



September 28, 2000  
Project No. C80-000500G1

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

**Re: Quarterly Monitoring Report – Third 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 semiannual (3<sup>rd</sup> quarter) groundwater monitoring and sampling at the direction of KHM Environmental Management, Inc. (KHM) at the above-referenced site on July 25, 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 purgeable petroleum hydrocarbons quantified as gasoline (TPPH); benzene, toluene, ethylbenzene, total xylenes (BTEX); methyl tert-butyl ether (MTBE); and total extractable petroleum hydrocarbons quantified as diesel (TEPH) using EPA Method 8015 (modified) and 8020. Groundwater samples were also analyzed for total recoverable petroleum hydrocarbons quantified as oil and grease (TRPH) by EPA Method SM5520B/F. Samples collected from Wells MW-1, MW-3, MW-6, and MW-8 were also analyzed using EPA Method 8260 to confirm the presence of MTBE. TPPH, benzene, and MTBE 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.


## DISCUSSION

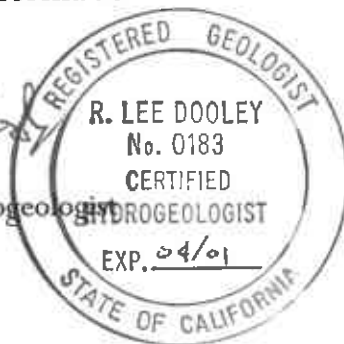
In a conversation with Ms. Susan Hugo of the Alameda County Health Services Agency (ACHSA) on February 29, 2000, IT Corporation (IT) recommended that the site be considered for case closure, based on declining concentrations of petroleum hydrocarbons on-site and down-gradient from the former Texaco service 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.

Concentrations of TPPH, benzene, and MTBE, in general, have been non-detectable in all groundwater monitoring wells for twelve consecutive quarters of sampling. Concentrations of TEPH were detected in all groundwater monitoring wells sampled but remain consistent with historical levels; down-gradient Wells MW-8F and MW-8G have reported concentrations of TEPH below 270 ppb for eight consecutive quarters of sampling. Concentrations of TRPH continue to be reported this quarter in up-gradient Wells MW-8H through MW-8K, ranging from 6,400 ppb in Well MW-8J to 13,200 ppb in Well MW-8H and remain consistent with historical levels; down-gradient Wells MW-8F and MW-8G have reported non-detectable concentrations of TRPH for five consecutive quarters of sampling.

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

Sincerely,  
**KHM Environmental Management, Inc.**  
6284 San Ignacio Avenue, Suite E  
San Jose, California 95119

