



ENVIRONMENTAL
REGISTRATION
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IT Corporation

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A Member of The IT Group

June 26, 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 - First 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 first 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 February 29, 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 February 2000 sampling event are presented on Figure 1. TRPH concentrations are presented in Table 1.

DISCUSSION

In a conversation with Ms. Susan Hugo of Alameda County Health Services Agency (ACHSA) on February 29, 2000, IT recommended that the site be reviewed 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, following two more quarters of monitoring and sampling the existing well network. ACHSA requested that all groundwater monitoring wells be monitored and sampled for two consecutive quarters, removing the oxygen releasing compound (ORC) socks in down-gradient Wells MW-8F, MW-8G, and MW-8I, to evaluate whether concentrations remain stable in this area. The ORC socks were removed from Wells MW-8F, MW-8G, and MW-8I in March 2000. Monitoring and sampling of all groundwater monitoring wells will occur in the second and third quarter 2000.

An additional matter of concern is the proximity of down-gradient, off-site Wells MW-8F and MW-8G to Lake Merrit, which is located south of Grand Avenue, further down-gradient from the former Texaco Service Station site. ACHSA inquired about the approximate footage of Wells MW-8F and MW-8G from the shore of Lake Merrit. An IT field technician visited the site and confirmed that Wells MW-8F and MW-8G are located approximately 125 feet and 130 feet from the waterfront.

ACHSA also requested that concentrations detected across the former Texaco Service Station site be compared to established cleanup levels defined in the California Regional Water Quality Control Board's (CRWQCB) *Tentative Order Prescribing Revision of Site Cleanup Requirements for the City and County of San Francisco, the United States Coast Guard, and San Francisco International Airport Tenants*, dated May 17, 1999. An evaluation of concentrations of TPPH, BTEX compounds, and MtBE at the former Texaco Service Station site in comparison to the CRWQCB's revised cleanup requirements is presented below.

EVALUATION OF SITE CONDITIONS VERSUS CRWQCB REVISED CLEANUP REQUIREMENTS

The former Texaco Service Station is located approximately 300 feet away from Lake Merrit. As requested by ACHSA, concentrations of TPPH, BTEX compounds, TEPH, TRPH, and MtBE concentrations detected across the former Texaco Service Station site may be compared to the CRWQCB's ecological protection zone Tier 1 standards established for the saltwater ecological protection zone, which extends from "the mean high tide line inland to a distance of 300 feet". In the CRWQCB's order, the saltwater ecological protection zone was "established for the protection of saltwater flora and fauna inhabiting the Bay adjacent to the Airport as well as recreational users and fisherpersons using the Bay". Though the criteria for newly-established CRWQCB

cleanup levels within the saltwater ecological protection zone cannot be applied to freshwater or brackish habitats with variable surface water beneficial uses, the CRWQCB's revised cleanup levels are not applicable to the former Texaco Service Station site, but serve solely as points of comparison.

Ecological protection zone Tier 1 standards for TPPH, BTEX compounds, TEPH, and MtBE are listed below. A complete list of ecological protection zone Tier 1 standards is presented in Attachment B.

ECOLOGICAL PROTECTION ZONE TIER 1 STANDARDS		
Analyte	Maximum Soil Concentration (ppm)	Maximum Groundwater Concentration (ppb)
TPPH	629	3,700
Benzene	2.73	71
Toluene	930	5,000
Ethylbenzene	13	86
Xylene	358	2,200
TEPH	518	640
TRPH	Site Specific	Site Specific
MtBE	447	8,000
TPPH = Gasoline-range Total Purgeable Petroleum Hydrocarbons TEPH = Diesel-range Total Extractable Petroleum Hydrocarbons TRPH = Total Recoverable Petroleum Hydrocarbons as Oil and Grease MtBE = Methyl tert-Butyl Ether ppm = parts per million ppb = parts per billion		

Concentrations of TPPH and BTEX compounds detected in soil samples during the underground storage tank (UST) excavation in April 1992 were reported below the CRWQCB's established cleanup levels. Concentrations of TPPH, benzene, and ethylbenzene reported in product island soil sample PI-1, which was collected approximately 5 feet below ground surface (bgs), exceeded CRWQCB's cleanup levels at 2,100 parts per million (ppm), 11 ppm, and 32 ppm, respectively. Concentrations of TPPH reported in product island soil sample PI-2, which was collected approximately 5 feet bgs, exceeded the CRWQCB clean up level at 810 ppm. Historical soil analytical data is included in Attachment C.

