



ENVIRONMENTAL
PROTECTION

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IT Corporation

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San Jose, CA 95131-1721
Tel. 408.453.7300
Fax. 408.437.9526

A Member of The IT Group

July 21, 2000
Project 807290 (340-414.9C)

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

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

Dear Ms. Hugo:

The following presents the results of the second quarter 2000 monitoring program for the site referenced above. This letter has been prepared for Equiva Services LLC (Equiva) by IT Corporation (IT), formerly Pacific Environmental Group, Inc. (PEG).

QUARTERLY MONITORING FINDINGS

Groundwater monitoring wells were gauged and sampled by Blaine Tech Services, Inc. (Blaine) at the direction of IT on April 24, 2000. Blaine's groundwater monitoring report, which includes the Well Concentrations Table (historical and current groundwater elevation and analytical results), field data, and the certified analytical report, is presented as Attachment A.

Groundwater elevation data and a corresponding contour map are presented on Figure 1.


All wells sampled were analyzed for total purgeable petroleum hydrocarbons (TPPH); benzene, toluene, ethylbenzene, xylenes (BTEX compounds); total extractable petroleum hydrocarbons (TEPH); total recoverable petroleum hydrocarbons as oil and grease (TRPH); and methyl tert-butyl ether (MtBE) by EPA Methods 8015 (modified) and 8020. TPPH, benzene, TEPH, and MtBE concentrations for the April 2000 sampling event are presented on Figure 1. TRPH concentrations are presented in Table 1.

July 21, 2000
Page 2

If you have questions regarding the content of this letter, please call (408) 453-7300.

Sincerely,

IT Corporation


Debra J. Moser
Senior Geologist
CEG 1293



Attachments: Table 1 – Groundwater Analytical Data
Figure 1 – Groundwater Monitoring Map
Attachment A – Groundwater Monitoring 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 Data
 Total Recoverable Petroleum Hydrocarbons

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
MW-8G	04/24/00	<5,000
	02/16/99	<1,000
	06/04/99	23,000
	08/31/99	<5,000
	11/03/99	<5,000
MW-8H	02/29/00	<5,000
	04/24/00	<5,000
MW-8I	11/03/99	24,000
	04/24/00	35,200
MW-8J	11/03/99	11,000
	04/24/00	<5,000
MW-8K	11/03/99	10,000
	04/24/00	<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	