  
R. Lee Dooley  
Certified Hydrogeologist  
CHG 0183



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

September 28, 2000

Page 2

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**

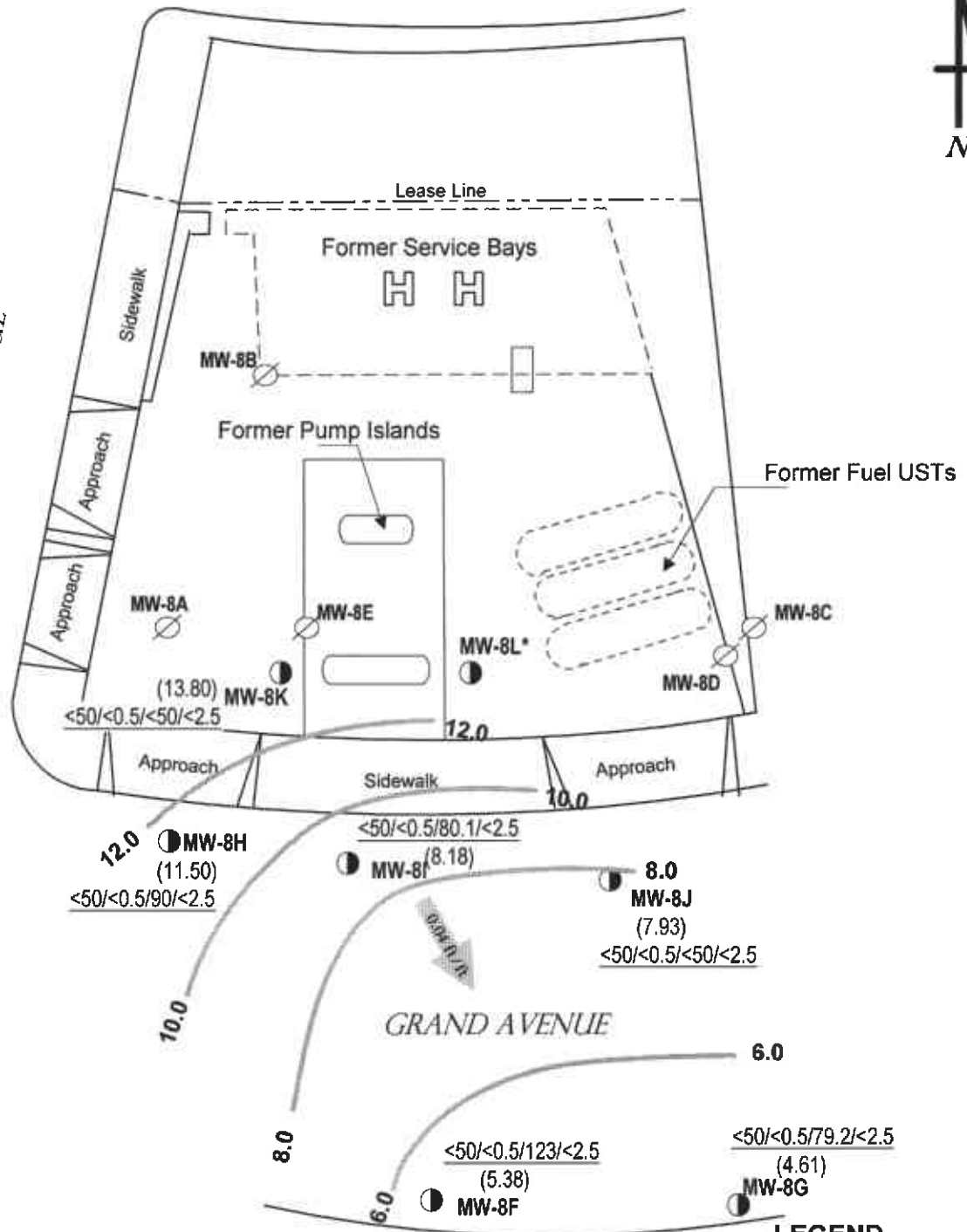
Former Texaco Service Station  
500 Grand Avenue at Euclid Avenue  
Oakland, California

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	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
	07/25/00	<5,000
MW-8H	11/03/99	24,000
	04/24/00	35,200
	07/25/00	13,200
MW-8I	11/03/99	11,000
	04/24/00	<5,000
	07/25/00	11,100
MW-8J	11/03/99	10,000
	04/24/00	<5,000
	07/25/00	6,400
MW-8K	11/03/99	<5,000
	04/24/00	<5,000
	07/25/00	9,100
TRPH	= Total recoverable petroleum hydrocarbons (quantified as oil and grease)	
ppb	= Parts per billion	
<	= Less than laboratory detection limit stated to the right	

