ave.
Project Number: 500 Grand Ave./ Oakland
Project Manager: Nick Sudano

Reported:
11/21/00 10:36

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-8F	MJK0301-01	Water	11/06/00 10:00	11/07/00 13:25
MW-8G	MJK0301-02	Water	11/06/00 10:47	11/07/00 13:25
MW-8H	MJK0301-03	Water	11/06/00 09:35	11/07/00 13:25
MW-8I	MJK0301-04	Water	11/06/00 09:20	11/07/00 13:25
MW-8J	MJK0301-05	Water	11/06/00 09:07	11/07/00 13:25
MW-8K	MJK0301-06	Water	11/06/00 08:45	11/07/00 13:25

Sequoia Analytical - Morgan Hill

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.

Wayne Stevenson, Client Services Manager





Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 500 Grand Ave.
Project Number: 500 Grand Ave./ Oakland
Project Manager: Nick Sudano

Reported:
11/21/00 10:36

**Diesel Hydrocarbons (C9-C24) with Silica Gel Cleanup by DHS LUFT
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8F (MJK0301-01) Water Sampled: 11/06/00 10:00 Received: 11/07/00 13:25									
Diesel Range Hydrocarbons	77.3	50.0	ug/l	1	0K16025	11/16/00	11/17/00	DHS LUFT	D-15
Surrogate: n-Pentacosane		113 %	40-140		"	"	"	"	
MW-8G (MJK0301-02) Water Sampled: 11/06/00 10:47 Received: 11/07/00 13:25									
Diesel Range Hydrocarbons	106	50.0	ug/l	1	0K16025	11/16/00	11/17/00	DHS LUFT	D-15
Surrogate: n-Pentacosane		106 %	40-140		"	"	"	"	
MW-8H (MJK0301-03) Water Sampled: 11/06/00 09:35 Received: 11/07/00 13:25									
Diesel Range Hydrocarbons	433	50.0	ug/l	1	0K16025	11/16/00	11/17/00	DHS LUFT	D-15
Surrogate: n-Pentacosane		171 %	40-140		"	"	"	"	S-02
MW-8I (MJK0301-04) Water Sampled: 11/06/00 09:20 Received: 11/07/00 13:25									
Diesel Range Hydrocarbons	157	50.0	ug/l	1	0K16025	11/16/00	11/17/00	DHS LUFT	D-15
Surrogate: n-Pentacosane		102 %	40-140		"	"	"	"	
MW-8J (MJK0301-05) Water Sampled: 11/06/00 09:07 Received: 11/07/00 13:25									
Diesel Range Hydrocarbons	ND	50.0	ug/l	1	0K16025	11/16/00	11/17/00	DHS LUFT	
Surrogate: n-Pentacosane		92.2 %	40-140		"	"	"	"	
MW-8K (MJK0301-06) Water Sampled: 11/06/00 08:45 Received: 11/07/00 13:25									
Diesel Range Hydrocarbons	53.2	50.0	ug/l	1	0K16025	11/16/00	11/17/00	DHS LUFT	D-15
Surrogate: n-Pentacosane		120 %	40-140		"	"	"	"	





Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 500 Grand Ave.
Project Number: 500 Grand Ave./ Oakland
Project Manager: Nick Sudano