Concentrations of TPPH, BTEX compounds, TEPH, and MtBE in groundwater were reported below laboratory detection limits or were detected below the CRWQCB's established cleanup levels in all groundwater monitoring wells sampled at the former Texaco Service Station site since the second quarter 1998. An analysis of groundwater sampling data between the third quarter 1995 and the first quarter 2000 indicated concentrations in down-gradient Wells MW-8F and MW-8G have never exceeded CRWQCB cleanup levels for TPPH, BTEX compounds, and MtBE. The CRWQCB cleanup level for TEPH was exceeded in Well MW-8F during the first quarter 1992

[1,300 parts per billion (ppb)] and during the second quarter 1998 (730 ppb), and in Well MW-8G during the first quarter 1992 (980 ppb). While MtBE has not been detected in groundwater monitoring wells on-site and down-gradient from the former Texaco Service Station location, concentrations of TPPH, BTEX compounds, and TEPH have remained stable or have naturally attenuated over time.

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
Attachment B – Ecological Protection Zone Tier 1 Standards
Attachment C – Historical Soil Analytical Data

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	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
MW-8H	11/03/99	24,000
MW-8I	11/03/99	11,000
MW-8J	11/03/99	10,000
MW-8K	11/03/99	<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	

June 26, 2000

PROJECT NUMBER 340-414.9C

APPROVED BY

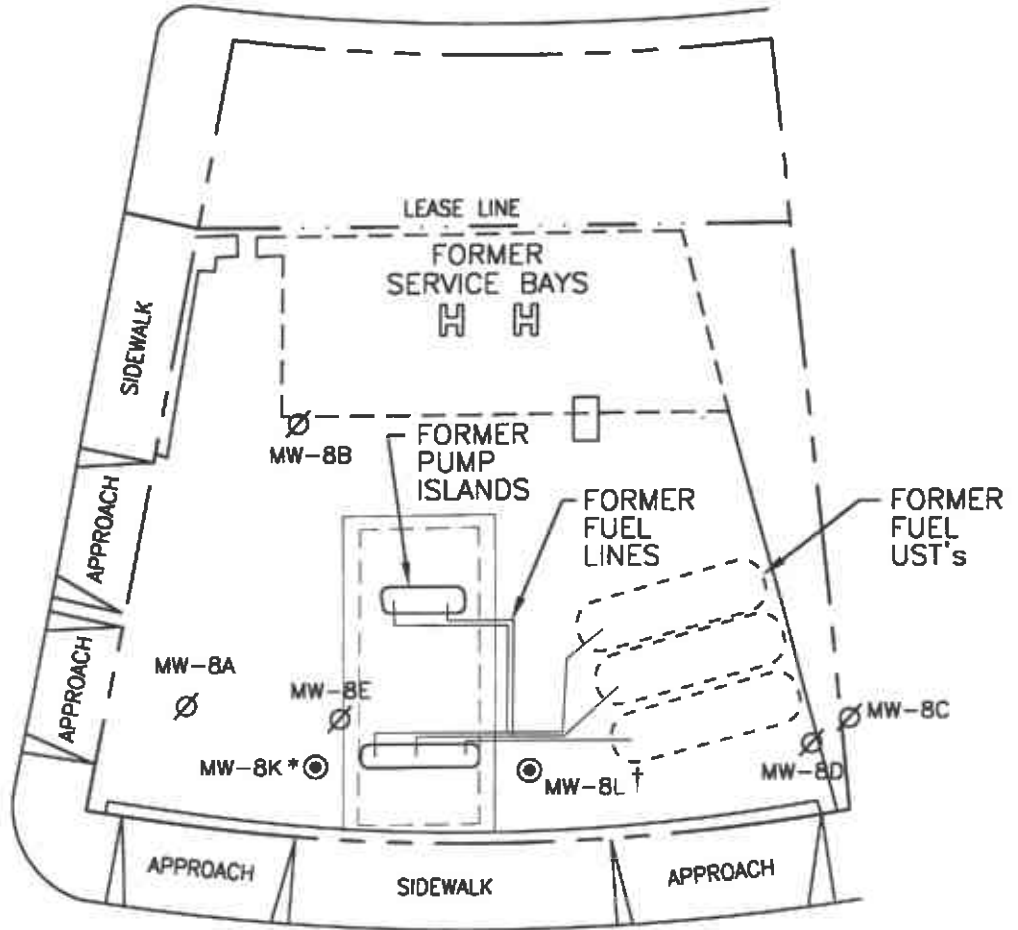
CHECKED BY

DRAWN BY L. Wohlgren 5-24-00

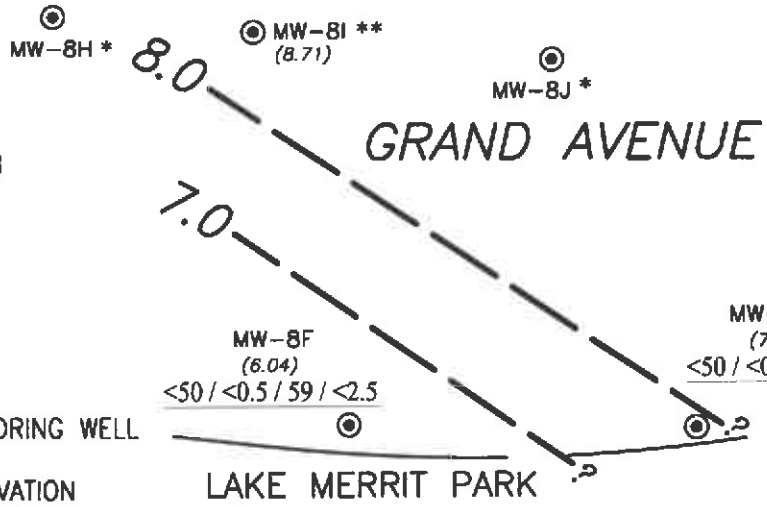


EUCLID AVENUE

BARK STREET



APPROXIMATE DIRECTION OF GROUNDWATER FLOW
APPROXIMATE GRADIENT = 0.028



LEGEND

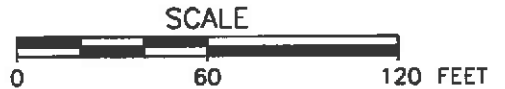
- ⊙ GROUNDWATER MONITORING WELL
- ∅ ABANDONED MONITORING WELL

(6.04) GROUNDWATER ELEVATION (FT.-MSL); 2-29-00

--- GROUNDWATER ELEVATION CONTOUR (FT.-MSL)

<50 / <0.5 / 59 / <2.5 TPHP/BENZENE/TEPH/MtBE by EPA METHOD 8020 CONCENTRATIONS IN GROUNDWATER (PARTS PER BILLION); SAMPLES COLLECTED 2-29-00

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



EQUVA SERVICES LLC
FORMER TEXACO SERVICE STATION

FIGURE 1
GROUNDWATER MONITORING MAP