July 21, 2000

PROJECT NUMBER 807290

APPROVED BY

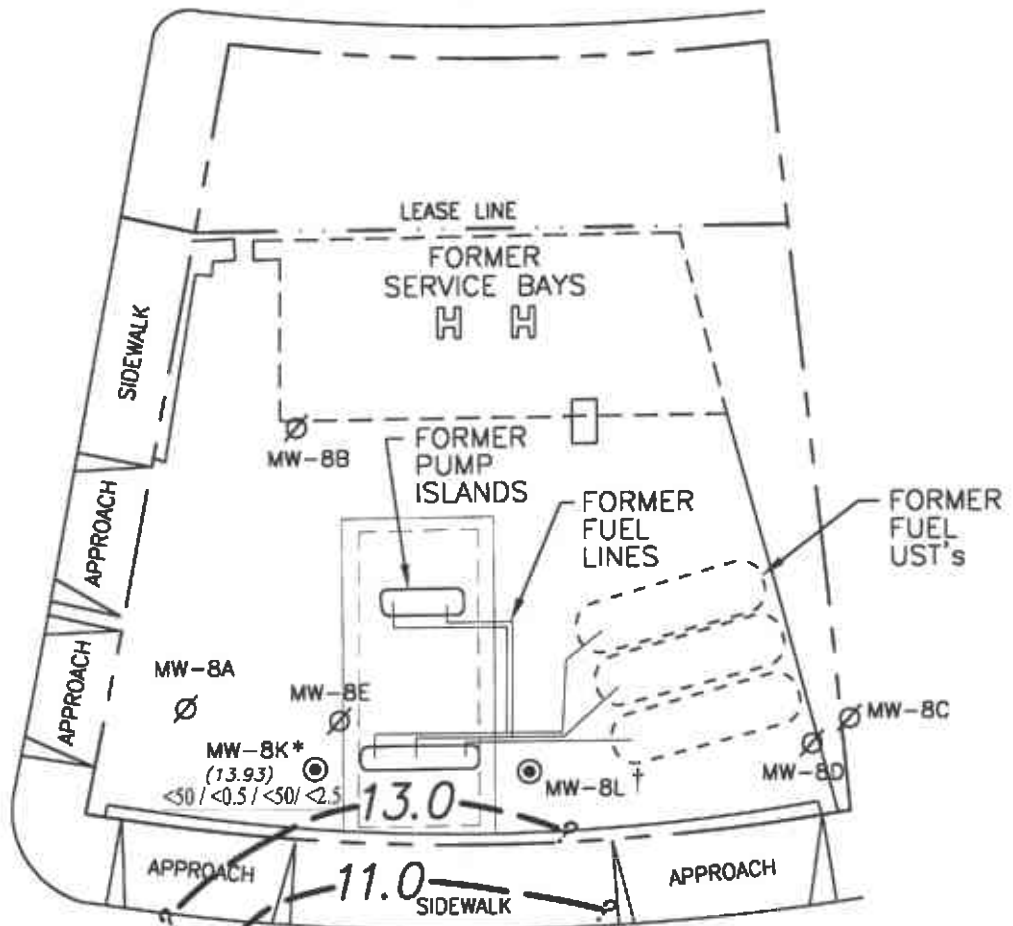
CHECKED BY

DRAWN BY L. Wohlgren 7-17-00

BARK STREET

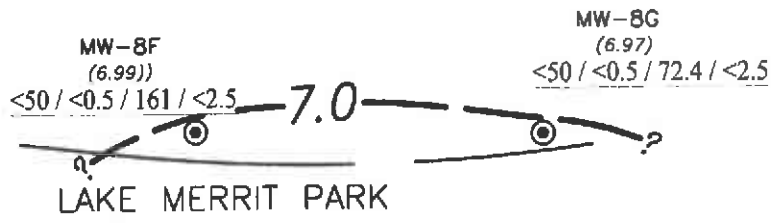


EUCLID AVENUE



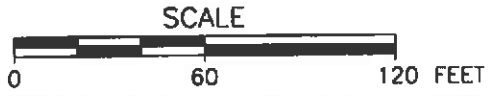
APPROXIMATE DIRECTION OF GROUNDWATER FLOW
 APPROXIMATE GRADIENT = 0.087

- LEGEND**
- ⊙ GROUNDWATER MONITORING WELL
 - ∅ ABANDONED MONITORING WELL
 - (6.99) GROUNDWATER ELEVATION (FT.-MSL); 4-24-00
 - GROUNDWATER ELEVATION CONTOUR (FT.-MSL)



<50 / <0.5 / 161 / <2.5
 TPPH/BENZENE/TEPH/MtBE by EPA METHOD
 8020 CONCENTRATIONS IN GROUNDWATER
 (PARTS PER BILLION); SAMPLES
 COLLECTED 4-24-00

- † WELL REMOVED FROM GAUGING AND SAMPLING PROGRAM
- * WELL GAUGED AND SAMPLED ANNUALLY
- ** WELL SAMPLED ANNUALLY



EQUIVA SERVICES LLC
 FORMER TEXACO SERVICE STATION

FIGURE 1
GROUNDWATER MONITORING MAP
SECOND QUARTER 2000
 500 GRAND AVENUE at EUCLID AVENUE
 OAKLAND, CALIFORNIA

ATTACHMENT A
GROUNDWATER MONITORING 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

JUN 19 2000

June 16, 2000

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

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

Monitoring performed on April 24, 2000

Groundwater Monitoring Report 000424-S-2

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", written over a light blue horizontal line.

Deidre Kerwin
Operations Manager

DK/jt

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

cc: Krissy Flesoras
IT Corporation
1921 Ringwood Avenue
San Jose, CA 95131

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

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-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
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	5.99	NA	1.1/2.0
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

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	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	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

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-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
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	10.1/8.5

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

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	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
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-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

WELL CONCENTRATIONS
Former Texaco Service Station
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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-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
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	6.26	8.35	NA	11.6

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

WELL CONCENTRATIONS
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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
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

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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	5.84	7.98	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

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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	2.30	13.93	NA	NA

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

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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.