Reported:
11/21/00 10:36

Conventional Chemistry Parameters by APHA/EPA Methods Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8F (MJK0301-01) Water Sampled: 11/06/00 10:00 Received: 11/07/00 13:25									
TRPH	ND	5.00	mg/l	1	0K09029	11/09/00	11/10/00	SM 5520B/F	
MW-8G (MJK0301-02) Water Sampled: 11/06/00 10:47 Received: 11/07/00 13:25									
TRPH	ND	5.00	mg/l	1	0K09029	11/09/00	11/10/00	SM 5520B/F	
MW-8H (MJK0301-03) Water Sampled: 11/06/00 09:35 Received: 11/07/00 13:25									
TRPH	ND	5.00	mg/l	1	0K09029	11/09/00	11/10/00	SM 5520B/F	
MW-8I (MJK0301-04) Water Sampled: 11/06/00 09:20 Received: 11/07/00 13:25									
TRPH	ND	5.00	mg/l	1	0K09029	11/09/00	11/10/00	SM 5520B/F	
MW-8J (MJK0301-05) Water Sampled: 11/06/00 09:07 Received: 11/07/00 13:25									
TRPH	ND	5.00	mg/l	1	0K09029	11/09/00	11/10/00	SM 5520B/F	
MW-8K (MJK0301-06) Water Sampled: 11/06/00 08:45 Received: 11/07/00 13:25									
TRPH	ND	5.00	mg/l	1	0K09029	11/09/00	11/10/00	SM 5520B/F	





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose CA, 95112	Project: 500 Grand Ave. Project Number: 500 Grand Ave./ Oakland Project Manager: Nick Sudano	Reported: 11/21/00 10:36
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Diesel Hydrocarbons (C9-C24) with Silica Gel Cleanup by DHS LUFT - Quality Control
Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0K16025 - EPA 3510B										
Blank (0K16025-BLK1)					Prepared: 11/16/00 Analyzed: 11/17/00					
Diesel Range Hydrocarbons	ND	50.0	ug/l							
Surrogate: n-Pentacosane	88.3		"	100		88.3	40-140			
LCS (0K16025-BS1)					Prepared: 11/16/00 Analyzed: 11/17/00					
Diesel Range Hydrocarbons	979	50.0	ug/l				40-140			
Surrogate: n-Pentacosane	89.8		"	100		89.8	40-140			
Matrix Spike (0K16025-MS1)					Source: MJK0301-01 Prepared: 11/16/00 Analyzed: 11/17/00					
Diesel Range Hydrocarbons	1070	50.0	ug/l		77.3		40-140			
Surrogate: n-Pentacosane	103		"	100		103	40-140			
Matrix Spike Dup (0K16025-MSD1)					Source: MJK0301-01 Prepared: 11/16/00 Analyzed: 11/17/00					
Diesel Range Hydrocarbons	1010	50.0	ug/l		77.3		40-140	5.77	50	
Surrogate: n-Pentacosane	99.7		"	100		99.7	40-140			





Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose CA, 95112	Project: 500 Grand Ave. Project Number: 500 Grand Ave./ Oakland Project Manager: Nick Sudano	Reported: 11/21/00 10:36
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**Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0K09029 - General Prep										
Blank (0K09029-BLK1)										
					Prepared: 11/09/00 Analyzed: 11/10/00					
TRPH	ND	5.00	mg/l							
LCS (0K09029-BS1)										
					Prepared: 11/09/00 Analyzed: 11/10/00					
TRPH	9.30	5.00	mg/l	10.0		93.0	70-130			
LCS Dup (0K09029-BSD1)										
					Prepared: 11/09/00 Analyzed: 11/10/00					
TRPH	9.70	5.00	mg/l	10.0		97.0	70-130	4.21	30	





Blaine Tech Services (Shell)
1680 Rogers Avenue
San Jose CA, 95112

Project: 500 Grand Ave.
Project Number: 500 Grand Ave./ Oakland
Project Manager: Nick Sudano

Reported:
11/21/00 10:36

Notes and Definitions

- D-15 Chromatogram Pattern: Unidentified Hydrocarbons C9-C24
- S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.
- 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
- RPD Relative Percent Difference



BLAINE

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

TECH SERVICES, INC.

CONDUCT ANALYSIS TO DETECT

LAB

SEQUOIA

DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

- EPA
- LIA
- OTHER

RWQCB REGION _____

MJK0301

SPECIAL INSTRUCTIONS

Send invoice to Equiva

Incident # 88870189

Send report to Blaine Tech Services, Inc.