BARK STREET



EUCLID AVENUE



12.0 ● MW-8H  
(11.50)  
<50/<0.5/90/<2.5

● MW-8I  
(8.18)  
<50/<0.5/80.1/<2.5

● 8.0  
MW-8J  
(7.93)  
<50/<0.5/<50/<2.5

● 8.0  
MW-8F  
(5.38)  
<50/<0.5/123/<2.5

● 6.0  
MW-8G  
(4.61)  
<50/<0.5/79.2/<2.5



LAKE MERRIT PARK

**LEGEND**

- MW-8K ● Monitoring Well Location and Designation
- MW-8D ∅ Abandoned Monitoring Well Location and Designation
- (5.38) Groundwater Elevation (Feet, MSL); Measured 7/25/00
- 10.0 Groundwater Elevation Contour (Feet, MSL)
- 0.04 ft/ft Approximate Groundwater Flow Direction and Gradient
- <50/<0.5/90/<2.5 TPH/Benzene/TEPH/MTBE Concentration By EPA Method 8020 (Parts Per Billion); Sampled 7/25/00
- \* Removed From Gauging/Sampling Program

**KHM**  
ENVIRONMENTAL  
MANAGEMENT,  
INC.

**Groundwater Monitoring and Sampling  
Map**

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

DATE  
9/28/00

PROJECT  
C80-000500G1

FIGURE  
1

**ATTACHMENT A**

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**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

September 1, 2000

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

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

Monitoring performed on July 25, 2000

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Groundwater Monitoring Report 000725-J-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.

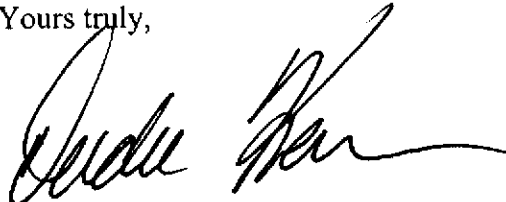
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

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 stroke 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

**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	08/29/1995	<50	83	<0.5	<0.5	<0.5	<0.5	<10	NA	14.04	8.08	5.96	NA	NA
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-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

**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-8G	11/19/1992	Well inaccessible		NA	NA	NA	NA	NA	NA	97.24	NA	NA	NA	NA
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

**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-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
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-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

**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-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
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-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

**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-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
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-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

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

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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
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

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

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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-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



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**500 Grand Avenue**  
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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
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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	TEPH	B	T	E	X	MTBE	MTBE	TOC	Depth to	GW	SPH	DO
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)		Water	Elevation	Thickness	Reading
								8020	8260	(MSL)	(ft.)	(MSL)	(ft.)	(ppm)

**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.

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

15 August, 2000

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

RE: 500 Grand Ave.  
Sequoia Report: MJG0740

Enclosed are the results of analyses for samples received by the laboratory on 07/26/00 11:39. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ted Terrasas  
Project 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:**  
08/15/00 14:09

## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-8F	MJG0740-01	Water	07/25/00 08:30	07/26/00 11:39
MW-8G	MJG0740-02	Water	07/25/00 08:55	07/26/00 11:39
MW-8H	MJG0740-03	Water	07/25/00 10:30	07/26/00 11:39
MW-8I	MJG0740-04	Water	07/25/00 10:10	07/26/00 11:39
MW-8J	MJG0740-05	Water	07/25/00 09:45	07/26/00 11:39
MW-8K	MJG0740-06	Water	07/25/00 09:20	07/26/00 11:39

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.*

  
Ted Terrasas, Project 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:**  
08/15/00 14:09

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-8F (MJG0740-01) Water</b> Sampled: 07/25/00 08:30 Received: 07/26/00 11:39									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0H03005	08/03/00	08/03/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		100 %	70-130		"	"	"	"	
<b>MW-8G (MJG0740-02) Water</b> Sampled: 07/25/00 08:55 Received: 07/26/00 11:39									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0H03005	08/03/00	08/03/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		98.3 %	70-130		"	"	"	"	
<b>MW-8H (MJG0740-03) Water</b> Sampled: 07/25/00 10:30 Received: 07/26/00 11:39									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0H03005	08/03/00	08/03/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		96.5 %	70-130		"	"	"	"	