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

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9 June, 2000

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

RE: 500 Grand Ave.
Sequoia Report: MJD0772

Enclosed are the results of analyses for samples received by the laboratory on 04/25/00 10:41. 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

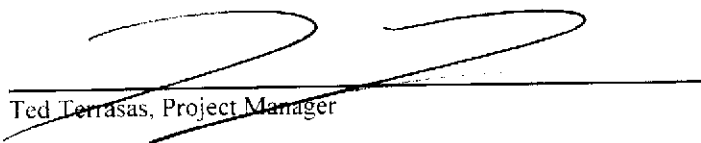
Reported:
06/09/00 16:30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-8F	MJD0772-01	Water	04/24/00 15:45	04/25/00 10:41
MW-8G	MJD0772-02	Water	04/24/00 16:45	04/25/00 10:41
MW-8H	MJD0772-03	Water	04/24/00 15:50	04/25/00 10:41
MW-8I	MJD0772-04	Water	04/24/00 14:50	04/25/00 10:41
MW-8J	MJD0772-05	Water	04/24/00 15:20	04/25/00 10:41
MW-8K	MJD0772-06	Water	04/24/00 15:00	04/25/00 10:41

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 Terrásas, 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: 06/09/00 16:30
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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
MW-8F (MJD0772-01) Water Sampled: 04/24/00 15:45 Received: 04/25/00 10:41									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0E04001	05/04/00	05/05/00	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: <i>a,a,a</i> -Trifluorotoluene		77.0 %		70-130	"	"	"	"	
MW-8G (MJD0772-02) Water Sampled: 04/24/00 16:45 Received: 04/25/00 10:41									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0E07001	05/07/00	05/07/00	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: <i>a,a,a</i> -Trifluorotoluene		98.1 %		70-130	"	"	"	"	
MW-8H (MJD0772-03) Water Sampled: 04/24/00 15:50 Received: 04/25/00 10:41									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0E05001	05/05/00	05/05/00	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: <i>a,a,a</i> -Trifluorotoluene		82.6 %		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:
06/09/00 16:30

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
MW-8I (MJD0772-04) Water Sampled: 04/24/00 14:50 Received: 04/25/00 10:41									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0E04003	05/04/00	05/04/00	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: <i>a,a,a</i> -Trifluorotoluene		96.1 %	70-130						
MW-8J (MJD0772-05) Water Sampled: 04/24/00 15:20 Received: 04/25/00 10:41									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0E04003	05/04/00	05/04/00	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: <i>a,a,a</i> -Trifluorotoluene		96.4 %	70-130						
MW-8K (MJD0772-06) Water Sampled: 04/24/00 15:00 Received: 04/25/00 10:41									
Purgeable Hydrocarbons	ND	50.0	ug/l	1	0E04003	05/04/00	05/04/00	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: <i>a,a,a</i> -Trifluorotoluene		97.4 %	70-130						



Sequoia Analytical

885 Jarvis Drive
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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: 06/09/00 16:30
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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
MW-8F (MJD0772-01) Water Sampled: 04/24/00 15:45 Received: 04/25/00 10:41									
Diesel Range Hydrocarbons	0.161	0.0500	mg/l	1	0D27016	04/27/00	04/28/00	DHS LUFT	D-15
Surrogate: n-Pentacosane		88.4 %	50-150		"	"	"	"	
MW-8G (MJD0772-02) Water Sampled: 04/24/00 16:45 Received: 04/25/00 10:41									
Diesel Range Hydrocarbons	0.0724	0.0500	mg/l	1	0D27016	04/27/00	04/28/00	DHS LUFT	D-15
Surrogate: n-Pentacosane		89.2 %	50-150		"	"	"	"	
MW-8H (MJD0772-03) Water Sampled: 04/24/00 15:50 Received: 04/25/00 10:41									
Diesel Range Hydrocarbons	0.0538	0.0500	mg/l	1	0D27016	04/27/00	04/28/00	DHS LUFT	D-15
Surrogate: n-Pentacosane		87.8 %	50-150		"	"	"	"	
MW-8I (MJD0772-04) Water Sampled: 04/24/00 14:50 Received: 04/25/00 10:41									
Diesel Range Hydrocarbons	0.0692	0.0500	mg/l	1	0D27016	04/27/00	04/28/00	DHS LUFT	D-15
Surrogate: n-Pentacosane		91.6 %	50-150		"	"	"	"	
MW-8J (MJD0772-05) Water Sampled: 04/24/00 15:20 Received: 04/25/00 10:41									
Diesel Range Hydrocarbons	ND	0.0500	mg/l	1	0D27016	04/27/00	04/28/00	DHS LUFT	
Surrogate: n-Pentacosane		77.0 %	50-150		"	"	"	"	
MW-8K (MJD0772-06) Water Sampled: 04/24/00 15:00 Received: 04/25/00 10:41									
Diesel Range Hydrocarbons	ND	0.0500	mg/l	1	0D27016	04/27/00	04/28/00	DHS LUFT	
Surrogate: n-Pentacosane		79.0 %	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:
06/09/00 16:30

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8F (MJD0772-01) Water Sampled: 04/24/00 15:45 Received: 04/25/00 10:41									
TRPH	ND	5.00	mg/l	1	0D28032	04/28/00	05/02/00	SM 5520B/F	
MW-8G (MJD0772-02) Water Sampled: 04/24/00 16:45 Received: 04/25/00 10:41									
TRPH	ND	5.00	mg/l	1	0D28032	04/28/00	05/02/00	SM 5520B/F	
MW-8H (MJD0772-03) Water Sampled: 04/24/00 15:50 Received: 04/25/00 10:41									
TRPH	35.2	5.00	mg/l	1	0D28032	04/28/00	05/02/00	SM 5520B/F	
MW-8I (MJD0772-04) Water Sampled: 04/24/00 14:50 Received: 04/25/00 10:41									
TRPH	ND	5.00	mg/l	1	0D28032	04/28/00	05/02/00	SM 5520B/F	
MW-8J (MJD0772-05) Water Sampled: 04/24/00 15:20 Received: 04/25/00 10:41									
TRPH	ND	5.00	mg/l	1	0D28032	04/28/00	05/02/00	SM 5520B/F	
MW-8K (MJD0772-06) Water Sampled: 04/24/00 15:00 Received: 04/25/00 10:41									
TRPH	ND	5.00	mg/l	1	0D28032	04/28/00	05/02/00	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:
06/09/00 16:30

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
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Batch 0E04001 - EPA 5030B [P/T]

Blank (0E04001-BLK1)

Prepared & Analyzed: 05/04/00

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: <i>a,a,a</i> -Trifluorotoluene	9.29		"	10.0		92.7	70-130			

LCS (0E04001-BS1)

Prepared & Analyzed: 05/04/00

Benzene	10.1	0.500	ug/l	10.0		101	70-130			
Toluene	9.89	0.500	"	10.0		98.9	70-130			
Ethylbenzene	9.85	0.500	"	10.0		98.5	70-130			
Xylenes (total)	30.0	0.500	"	36.0		100	70-130			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	9.50		"	10.0		95.0	70-130			

Matrix Spike (0E04001-MS1)

Source: MJD0793-02

Prepared & Analyzed: 05/04/00

Benzene	9.71	0.500	ug/l	10.0	ND	97.1	60-140			
Toluene	9.48	0.500	"	10.0	ND	94.8	60-140			
Ethylbenzene	9.41	0.500	"	10.0	ND	94.1	60-140			
Xylenes (total)	28.6	0.500	"	30.0	ND	95.3	60-140			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	9.14		"	10.0		91.4	70-130			

Matrix Spike Dup (0E04001-MSD1)

Source: MJD0793-02

Prepared & Analyzed: 05/04/00

Benzene	9.82	0.500	ug/l	10.0	ND	98.2	60-140	1.13	25	
Toluene	9.70	0.500	"	10.0	ND	97.0	60-140	2.29	25	
Ethylbenzene	9.64	0.500	"	10.0	ND	96.4	60-140	2.41	25	
Xylenes (total)	29.4	0.500	"	30.0	ND	98.0	60-140	2.76	25	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	9.33		"	10.0		93.3	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

Reported:
06/09/00 16:30

**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
Batch 0E04003 - EPA 5030B [P/T]										
Blank (0E04003-BLK1)										
Prepared & Analyzed: 05/04/00										
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	9.88		"	10.0		98.8	70-130			
LCS (0E04003-BS1)										
Prepared & Analyzed: 05/04/00										
Benzene	11.6	0.500	ug/l	10.0		116	70-130			
Toluene	10.3	0.500	"	10.0		103	70-130			
Ethylbenzene	9.56	0.500	"	10.0		95.6	70-130			
Xylenes (total)	28.7	0.500	"	30.0		95.7	70-130			
Surrogate: a,a,a-Trifluorotoluene	9.99		"	10.0		99.9	70-130			
Matrix Spike (0E04003-MS1)										
Source: MJD0786-01										
Prepared & Analyzed: 05/04/00										
Benzene	11.3	0.500	ug/l	10.0	ND	113	60-140			
Toluene	9.75	0.500	"	10.0	ND	97.5	60-140			
Ethylbenzene	8.95	0.500	"	10.0	ND	89.5	60-140			
Xylenes (total)	25.3	0.500	"	30.0	ND	84.3	60-140			
Surrogate: a,a,a-Trifluorotoluene	9.91		"	10.0		99.1	70-130			
Matrix Spike Dup (0E04003-MSD1)										
Source: MJD0786-01										
Prepared & Analyzed: 05/04/00										
Benzene	10.9	0.500	ug/l	10.0	ND	109	60-140	3.60	25	
Toluene	9.64	0.500	"	10.0	ND	96.4	60-140	1.13	25	
Ethylbenzene	8.83	0.500	"	10.0	ND	88.3	60-140	1.35	25	
Xylenes (total)	24.8	0.500	"	30.0	ND	82.7	60-140	2.00	25	
Surrogate: a,a,a-Trifluorotoluene	9.36		"	10.0		93.6	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:
06/09/00 16:30

**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
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Batch 0E05001 - EPA 5030B [P/T]

Blank (0E05001-BLK1)

Prepared & Analyzed: 05/05/00

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	9.14		"	10.0		91.4	70-130			

LCS (0E05001-BS1)

Prepared & Analyzed: 05/05/00

Purgeable Hydrocarbons	221	50.0	ug/l	250		88.4	70-130			
Surrogate: a,a,a-Trifluorotoluene	9.83		"	10.0		98.3	70-130			

Matrix Spike (0E05001-MS1)

Source: MJD0782-10

Prepared & Analyzed: 05/05/00

Purgeable Hydrocarbons	212	50.0	ug/l	250	ND	84.8	60-140			
Surrogate: a,a,a-Trifluorotoluene	9.85		"	10.0		98.5	70-130			

Matrix Spike Dup (0E05001-MSD1)

Source: MJD0782-10

Prepared & Analyzed: 05/05/00

Purgeable Hydrocarbons	210	50.0	ug/l	250	ND	84.0	60-140	0.948	25	
Surrogate: a,a,a-Trifluorotoluene	9.24		"	10.0		92.4	70-130			

Batch 0E07001 - EPA 5030B [P/T]

Blank (0E07001-BLK1)

Prepared & Analyzed: 05/07/00

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	9.65		"	10.0		96.5	70-130			



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

Project: 500 Grand Ave.
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Reported:
06/09/00 16:30

**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
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Batch 0E07001 - EPA 5030B [P/T]

LCS (0E07001-BS1)

Prepared & Analyzed: 05/07/00

Benzene	10.0	0.500	ug/l	10.0		100	70-130			
Toluene	9.86	0.500	"	10.0		98.6	70-130			
Ethylbenzene	9.73	0.500	"	10.0		97.3	70-130			
Xylenes (total)	29.7	0.500	"	30.0		99.0	70-130			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	10.1		"	10.0		101	70-130			

Matrix Spike (0E07001-MS1)

Source: MJD0832-02

Prepared & Analyzed: 05/07/00

Benzene	10.4	0.500	ug/l	10.0	0.644	97.6	60-140			
Toluene	9.71	0.500	"	10.0	ND	97.1	60-140			
Ethylbenzene	9.56	0.500	"	10.0	ND	95.6	60-140			
Xylenes (total)	29.0	0.500	"	30.0	ND	96.7	60-140			
Surrogate: <i>a,a,a</i> -Trifluorotoluene	9.98		"	10.0		99.8	70-130			

Matrix Spike Dup (0E07001-MSD1)

Source: MJD0832-02

Prepared & Analyzed: 05/07/00

Benzene	10.5	0.500	ug/l	10.0	0.644	98.6	60-140	0.957	25	
Toluene	9.79	0.500	"	10.0	ND	97.9	60-140	0.821	25	
Ethylbenzene	9.74	0.500	"	10.0	ND	97.4	60-140	1.87	25	
Xylenes (total)	29.3	0.500	"	30.0	ND	97.7	60-140	1.03	25	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	9.84		"	10.0		98.4	70-130			



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

Project: 500 Grand Ave.
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Project Manager: Nick Sudano

Reported:
06/09/00 16:30

**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
Batch 0D27016 - EPA 3510B										
Blank (0D27016-BLK1)				Prepared: 04/27/00 Analyzed: 04/28/00						
Diesel Range Hydrocarbons	ND	0.0500	mg/l							
Surrogate: n-Pentacosane	0.0704		"	0.100		70.4	50-150			
LCS (0D27016-BS1)				Prepared: 04/27/00 Analyzed: 04/28/00						
Diesel Range Hydrocarbons	0.701	0.0500	mg/l	1.00		70.1	60-140			
Surrogate: n-Pentacosane	0.0740		"	0.100		74.0	50-150			
LCS Dup (0D27016-BSD1)				Prepared: 04/27/00 Analyzed: 04/28/00						
Diesel Range Hydrocarbons	0.668	0.0500	mg/l	1.00		66.8	60-140	4.82	50	
Surrogate: n-Pentacosane	0.0718		"	0.100		71.8	50-150			



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

Project: 500 Grand Ave.
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Project Manager: Nick Sudano

Reported:
06/09/00 16:30

**MTBE by EPA Method 8260A - Quality Control
Sequoia Analytical - Morgan Hill**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0E10006 - EPA 5030B [P/T]										
Blank (0E10006-BLK1)										
Prepared & Analyzed: 05/08/00										
Methyl tert-butyl ether	ND	1.00	ug/l							
Surrogate: 1,2-Dichloroethane-d4	9.85		"	10.0		98.5	70-130			
LCS (0E10006-BS1)										
Prepared & Analyzed: 05/08/00										
Methyl tert-butyl ether	8.11	1.00	ug/l	10.0		81.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	9.67		"	10.0		96.7	70-130			
Matrix Spike (0E10006-MS1)										
Source: MJD0791-03 Prepared & Analyzed: 05/08/00										
Methyl tert-butyl ether	3610	200	ug/l	2000	1940	83.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	10.8		"	10.0		108	70-130			
Matrix Spike Dup (0E10006-MSD1)										
Source: MJD0791-03 Prepared & Analyzed: 05/08/00										
Methyl tert-butyl ether	3830	200	ug/l	2000	1940	94.5	70-130	5.91	25	
Surrogate: 1,2-Dichloroethane-d4	10.6		"	10.0		106	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:
06/09/00 16:30

**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
Batch 0D28032 - General Prep										
Blank (0D28032-BLK1)										
TRPH	ND	5.00	mg/l							Prepared: 04/28/00 Analyzed: 05/02/00
LCS (0D28032-BS1)										
TRPH	11.8	5.00	mg/l	10.0		118	70-130			Prepared: 04/28/00 Analyzed: 05/02/00
LCS Dup (0D28032-BSD1)										
TRPH	11.0	5.00	mg/l	10.0		110	70-130	7.02	30	Prepared: 04/28/00 Analyzed: 05/02/00



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Notes and Definitions

D-15 Chromatogram Pattern: Unidentified Hydrocarbons C9-C24
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

EQUIVA WELL MONITORING DATA SHEET

Project #: 000424-S2	Job # 624880235
Sampler: Stephan	Date: 4/24/00
Well I.D.: MW-8K	Well Diameter: <u>2</u> 3 4 6 8
Total Well Depth: 16.34	Depth to Water: 1.25
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

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

Purge Method: Bailer Middleburg Electric Submersible Extraction Pump

Sampling Method: Bailer Extraction Port

Other: _____

<u>2.41</u>	x	<u>3</u>	=	<u>7.24</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
1447	77.1	6.9	1073	180	2.41	
1451	71.8	6.8	1150	233	4.82	
1455	70.3	6.8	1189	229	7.24	

Did well dewater? Yes No

Gallons actually evacuated: 7.50

Sampling Time: 1500 Sampling Date: 4/24/00

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

Analyzed for: TPH-G BTEX MTBE TPH-D Other: 0/G 5520

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