ATTN: Nick Sudano

CHAIN OF CUSTODY

001106-A1

CLIENT Equiva - Karen Petryna

SITE 500 Grand Ave

Oakland, CA

C = COMPOSITE ALL CONTAINERS

TPH - gas, BTEX

MTBE by 8020

MTBE by 8260

TPH - diesel w/ silica gel Clean-up

Oxygenates by 8260

ORG by 8260 w/ silica gel Clean-up

~~w/ silica gel Clean-up~~

SAMPLE I.D.	DATE	TIME	MATRIX		TOTAL	CONTAINERS	TPH - gas, BTEX	MTBE by 8020	MTBE by 8260	TPH - diesel w/ silica gel Clean-up	Oxygenates by 8260	ORG by 8260 w/ silica gel Clean-up	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #	
			S= SOIL	W=H ₂ O													
MW-8 F	11/6/00	1000	W		4				X	X	X	X	"Confirm Highest Detected MTBE by 8260"			01	
MW-8 G		1047							X	X	X	X					02
MW-8 H		935							X	X	X	X					03
MW-8 I		920							X	X	X	X					04
MW-8 J		907							X	X	X	X					05
MW-8 K		845							X	X	X	X					06

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED	
	11/6/00	1105	<i>Q Sudano</i>	NO LATER THAN	
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
<i>Q Sudano</i>	11/7/00	11:30	<i>E. Bradley</i>	11/7	11:30
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
<i>Q Sudano</i>			<i>mtl</i>	11/7/00	1325
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
DATE SENT	TIME SENT	COOLER #			

WELL GAUGING DATA

Project # 001106-A1

Date 10-6-00

Client Egiva

Site 500 Grand Ave. Oakland.

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 TOG	
* MW-8F	4					9.37	14.35	TOG	
MW-8G	4					9.76	14.29		
MW-8H	4					3.49	14.80		
MW-8I	4					6.34	14.50		
MW-8J	4					6.24	14.70		
MW-8K	2					11.38	16.45		✓
*Car Parked over well after gauging. Car moved prior to leaving site.									

EQUIVA WELL MONITORING DATA SHEET

BTS #: 001106-A1	Site: 624880235
Sampler: Oscar	Date: 11/6/00
Well I.D.: MW-8F	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 14.35	Depth to Water: 9.37
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH

Purge Method:

- Bailer
- Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other _____

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing

Other: _____

$$3.2 \text{ (Gals.)} \times 3 = 9.6 \text{ Gals.}$$

1 Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
953	62.8	7.0	3763	48	3	Okay
954	69.4	6.9	3748	31	6	
955	69.5	6.9	3732	29	10	

Did well dewater? Yes No Gallons actually evacuated: 10

Sampling Time: 1000 Sampling Date: 11/6/00

Sample I.D.: MW-8F Laboratory: Sequon Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: ORG by 6520

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: 0.7 mg/L Post-purge: 1.3 mg/L

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

EQUIVA WELL MONITORING DATA SHEET

BTS #: 001106-A1	Site: 624880235
Sampler: Oscar	Date: 11/6/00
Well I.D.: MW-8G	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 14.29	Depth to Water: 9.70
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>VC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH

Purge Method:

- Bailer
- Disposable Bailer
- Middleburg
- Electric Submersible l
- Waterra
- Peristaltic
- Extraction Pump
- Other _____

Sampling Method:

- Bailer o
- Disposable Bailer
- Extraction Port
- Dedicated Tubing

Other: _____

$$2.9 \text{ (Gals.)} \times 3 = 8.7 \text{ Gals.}$$
 I Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1040	63.7	7.3	4373	182	3	
1041	65.0	7.4	4418	171	6	
1042	65.1	7.4	4429	163	9	

Did well dewater? Yes No Gallons actually evacuated: 9

Sampling Time: 1047 Sampling Date: 11/6/00

Sample I.D.: MW-8G Laboratory: Sequoia Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: ORG BY 5520

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: 1.3 mg/L Post-purge: 1.0 mg/L