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: 08/15/00 14:09
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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT**  
**Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-8I (MJG0740-04) Water    Sampled: 07/25/00 10:10    Received: 07/26/00 11:39</b>									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0H03005	08/03/00	08/03/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		94.9 %		70-130	"	"	"	"	
<b>MW-8J (MJG0740-05) Water    Sampled: 07/25/00 09:45    Received: 07/26/00 11:39</b>									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0H03005	08/03/00	08/03/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		97.2 %		70-130	"	"	"	"	
<b>MW-8K (MJG0740-06) Water    Sampled: 07/25/00 09:20    Received: 07/26/00 11:39</b>									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0H03005	08/03/00	08/03/00	DHS LUFT	
Benzene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
Xylenes (total)	ND	0.500	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		92.3 %		70-130	"	"	"	"	





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	<b>Reported:</b> 08/15/00 14:09
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## Diesel Hydrocarbons (C9-C24) by DHS LUFT Sequoia Analytical - Morgan Hill

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-8F (MJG0740-01) Water</b> <b>Sampled: 07/25/00 08:30</b> <b>Received: 07/26/00 11:39</b>									
Diesel Range Hydrocarbons	0.123	0.0500	mg/l	1	0G31018	07/31/00	08/01/00	DHS LUFT	D-15
Surrogate: n-Pentacosane		135 %	50-150		"	"	"	"	
<b>MW-8G (MJG0740-02) Water</b> <b>Sampled: 07/25/00 08:55</b> <b>Received: 07/26/00 11:39</b>									
Diesel Range Hydrocarbons	0.0792	0.0500	mg/l	1	0G31018	07/31/00	08/01/00	DHS LUFT	D-15
Surrogate: n-Pentacosane		125 %	50-150		"	"	"	"	
<b>MW-8H (MJG0740-03) Water</b> <b>Sampled: 07/25/00 10:30</b> <b>Received: 07/26/00 11:39</b>									
Diesel Range Hydrocarbons	0.0900	0.0500	mg/l	1	0G31018	07/31/00	08/01/00	DHS LUFT	D-15
Surrogate: n-Pentacosane		137 %	50-150		"	"	"	"	
<b>MW-8I (MJG0740-04) Water</b> <b>Sampled: 07/25/00 10:10</b> <b>Received: 07/26/00 11:39</b>									
Diesel Range Hydrocarbons	0.0801	0.0500	mg/l	1	0G31018	07/31/00	08/01/00	DHS LUFT	D-15
Surrogate: n-Pentacosane		139 %	50-150		"	"	"	"	
<b>MW-8J (MJG0740-05) Water</b> <b>Sampled: 07/25/00 09:45</b> <b>Received: 07/26/00 11:39</b>									
Diesel Range Hydrocarbons	ND	0.0500	mg/l	1	0G31018	07/31/00	08/01/00	DHS LUFT	
Surrogate: n-Pentacosane		130 %	50-150		"	"	"	"	
<b>MW-8K (MJG0740-06) Water</b> <b>Sampled: 07/25/00 09:20</b> <b>Received: 07/26/00 11:39</b>									
Diesel Range Hydrocarbons	ND	0.0500	mg/l	1	0H02024	08/02/00	08/03/00	DHS LUFT	
Surrogate: n-Pentacosane		71.5 %	50-150		"	"	"	"	





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	<b>Reported:</b> 08/15/00 14:09
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**Conventional Chemistry Parameters by APHA/EPA Methods  
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>MW-8F (MJG0740-01) Water</b> <b>Sampled: 07/25/00 08:30</b> <b>Received: 07/26/00 11:39</b>									
TRPH	ND	5.00	mg/l	1	0G27031	07/27/00	08/11/00	SM 5520B/F	
<b>MW-8G (MJG0740-02) Water</b> <b>Sampled: 07/25/00 08:55</b> <b>Received: 07/26/00 11:39</b>									
TRPH	ND	5.00	mg/l	1	0G27031	07/27/00	08/11/00	SM 5520B/F	
<b>MW-8H (MJG0740-03) Water</b> <b>Sampled: 07/25/00 10:30</b> <b>Received: 07/26/00 11:39</b>									
TRPH	13.2	5.00	mg/l	1	0G27031	07/27/00	08/11/00	SM 5520B/F	
<b>MW-8I (MJG0740-04) Water</b> <b>Sampled: 07/25/00 10:10</b> <b>Received: 07/26/00 11:39</b>									
TRPH	11.1	5.00	mg/l	1	0G27031	07/27/00	08/11/00	SM 5520B/F	
<b>MW-8J (MJG0740-05) Water</b> <b>Sampled: 07/25/00 09:45</b> <b>Received: 07/26/00 11:39</b>									
TRPH	6.40	5.00	mg/l	1	0G27031	07/27/00	08/11/00	SM 5520B/F	
<b>MW-8K (MJG0740-06) Water</b> <b>Sampled: 07/25/00 09:20</b> <b>Received: 07/26/00 11:39</b>									
TRPH	9.10	5.00	mg/l	1	0G27031	07/27/00	08/11/00	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: 08/15/00 14:09
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## Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE 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
<b>Batch 0H03005 - EPA 5030B [P/T]</b>										
<b>Blank (0H03005-BLK1)</b>										
				Prepared & Analyzed: 08/03/00						
Purgeable Hydrocarbons	ND	50.0	ug/l							
Benzene	ND	0.500	"							
Toluene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
Xylenes (total)	ND	0.500	"							
Methyl tert-butyl ether	ND	2.50	"							
Surrogate: a,a,a-Trifluorotoluene	9.87		"	10.0		98.7	70-130			
<b>LCS (0H03005-BS1)</b>										
				Prepared & Analyzed: 08/03/00						
Purgeable Hydrocarbons	238	50.0	ug/l	250	ND	95.2	70-130			
Surrogate: a,a,a-Trifluorotoluene	14.3		"	10.0		143	70-130			S-02
<b>Matrix Spike (0H03005-MS1)</b>										
				Source: MJG0740-01 Prepared & Analyzed: 08/03/00						
Purgeable Hydrocarbons	221	50.0	ug/l	250	ND	88.4	60-140			
Surrogate: a,a,a-Trifluorotoluene	14.3		"	10.0		143	70-130			S-02
<b>Matrix Spike Dup (0H03005-MSD1)</b>										
				Source: MJG0740-01 Prepared & Analyzed: 08/03/00						
Purgeable Hydrocarbons	218	50.0	ug/l	250	ND	87.2	60-140	1.37	25	
Surrogate: a,a,a-Trifluorotoluene	13.9		"	10.0		139	70-130			S-02





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:  
08/15/00 14:09

## Diesel Hydrocarbons (C9-C24) 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
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### Batch 0G31018 - EPA 3510B

#### Blank (0G31018-BLK1)

Prepared: 07/31/00 Analyzed: 08/01/00

Diesel Range Hydrocarbons	ND	0.0500	mg/l							
Surrogate: <i>n</i> -Pentacosane	0.103		"	0.100		103	50-150			

#### LCS (0G31018-BS1)

Prepared & Analyzed: 07/31/00

Diesel Range Hydrocarbons	1.11	0.0500	mg/l	1.00		111	60-140			
Surrogate: <i>n</i> -Pentacosane	0.129		"	0.100		129	50-150			

#### Matrix Spike (0G31018-MS1)

Source: MJG0674-02 Prepared & Analyzed: 07/31/00

Diesel Range Hydrocarbons	0.796	0.0500	mg/l	1.00	ND	79.6	50-150			
Surrogate: <i>n</i> -Pentacosane	0.0952		"	0.100		95.2	50-150			

#### Matrix Spike Dup (0G31018-MSD1)

Source: MJG0674-02 Prepared: 07/31/00 Analyzed: 08/01/00

Diesel Range Hydrocarbons	0.885	0.0500	mg/l	1.00	ND	88.5	50-150	10.6	50	
Surrogate: <i>n</i> -Pentacosane	0.0936		"	0.100		93.6	50-150			

### Batch 0H02024 - EPA 3510B

#### Blank (0H02024-BLK1)

Prepared & Analyzed: 08/02/00

Diesel Range Hydrocarbons	ND	0.0500	mg/l							
Surrogate: <i>n</i> -Pentacosane	0.106		"	0.100		106	50-150			

#### LCS (0H02024-BS1)

Prepared & Analyzed: 08/02/00

Diesel Range Hydrocarbons	1.08	0.0500	mg/l	1.00		108	60-140			
Surrogate: <i>n</i> -Pentacosane	0.102		"	0.100		102	50-150			

#### Matrix Spike (0H02024-MS1)

Source: MJG0783-01 Prepared: 08/02/00 Analyzed: 08/03/00

Diesel Range Hydrocarbons	1.20	0.0500	mg/l	1.00	0.125	108	50-150			
Surrogate: <i>n</i> -Pentacosane	0.108		"	0.100		108	50-150			





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	<b>Reported:</b> 08/15/00 14:09
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**Diesel Hydrocarbons (C9-C24) 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
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**Batch 0H02024 - EPA 3510B**

<b>Matrix Spike Dup (0H02024-MSD1)</b>	<b>Source: MJG0783-01</b>		<b>Prepared: 08/02/00</b>		<b>Analyzed: 08/03/00</b>					
Diesel Range Hydrocarbons	1.13	0.0500	mg/l	1.00	0.125	100	50-150	6.01	50	
Surrogate: n-Pentacosane	0.0992		"	0.100		99.2	50-150			





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:**  
08/15/00 14:09

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 0G27031 - General Prep</b>										
<b>Blank (0G27031-BLK1)</b>										
TRPH	ND	5.00	mg/l							
Prepared: 07/27/00 Analyzed: 08/11/00										
<b>LCS (0G27031-BS1)</b>										
TRPH	9.60	5.00	mg/l	10.0		96.0	70-130			
Prepared: 07/27/00 Analyzed: 08/11/00										
<b>LCS Dup (0G27031-BSD1)</b>										
TRPH	8.10	5.00	mg/l	10.0		81.0	70-130	16.9	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:**  
08/15/00 14:09

### 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

TECH SERVICES INC.

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

CHAIN OF CUSTODY  
**000725-J1**

CLIENT  
 Equiva - Karen Petryna

SITE  
 500 Grand Avenue  
 Oakland, CA

CONDUCT ANALYSIS TO DETECT						
TPH - gas, BTEX	MTBE by 8020	MTBE by 8260	TPH-diesel	Oxygenates by 8260	1,2-DCA & EDB by 8010	O+6 by 5520
X	X		X			+
X	X		X			X
X	X		X			X
X	X		X			X
X	X		X			X
X	X		X			X

C = COMPOSITE ALL CONTAINERS

LAB SEQUOIA \_\_\_\_\_ DHS # \_\_\_\_\_

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

EPA  RWQCB REGION \_\_\_\_\_

LIA

OTHER

**MSG0740**

SPECIAL INSTRUCTIONS

Send invoice to Equiva

Incident # 88870189

Send report to Blaine Tech Services

Attn: Ann Pember

SAMPLE I.D.	Date	Time	MATRIX S = SOIL W = H2O	CONTAINERS		C	TPH - gas, BTEX	MTBE by 8020	MTBE by 8260	TPH-diesel	Oxygenates by 8260	1,2-DCA & EDB by 8010	O+6 by 5520	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
				TOTAL	40ml 40A ILNP ILNCI												
MW-8F	7-25	0830	W	7			X	X		X				"Confirm the Highest			01
MW-8F <sup>86</sup>		0855					X	X		X				"Detected MTBE BY 8260"			02
MW-8H		1030					X	X		X							03
MW-8I		1010					X	X		X							04
MW-8J		0945					X	X		X							05
MW-8K		0920					X	X		X							06

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN	
	7-25	1030	Josh Kerns / <i>[Signature]</i>	Standard	
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
<i>[Signature]</i>	7/26/00	8:12	<i>[Signature]</i>	7/26/00	8:12
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
<i>[Signature]</i>	7/26/00		BW (M4)	7/26/00	11:40
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
SHIPPED VIA	DATE SENT	TIME SENT	COOLER #		

# WELL GAUGING DATA

Project # 000725-J1 Date 7-25-00 Client Equiva

Site 500 Grand Ave 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-8F	4					8.66	14.35	TOC
MW-8G	4					8.71	14.30	
MW-8H	4					3.54	14.80	
MW-8I	4					6.22	14.50	
MW-8J	4					5.89	14.70	
MW-8K	2					1.38	16.45	

### EQUIVA WELL MONITORING DATA SHEET

BTS #: <b>000725-J1</b>	Site: <b>624880235</b>
Sampler: <b>Josh</b>	Date: <b>7-25-00</b>
Well I.D.: <b>MW-8F</b>	Well Diameter: 2 3 <b>4</b> 6 8
Total Well Depth: <b>14.35</b>	Depth to Water: <b>8.66</b>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <b>PVC</b> Grade	D.O. Meter (if req'd): <b>YS</b> HACH

Purge Method:

- Bailer ~~WOT~~
- Disposable Bailer ~~WOT~~
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other \_\_\_\_\_

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing

Other: \_\_\_\_\_

**3.7** (Gals.) X **3** = **11.1** Gals.  
 1 Case Volume      Specified Volumes      Calculated Volume

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
0823	63.4	7.2	3340X	159	4	odor
0824	63.7	7.1	3790	58	8	"
0825	63.8	7.1	3602	62	12	"

Did well dewater? Yes  **No** Gallons actually evacuated: **12**

Sampling Time: **0830** Sampling Date: **7-25-00**

Sample I.D.: **MW-8F** Laboratory: **Sequoia** Columbia Other \_\_\_\_\_

Analyzed for: **TPH-G** **BTEX** **MTBE** **TPH-D** Other: **0 + 6 by 5520**

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:	<b>0.4</b> mg/L	Post-purge:	<b>1.2</b> mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV



### EQUIVA WELL MONITORING DATA SHEET

BTS #: 000725-J1	Site: 624880235
Sampler: Josh	Date: 7-25-00
Well I.D.: MW-86	Well Diameter: 2 3 ④ 6 8
Total Well Depth: 14.20	Depth to Water: 8.71
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YS HACH

Purge Method:

- Bailer
- Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other \_\_\_\_\_

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing

Other: \_\_\_\_\_

3.6 (Gals.) X 3 = 10.8 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 <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
0850	63.5	7.1	3650	28	4	clear
0851	64.2	7.0	4100	39	8	L
0852	64.4	7.0	4148	24	11	

Did well dewater? Yes  No  Gallons actually evacuated: 11

Sampling Time: 0855 Sampling Date: 7-25-00

Sample I.D.: MW-86 Laboratory: Sequoia Columbia Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Other: O&G 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:	1.2 mg/L	Post-purge:	0.8 mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

### EQUIVA WELL MONITORING DATA SHEET

BTS #: 000725-J1	Site: 624880235
Sampler: Josh	Date: 7-25-00
Well I.D.: MW-8H	Well Diameter: 2 3 4 6 8
Total Well Depth: 14.80	Depth to Water: 3.54
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YS HACH

Purge Method:

- Bailer
- Disposable Bailer
- Middleburg
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other \_\_\_\_\_

Sampling Method:

- Bailer
- Disposable Bailer
- Extraction Port
- Dedicated Tubing

Other: \_\_\_\_\_

7.3 (Gals.) X 3 = 21.9 Gals.  
 I 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 <sup>2</sup> * 0.163

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1025	73.3	7.2	1151	37	8	clear
1026	74.6	7.1	940	43	16	"
1027	74.0	7.1	892	52	22	"

Did well dewater? Yes  No  Gallons actually evacuated: 22

Sampling Time: 1030 Sampling Date: 7-25-00

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other: O & G by 5520

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:	mV

### EQUIVA WELL MONITORING DATA SHEET

BTS #: <u>000725-J1</u>	Site: <u>624880235</u>
Sampler: <u>Josh</u>	Date: <u>7-25-00</u>
Well I.D.: <u>MW-8I</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>14.50</u>	Depth to Water: <u>6.22</u>
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: \_\_\_\_\_

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

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1003	72.3	7.2	1462	37	6	clear
1004	73.1	7.2	1131	72	12	"
1005	72.7	7.2	1068	93	17	cloudy

Did well dewater? Yes  No      Gallons actually evacuated: 17

Sampling Time: 1010      Sampling Date: 7-25-00

Sample I.D.: MW-8I      Laboratory: Sequoia Columbia Other \_\_\_\_\_

Analyzed for: TPH-G BTEX MTBE TPH-D Other: 0 + 6 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:	<u>1.4</u> mg/L	* Post-purge:	<u>1.2</u> mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

### EQUIVA WELL MONITORING DATA SHEET

BTS #: <u>000725-J1</u>	Site: <u>624880235</u>
Sampler: <u>Josh</u>	Date: <u>7-25-00</u>
Well I.D.: <u>MW-8 J</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>14.70</u>	Depth to Water: <u>5.89</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): <u>YS</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: \_\_\_\_\_

5.7 (Gals.) X 3 = 17.1 Gals.  
 1 Case Volume      Specified Volumes      Calculated Volume

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
0942	65.1	7.1	4185	132	6	clear
0943	69.3	7.1	2775	52	12	clear
0944	71.1	7.2	2525	37	18	clear ✓

Did well dewater? Yes  No  Gallons actually evacuated: 18

Sampling Time: 0945 Sampling Date: 7-25-00

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other: 0 & 6 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:	<u>mg/L</u>	Post-purge:	<u>mg/L</u>
O.R.P. (if req'd):	Pre-purge:	<u>mV</u>	Post-purge:	<u>mV</u>

### EQUIVA WELL MONITORING DATA SHEET

BTS #: <b>000725-J1</b>	Site: <b>624880235</b>
Sampler: <b>Jash</b>	Date: <b>7-25-00</b>
Well I.D.: <b>MW-8K</b>	Well Diameter: <b>(2)</b> 3 4 6 8
Total Well Depth: <b>16.45</b>	Depth to Water: <b>1.38</b>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <b>(PVC)</b> Grade	D.O. Meter (if req'd): <b>(YS)</b> HACH

Purge Method:      Sampling Method:

Bailer <input checked="" type="checkbox"/> Disposable Bailer Middleburg Electric Submersible	Waterra Peristaltic Extraction Pump Other: _____
	Bailer <input checked="" type="checkbox"/> Disposable Bailer Extraction Port Dedicated Tubing Other: _____

$2.4$  (Gals.) X  $3$  =  $7.2$  Gals.  
 1 Case Volume      Specified Volumes      Calculated Volume

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

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
0911	74.5	7.2	1271	7200	2.5	cloudy
0914	75.4	7.2	1094	7200	5.0	ll
0917	75.7	7.1	1123	7200	7.5	ll

Did well dewater? Yes  No  Gallons actually evacuated: **7.5**

Sampling Time: **0920**      Sampling Date: **7-25-00**

Sample I.D.: **MW-8K**      Laboratory: **(Sequoia)** Columbia Other: \_\_\_\_\_

Analyzed for: **(TPH-G) (BTEX) (MTBE) (TPH-D)** Other: **0 & 6 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