FIRST 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

MAY 01 2000

April 25, 2000

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

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

Monitoring performed on February 29, 2000

Groundwater Monitoring Report **000229-G-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.

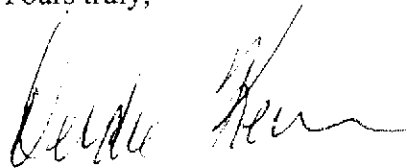
Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

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: 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.)	D.O Reading mg/L
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.)	D.O Reading mg/L
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-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.)	D.O Reading mg/L
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

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.)	D.O Reading mg/L
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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-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

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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-8I	01/23/1992	820	210	420	7	27	20	NA	NA	98.27	6.33	91.94	NA	NA
MW-8I	02/28/1992	NA	NA	NA	NA	NA	NA	NA	NA	98.27	6.55	91.72	NA	NA
MW-8I	03/26/1992	NA	NA	NA	NA	NA	NA	NA	NA	98.27	6.45	91.82	NA	NA
MW-8I	04/30/1992	2,200	430	1,800	19	180	25	NA	NA	98.27	6.48	91.79	NA	NA
MW-8I	09/28/1992	Well inaccessible		NA	NA	NA	NA	NA	NA	98.27	NA	NA	NA	NA
MW-8I	11/19/1992	720	NA	120	1.1	29	13	NA	NA	98.27	6.37	91.90	NA	NA
MW-8I	02/12/1993	4,000	NA	970	9.2	52	36	NA	NA	98.27	6.44	91.83	NA	NA
MW-8I	05/06/1993	1,400	<10	370	2.4	40	8.4	NA	NA	98.27	6.36	91.91	NA	NA
MW-8I	08/16/1993	<50	<50	3.1	<0.5	6	<0.5	NA	NA	14.40	6.35	8.05	NA	NA
MW-8I	10/12/1993	<50	<50	1.4	<0.5	<0.5	<0.5	NA	NA	14.40	5.99	8.41	NA	NA
MW-8I	02/03/1994	1,000	<50	270	3.2	51	14	NA	NA	14.40	5.84	8.56	NA	NA
MW-8I	05/31/1994	1,400	<50	330	4.6	52	16	NA	NA	14.40	6.25	8.15	NA	NA
MW-8I	08/25/1994	540	<50	14	0.58	30	4.3	NA	NA	14.40	6.31	8.09	NA	NA
MW-8I	11/02/1994	310	370	5.7	0.74	20	<0.5	NA	NA	14.40	6.10	8.30	NA	NA
MW-8I	01/31/1995	840	910	290	4.5	45	1.6	NA	NA	14.40	5.83	8.57	NA	NA

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

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MW-8J	05/06/1993	<50	<10	<0.5	<0.5	<0.5	<0.5	NA	NA	97.69	6.21	91.48	NA	NA
MW-8J	08/16/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	6.29	7.53	NA	NA
MW-8J	10/12/1993	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	5.87	7.95	NA	NA
MW-8J	02/03/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	5.98	7.84	NA	NA
MW-8J	05/31/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	6.10	7.72	NA	NA
MW-8J	08/25/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	6.01	7.81	NA	NA
MW-8J	11/02/1994	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	5.90	7.92	NA	NA
MW-8J	01/31/1995	<50	<50	3.7	<0.5	<0.5	<0.5	NA	NA	13.82	5.07	8.75	NA	NA
MW-8J	05/18/1995	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	5.33	8.49	NA	NA
MW-8J	08/29/1995	<50	250	<0.5	<0.5	<0.5	<0.5	<10	NA	13.82	3.50	10.32	NA	NA
MW-8J	11/02/1995	<50	520	<0.5	<0.5	<0.5	<0.5	<10	NA	13.82	5.94	7.88	NA	NA
MW-8J	02/05/1996	<50	65	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	5.34	8.48	NA	NA
MW-8J	04/30/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	5.96	7.86	NA	NA
MW-8J	08/28/1996	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	6.38	7.44	NA	NA
MW-8J	12/05/1996	160	<50	13	14	8.9	38	<30	NA	13.82	5.94	7.88	NA	NA
MW-8J	02/21/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	13.82	5.60	8.22	NA	NA
MW-8J	05/02/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	13.82	6.22	7.60	NA	NA
MW-8J	07/30/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	13.82	6.28	7.54	NA	NA
MW-8J	11/05/1997	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	13.82	6.03	7.79	NA	NA
MW-8J	01/21/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<30	NA	13.82	5.71	8.11	NA	NA
MW-8J	06/03/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	NA	13.82	5.45	8.37	NA	NA
MW-8J	08/04/1998	<50	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	13.82	5.93	7.89	NA	NA
MW-8J	11/05/1998	<50	<50	2.0	<0.50	<0.50	<0.50	<2.5	NA	13.82	6.05	7.77	NA	NA
MW-8J	11/03/1999	<50.0	58.9	<0.500	<0.500	<0.500	<0.500	<5.00	<2.00	13.82	5.84	7.98	NA	NA
MW-8K	05/21/1993	54	<50	12	<0.5	<0.5	<0.5	NA	NA	15.18	NA	NA	NA	NA

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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-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

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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

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

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 Water	GW	SPH	D.O Reading
		(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)			(MSL)	(ft.)	

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

ug/L = parts per billion

mg/L = parts per million

msl = Mean sea level

ft = Feet

<n = Below detection limit

D = Duplicate sample

NA = Not Applicable

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

March 20, 2000

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

RE: Equiva 500 Grand Avenue, Oakland

Dear Nick Sudano

Enclosed are the results of analyses for sample(s) received by the laboratory on March 1, 2000. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kayvan Kimyai
Project Manager D.M.

CA ELAP Certificate Number 1210



Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Equiva Project Number: 500 Grand Ave., Oakland Project Manager: Nick Sudano	Sampled: 2/29/00 Received: 3/1/00 Reported: 3/20/00 15:16
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ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
MW-8F	MJC0020-01	Water	2/29/00
MW-8G	MJC0020-02	Water	2/29/00



Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Equiva Project Number: 500 Grand Ave., Oakland Project Manager: Nick Sudano	Sampled: 2/29/00 Received: 3/1/00 Reported: 3/20/00 15:16
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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Morgan Hill**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
<u>MW-8F</u>				<u>MJC0020-01</u>			<u>Water</u>	
Purgeable Hydrocarbons	0C10004	3/10/00	3/10/00	DHS LUFT	50.0	ND	ug/l	
Benzene	"	"	"	DHS LUFT	0.500	ND	"	
Toluene	"	"	"	DHS LUFT	0.500	ND	"	
Ethylbenzene	"	"	"	DHS LUFT	0.500	ND	"	
Xylenes (total)	"	"	"	DHS LUFT	0.500	ND	"	
Methyl tert-butyl ether	"	"	"	DHS LUFT	2.50	ND	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	"	"	"	70-130		104	%	
<u>MW-8G</u>				<u>MJC0020-02</u>			<u>Water</u>	
Purgeable Hydrocarbons	0C10004	3/10/00	3/10/00	DHS LUFT	50.0	ND	ug/l	
Benzene	"	"	"	DHS LUFT	0.500	ND	"	
Toluene	"	"	"	DHS LUFT	0.500	ND	"	
Ethylbenzene	"	"	"	DHS LUFT	0.500	ND	"	
Xylenes (total)	"	"	"	DHS LUFT	0.500	ND	"	
Methyl tert-butyl ether	"	"	"	DHS LUFT	2.50	ND	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	"	"	"	70-130		104	%	



Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Equiva Project Number: 500 Grand Ave., Oakland Project Manager: Nick Sudano	Sampled: 2/29/00 Received: 3/1/00 Reported: 3/20/00 15:16
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**Conventional Chemistry Parameters by APHA/EPA Methods
Sequoia Analytical - Morgan Hill**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
<u>MW-8F</u>				<u>MJC0020-01</u>				
Total Oil & Grease	0C13008	3/13/00	3/13/00	SM 5520B/F	5.00	ND	mg/l	
<u>MW-8G</u>				<u>MJC0020-02</u>				
Total Oil & Grease	0C13008	3/13/00	3/13/00	SM 5520B/F	5.00	ND	mg/l	



Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Equiva Project Number: 500 Grand Ave., Oakland Project Manager: Nick Sudano	Sampled: 2/29/00 Received: 3/1/00 Reported: 3/20/00 15:16
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**Diesel Hydrocarbons (C9-C24) by DHS LUFT
Sequoia Analytical - Walnut Creek**

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
MW-8F				MJC0020-01			Water	
Diesel Range Hydrocarbons	0C13017	3/13/00	3/16/00	EPA 8015M	50	59	ug/l	D-06.D-12
<i>Surrogate: n-Pentacosane</i>	"	"	"	50-150		109	%	
MW-8G				MJC0020-02			Water	
Diesel Range Hydrocarbons	0C13017	3/13/00	3/14/00	EPA 8015M	50	90	ug/l	D-06.D-12
<i>Surrogate: n-Pentacosane</i>	"	"	"	50-150		105	%	



Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Equiva Project Number: 500 Grand Ave., Oakland Project Manager: Nick Sudano	Sampled: 2/29/00 Received: 3/1/00 Reported: 3/20/00 15:16
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**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT/Quality Control
Sequoia Analytical - Morgan Hill**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Reporting Units	Limit	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0C10004			Date Prepared: 3/10/00			Extraction Method: EPA 5030B [P/T]				
Blank			0C10004-BLK1							
Purgeable Hydrocarbons	3/10/00			ND	ug/l	50.0				
Benzene	"			ND	"	0.500				
Toluene	"			ND	"	0.500				
Ethylbenzene	"			ND	"	0.500				
Xylenes (total)	"			ND	"	0.500				
Methyl tert-butyl ether	"			ND	"	2.50				
Surrogate: a,a,a-Trifluorotoluene	"	10.0		10.6	"	70-130	106			
LCS			0C10004-BS1							
Benzene	3/10/00	10.0		11.7	ug/l	70-130	117			
Toluene	"	10.0		10.7	"	70-130	107			
Ethylbenzene	"	10.0		9.88	"	70-130	98.8			
Xylenes (total)	"	30.0		30.0	"	70-130	100			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		10.8	"	70-130	108			
Matrix Spike			0C10004-MS1 MJC0020-01							
Benzene	3/10/00	10.0	ND	11.4	ug/l	60-140	114			
Toluene	"	10.0	ND	10.4	"	60-140	104			
Ethylbenzene	"	10.0	ND	9.54	"	60-140	95.4			
Xylenes (total)	"	30.0	ND	29.1	"	60-140	97.0			
Surrogate: a,a,a-Trifluorotoluene	"	10.0		10.5	"	70-130	105			
Matrix Spike Dup			0C10004-MSD1 MJC0020-01							
Benzene	3/10/00	10.0	ND	10.6	ug/l	60-140	106	25	7.27	
Toluene	"	10.0	ND	9.42	"	60-140	94.2	25	9.89	
Ethylbenzene	"	10.0	ND	8.88	"	60-140	88.8	25	7.17	
Xylenes (total)	"	30.0	ND	26.8	"	60-140	89.3	25	8.23	
Surrogate: a,a,a-Trifluorotoluene	"	10.0		10.1	"	70-130	101			



Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Equiva Project Number: 500 Grand Ave., Oakland Project Manager: Nick Sudano	Sampled: 2/29/00 Received: 3/1/00 Reported: 3/20/00 15:16
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**Conventional Chemistry Parameters by APHA/EPA Methods/Quality Control
Sequoia Analytical - Morgan Hill**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0C13008			Date Prepared: 3/13/00			Extraction Method: General Prep				
Blank			0C13008-BLK1							
Total Oil & Grease	3/13/00			ND	mg/l	5.00				
LCS			0C13008-BS1							
Total Oil & Grease	3/13/00	10.0		9.10	mg/l	70-130	91.0			
LCS Dup			0C13008-BSD1							
Total Oil & Grease	3/13/00	10.0		8.70	mg/l	70-130	87.0	30	4.49	



Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Equiva Project Number: 500 Grand Ave., Oakland Project Manager: Nick Sudano	Sampled: 2/29/00 Received: 3/1/00 Reported: 3/20/00 15:16
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**Diesel Hydrocarbons (C9-C24) by DHS LUFT/Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 0C13017			Date Prepared: 3/13/00			Extraction Method: EPA 3510B				
Blank			0C13017-BLK1							
Diesel Range Hydrocarbons	3/15/00			ND	ug/l	50				
Surrogate: <i>n</i> -Pentacosane	"	33.3		32.0	"	50-150	96.1			
LCS			0C13017-BS1							
Diesel Range Hydrocarbons	3/15/00	500		537	ug/l	60-140	107			
Surrogate: <i>n</i> -Pentacosane	"	33.3		42.0	"	50-150	126			
LCS Dup			0C13017-BSD1							
Diesel Range Hydrocarbons	3/15/00	500		426	ug/l	60-140	85.2	50	23.3	
Surrogate: <i>n</i> -Pentacosane	"	33.3		35.0	"	50-150	105			



Blaine Tech Services (Shell) 1680 Rogers Avenue San Jose, CA 95112	Project: Equiva Project Number: 500 Grand Ave., Oakland Project Manager: Nick Sudano	Sampled: 2/29/00 Received: 3/1/00 Reported: 3/20/00 15:16
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Notes and Definitions

#	Note
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- D-06 Discrete peaks.
- D-12 Chromatogram Pattern: Unidentified Hydrocarbons > C16
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- Recov. Recovery
- RPD Relative Percent Difference

BLAINE

TECH SERVICES INC.

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1106
 FAX (408) 573-7771
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB SEQUOIA

DHS #

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

- EPA
- LIA
- OTHER

RWQCB REGION

CHAIN OF CUSTODY
000229-61

CLIENT
 Equiva - Karen Petryna

SITE
 500 Grand Avenue
 Oakland, CA

C = COMPOSITE ALL CONTAINERS

SAMPLE I.D.	S = SOIL W = H2O	MATRIX	TOTAL	CONTAINERS	TPH - gas, BTEX	MTBE by 8020	MTBE by 8260	TPH-diesel	Oxygenates by 8260	1,2-DCA & EDB by 8010	Other
MW-8F	2/2/00	920	W	7	Mixed	X	X	X			X
MW-8G	"	956	W	7	"	X	X	X			X

O+G by 5520

SPECIAL INSTRUCTIONS

Send invoice to Equiva

Incident # 88870189

Send report to Blaine Tech Services

Attn: Ann Pember

ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			1
			2
			3
			4
			5
			6
			7
			8
			9
			10
			11
			12
			13
			14
			15
			16
			17
			18
			19
			20

MTC 0020

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN	
	2/2/00	10:55	[Signature]		
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[Signature]	3/1/00	11:50	[Signature]	3/1/00	11:50
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[Signature]	3/1/00		PN (111)	3/1/00	13:33
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
SHIPPED VIA	DATE SENT	TIME SENT	COOLER #		

WELL GAUGING DATA

Project # 000229-G1 Date 2/29/00 Client Equiva 624880235

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 POC	Free Pore D.O. mg/L
MW-8F	4					8.00	14.35	↓	6.0
MW-8G	4					5.43	14.30		3.4
MW-8I	4					5.69	14.50		11.1 v.

EQUIVA WELL MONITORING DATA SHEET

Project #: <u>000229-61</u>	Job # <u>624880235</u>
Sampler: <u>MB</u>	Date: <u>2/29/00</u>
Well I.D.: <u>MW-8F</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>14.35</u>	Depth to Water: <u>8.00</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

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 Other: _____

Sampling Method: Bailer Extraction Port Other: _____

<u>4.1</u>	x	<u>3</u>	=	<u>12.3</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<u>907</u>	<u>59.1</u>	<u>8.7</u>	<u>2820</u>	<u>35</u>	<u>5</u>	
<u>911</u>	<u>59.9</u>	<u>8.6</u>	<u>2440</u>	<u>59</u>	<u>9</u>	
<u>915</u>	<u>59.8</u>	<u>8.5</u>	<u>2420</u>	<u>83</u>	<u>13</u>	

Did well dewater? Yes No Gallons actually evacuated: 13

Sampling Time: 920 Sampling Date: 2/29/00

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

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

D.O. (if req'd): Pre-purge: 6.0 mg/L Post-purge: 1.4 mg/L

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

EQUIVA WELL MONITORING DATA SHEET

Project #: <u>000229-61</u>	Job # <u>624880235</u>
Sampler: <u>MG</u>	Date: <u>2/29/00</u>
Well I.D.: <u>MW-86</u>	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: <u>14.30</u>	Depth to Water: <u>5.43</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

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 Other: _____

Sampling Method: Bailer Extraction Port Other: _____

<u>5.8</u>	<u>x</u>	<u>3</u>	<u>=</u>	<u>17.4</u>	Gals.
1 Case Volume (Gals.)		Specified Volumes		Calculated Volume	

Time	Temp (°F)	pH	Cond.	Turbidity	Gals. Removed	Observations
<u>939</u>	<u>59.0</u>	<u>8.6</u>	<u>3650</u>	<u>32</u>	<u>6</u>	
<u>945</u>	<u>58.9</u>	<u>8.8</u>	<u>4000</u>	<u>37</u>	<u>12</u>	
<u>951</u>	<u>59.6</u>	<u>8.6</u>	<u>4046</u>	<u>35</u>	<u>18</u>	

Did well dewater? Yes No Gallons actually evacuated: 18

Sampling Time: 956 Sampling Date: 2/29/00

Sample I.D.: MW-86 Laboratory: Sequoia BC Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Other: DTG+5520

D.O. (if req'd): Pre-purge: 5.4 mg/L Post-purge: 1.8 mg/L

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

ATTACHMENT B
ECOLOGICAL PROTECTION ZONE TIER 1 STANDARDS

Table 2: ECOLOGICAL PROTECTION ZONE TIER 1 STANDARDS

Chemical Constituent	Maximum Soil Concentration	Maximum Groundwater Concentration	Basis for Standard (Limiting Factor)
	mg/kg	µg/L	
1. Benzene (B)	2.73	71	Soil: OLM Water: USEPA WQC (USEPA, 1997)
2. Benzo(a)pyrene	0.064	0.031	Soil: OLM Water: USEPA WQC (USEPA, 1997)
3. Carbon Tetrachloride	0.057	3.8	Soil: OLM Water: CA WQO (SWRCB, 1993)
4. Chloroethane	2.3	99	Soil: OLM Water: 1,2 -DCA
5. Chloroform	19	470	Soil: OLM Water: USEPA WQC (USEPA, 1997)
6. 1,1-Dichloroethane (1,1-DCA)	2.5	99	Soil: OLM Water: 1,2 -DCA
7. 1,2-Dichloroethane (1,2-DCA)	1.9	99	Soil: OLM Water: USEPA WQC (USEPA, 1997)
8. 1,1-Dichloroethene (1,1-DCE)	2.5	3.2	Soil: OLM Water: CA WQO (SWRCB, 1993)
9. 1,2-Dichloroethene (1,2-DCE)	8,818	22,400	Soil: OLM Water: USEPA WQC (MC/10) (USEPA, 1997)
10. Ethylbenzene (E)	13	86	Soil: OLM Water: USEPA WQC (MC/5) (USEPA, 1997)
11. Methylene Chloride (MC)	89	1,600	Soil: OLM Water: USEPA WQC (USEPA, 1997)
12. 2-Methylnaphthalene	456	470	Soil: OLM Water: Naphthalene
13. Methyl Tertiary Butyl Ether (MTBE)	447	8,000	Soil: OLM Water: Tentative Criteria (RWQCB, 1998)
14. Naphthalene	402	470	Soil: OLM Water: USEPA WQC (MC/5) (USEPA, 1997)
15. Oil & Grease (TOG)	Site Specific	Site Specific	
16. Phenol	5.8	500	Soil: OLM Water: Basin Plan SWEL (RWQCB, 1995)

Table 2: ECOLOGICAL PROTECTION ZONE TIER 1 STANDARDS

Chemical Constituent	Maximum Soil Concentration	Maximum Groundwater Concentration	Basis for Standard (Limiting Factor)
	mg/kg	µg/L	
17. Polynuclear Aromatic Hydrocarbons (PAHs), Noncarcinogenic	19	15	Soil: OLM Water: Basin Plan SWEL (RWQCB, 1995)
18. Polychlorinated Biphenyls/Aroclor (Total PCBs)	0.0000014	0.0002*	Soil: OLM Water: USEPA WQC (USEPA, 1997) * recalculated (USEPA, 1996)
19. Stoddard Solvent	979	680	Soil: Kd Water: Stoddard Solvent Bioassay (BMWCI, 1997)
20. Tetrachloroethylene (PCE)	0.29	6.9	Soil: OLM Water: CA WQO (SWRCB, 1993)
21. Toluene (T)	930	5,000	Soil: OLM Water: USEPA WQC (USEPA, 1997)
22. Total Petroleum Hydrocarbons as Diesel (TPH-d)	518	640	Soil: Kd = 810 Water: Bioassay (Task 3B) Report (BMWCI, 1997) (RWQCB, 1998)
23. Total Petroleum Hydrocarbons as Gasoline (TPH-g)	629	3,700	Soil: Kd = 170 Water: Bioassay (Task 3B) Report (BMWCI, 1997) (RWQCB, 1998)
24. Total Petroleum Hydrocarbons as Jet Fuel (TPH-j)	640	640	Soil: Kd = 1,000 Water: Bioassay (Task 3B) Report (BMWCI, 1997) (RWQCB, 1998)
25. 1,1,1-Trichloroethane (1,1,1-TCA)	827	3,120	Soil: OLM Water: USEPA WQC (MC/10) (USEPA, 1997)
26. 1,1,2-Trichloroethane (1,1,2-TCA)	0.76	42	Soil: OLM Water: USEPA WQC (USEPA, 1997)
27. Trichloroethylene (TCE)	4.3	81	Soil: OLM Water: USEPA WQC (USEPA, 1997)
28. Vinyl Chloride (VC)	0.72	34	Soil: OLM Water: CA WQO (SWRCB, 1993)
29. Xylene (X)	358	2,200	Soil: OLM Water: PHYTOTOX database (USEPA, 1995)

ATTACHMENT C
HISTORICAL SOIL ANALYTICAL DATA

Table 5. Results of Analyses on Soil Samples
 from Tank Excavation and Dispenser Islands
 500 Grand Avenue
 Oakland, California

Results Presented in mg/kg (ppm)

<u>Sample I.D.*</u>	<u>Date</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl benzene</u>	<u>Xylenes</u>	<u>TPH as gasoline</u>	<u>Total Oil and Grease</u>
SS1/10-B	04/14/92	<0.005	0.038	0.016	0.12	5.3	--
SS2/10-B	04/14/92	0.049	0.38	0.15	1.4	89	--
SS3/ 5-W	04/14/92	<0.005	<0.005	<0.005	0.011	<1.0	--
SS4/10-B	04/14/92	0.14	0.21	0.17	1.1	130	--
SS5/10-B	04/14/92	0.20	0.028	0.040	0.15	36	--
SS6/10-B	04/14/92	0.0057	<0.005	<0.005	0.017	2.3	--
SS7/ 5-W	04/14/92	<0.005	<0.005	<0.005	<0.005	<1.0	--
SS8/ 5-W	04/14/92	<0.005	<0.005	<0.005	<0.005	<1.0	--
SS9/ 5-W	04/14/92	0.0069	<0.005	<0.005	<0.005	<1.0	--
PI-1/5	04/15/92	11	60	32	180	2,100	190
PI-2/5	04/15/92	0.019	0.013	0.035	0.077	7.8	30
PI-2A/6	04/15/92	1.3	1.1	2.0	11	810	6,900
Fuel Line/5	04/15/92	0.92	2.9	3.6	21	390	36

* Sample I.D. contains the following components: SS1 = sample name
 10 = depth of sample in feet
 B = bottom of excavation
 W = sidewall of excavation

Table 6. Results of Analyses on Soil Samples
 from Site Excavation
 500 Grand Avenue
 Oakland, California

Results Presented in mg/kg (ppm)

Sample I.D.*	Date	Benzene	Toluene	Ethyl benzene	Xylenes	TPH as Gasoline
BE-1-8.0	05/05/92	0.043	<0.005	0.058	<0.005	1.1
BE-2-8.0	05/05/92	0.011	<0.005	<0.005	<0.005	<1.0
BE-3-4.0	05/05/92	<0.005	<0.005	<0.005	<0.005	<1.0
BE-4-4.5	05/05/92	<0.005	<0.005	<0.005	<0.005	<1.0
BE-5-7.5	05/05/92	0.018	<0.005	<0.005	<0.005	<1.0
BE-6-7.5	05/05/92	<0.005	<0.005	<0.005	<0.005	<1.0
BE-7-8.0	05/05/92	<0.005	<0.005	<0.005	<0.005	<1.0
BE-8-8.0	05/05/92	0.028	<0.005	<0.005	<0.005	<1.0
BE-9-9.0	05/05/92	<0.005	<0.005	<0.005	<0.005	<1.0
BE-10-9.0	05/05/92	<0.005	<0.005	<0.005	<0.005	<1.0
WS-1-3.0	05/05/92	<0.005	<0.005	<0.005	<0.005	<1.0
WS-2-5.0	05/05/92	1.1	3.1	2.2	9.7	72
WS-3-7.5	05/05/92	<0.005	<0.005	<0.005	<0.005	<1.0
WS-4-5.0	05/05/92	22	28	30	100	1,000
WS-5-5.0	05/05/92	11	23	9.9	42	480

* Sample I.D. contains the following components: BE-1 = Sample name
 8.0 = Sample depth (in feet)
 BE = Bottom of excavation
 WS = Wall of excavation