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

EQUIVA WELL MONITORING DATA SHEET

BTS #: 001106-A1	Site: 624880235
Sampler: Oscar	Date: 11/6/00
Well I.D.: MW-8H	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 14.80	Depth to Water: 3.49
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>VC</u> Grade	D.O. Meter (if req'd): YSI HACH

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

Sampling Method: Bailer Disposable Bailer Extraction Port Dedicated Tubing Other: _____

$$73 \text{ (Gals.)} \times 3 = 219 \text{ Gals.}$$
 1 Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
927	69.6	7.2	853	28	8	
928	71.2	7.1	817	19	16	
930	71.3	7.1	806	14	21	

Did well dewater? Yes No Gallons actually evacuated: 22

Sampling Time: 9:35 Sampling Date: 11/6/00

Sample I.D.: MW-8H Laboratory: Sequoia Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: ORG B1 C520

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:

EQUIVA WELL MONITORING DATA SHEET

BTS #: 001106-A1	Site: 624880235
Sampler: Oscar	Date: 11/6/00
Well I.D.: MW-8I	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 14.50	Depth to Water: 6.34
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>VC</u> Grade	D.O. Meter (if req'd): <u>YSI</u> HACH

Purge Method:

- Bailer
- Disposable Bailer
- Middleburg
- Electric Submersible P
- Waterra
- Peristaltic
- Extraction Pump
- Other _____

Sampling Method:

- Bailer P
- Disposable Bailer
- Extraction Port
- Dedicated Tubing

Other: _____

5.3	(Gals.) X	3	=	15.9	Gals.
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.	Turbidity	Gals. Removed	Observations
914	70.9	7.8	1220	14	4	
915	71.3	7.5	1203	12	12	
916	71.4	7.5	1998	7	16	

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: 16	
Sampling Time: 920	Sampling Date: 11/6/00	
Sample I.D.: MW-8I	Laboratory: <u>Sequora</u> Columbia Other _____	
Analyzed for: TPH-G BTEX MTBE <u>TPH-D</u> Other: <u>ORG BY 5520</u>		
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):	<u>Pre-purge</u> : 1.5 mg/L	<u>Post-purge</u> : 1.1 mg/L
O.R.P. (if req'd):	Pre-purge: _____ mV	Post-purge: _____ mV

EQUIVA WELL MONITORING DATA SHEET

BTS #: 001106-A1	Site: 624880235
Sampler: Oscar	Date: 11/6/00
Well I.D.: MW-8J	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 14.70	Depth to Water: 6.24
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>VC</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer
- Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other _____

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing

Other: _____

5.4 (Gals.) X 3 = 16.2 Gals.
 Case Volume Specified Volumes Calculated Volume

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
900	66.3	7.2	1544	31	6	
901	70.8	7.1	1485	28	12	
902	70.0	7.1	1479	24	17	

Did well dewater? Yes No Gallons actually evacuated: 17

Sampling Time: 907 Sampling Date: 11/6/00

Sample I.D.: MW-8J Laboratory: Sequoia Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: 0.4G BY 5520

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

EQUIVA WELL MONITORING DATA SHEET

BTS #: 001106-A1	Site: 629880235
Sampler: Oscar	Date: 11/6/00
Well I.D.: MW-8K	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: 16.25	Depth to Water: 11.38
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>VC</u> Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailey
- Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other _____

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing

Other: _____

.8	(Gals.) X	3	=	2.9	Gals.
I Case Volume		Specified Volumes		Calculated Volume	

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
834	68.7	7.0	973	173	1	
837	69.2	7.0	972	121	2	
839	69.0	7.0	969	103	2.5	

Did well dewater? Yes No Gallons actually evacuated: 25

Sampling Time: 845 Sampling Date: 11/6/00

Sample I.D.: MW-8K Laboratory: Sequoia Columbia Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: OG BYSS20

EB I.D. (if applicable): @ _____ 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:

