



SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
 (415) 364-9800 • FAX (415) 364-9233

Blymyer Engineers	Client Project ID: 93049	Sampled: Jun 15, 1993
1829 Clement Street	Sample Matrix: Water	Received: Jun 16, 1993
Alameda, CA 94501-1398	Analysis Method: EPA 3510/3520/8015	Reported: Jun 30, 1993
Attention: Mike Lewis	First Sample #: 3F83804	

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit µg/L	Sample I.D. 3F83804 GW-1
Extractable Hydrocarbons	50	540

Chromatogram Pattern: Non-Diesel Mix >C11

Quality Control Data

Report Limit	
Multiplication Factor:	1.0
Date Extracted:	6/22/93
Date Analyzed:	6/24/93
Instrument Identification:	GCHP-5

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
 Analytes reported as N.D. were not detected above the stated reporting limit.

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Andrea Fulcher
 Andrea Fulcher
 Project Manager



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Blymyer Engineers	Client Project ID: 93049	Sampled: Jun 15, 1993
1829 Clement Street	Sample Matrix: Water	Received: Jun 16, 1993
Alameda, CA 94501-1395	Analysis Method: EPA 5030/8020	Reported: Jun 30, 1993
Attention: Mike Lewis	First Sample #: 3F83804	

BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 3F83804 GW-1
Benzene	0.50	N.D.
Toluene	0.50	N.D.
Ethyl Benzene	0.50	N.D.
Total Xylenes	0.50	N.D.

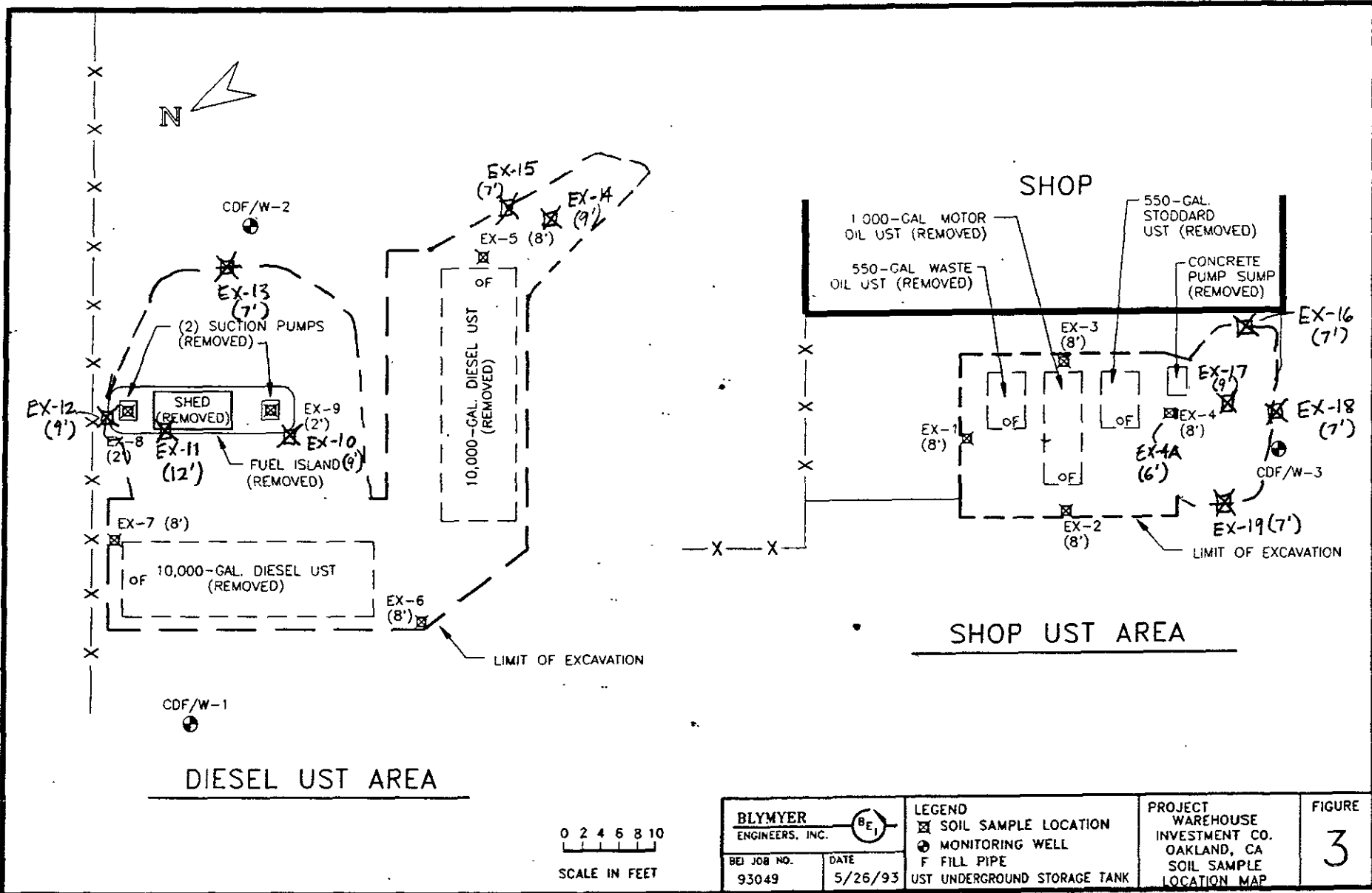
Quality Control Data

Report Limit Multiplication Factor:	5.0
Date Analyzed:	6/23/93
Instrument Identification:	GCHP-3
Surrogate Recovery, %: (QC Limits = 70-130%)	109

Analytes reported as N.D. were not detected above the stated reporting limit.

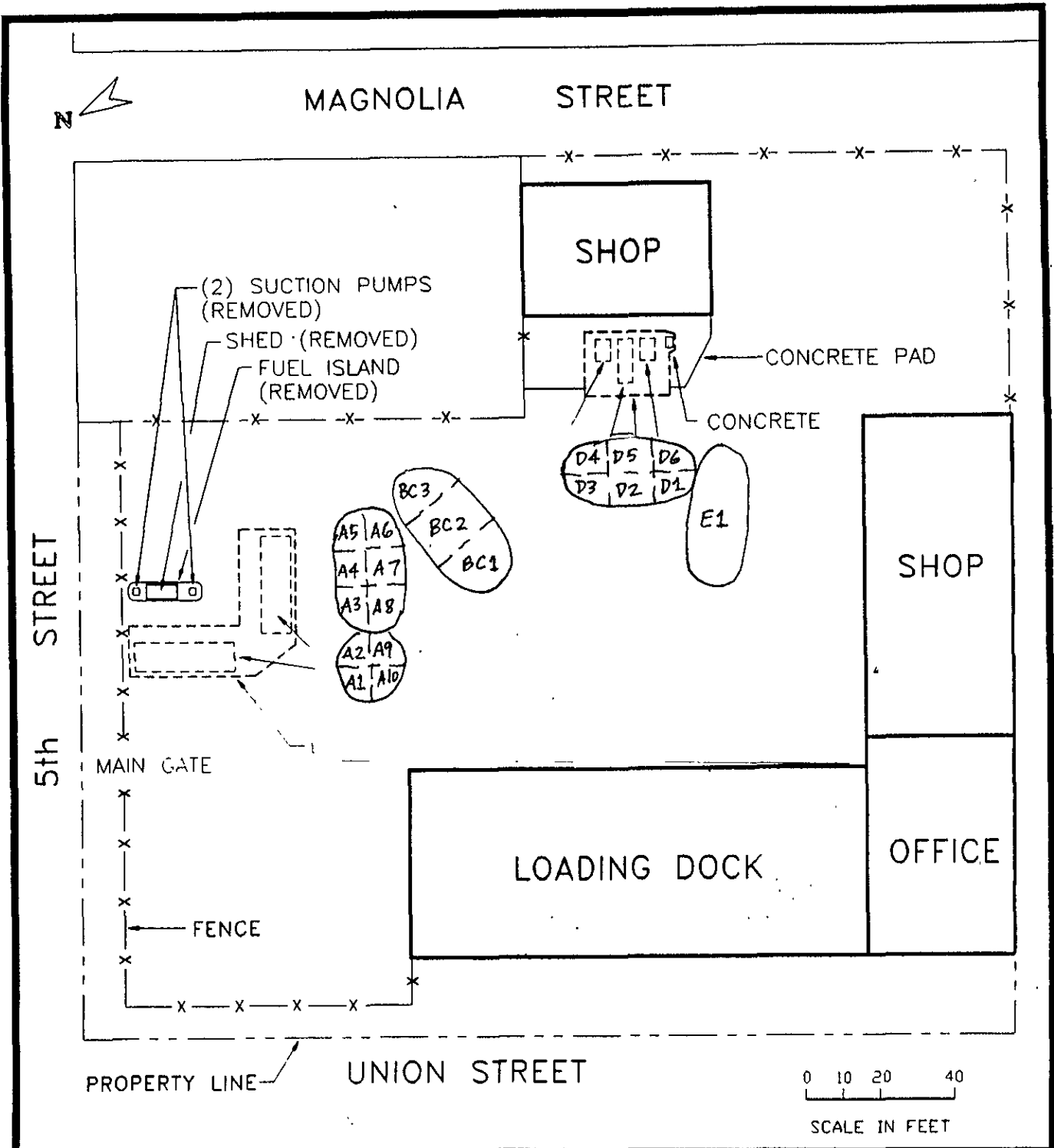
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Andrea J. Fulcher
 Andrea Fulcher
 Project Manager



0 2 4 6 8 10
SCALE IN FEET

BLYMYER ENGINEERS, INC.			LEGEND SOIL SAMPLE LOCATION MONITORING WELL FILL PIPE UST UNDERGROUND STORAGE TANK	PROJECT WAREHOUSE INVESTMENT CO. OAKLAND, CA SOIL SAMPLE LOCATION MAP	FIGURE 3
BEI JOB NO. 93049	DATE 5/26/93				



BLMYER
ENGINEERS, INC.

BEI JOB NO.
93049

DATE
5/25/93

LEGEND
UST = UNDERGROUND STORAGE TANK

PROJECT
WAREHOUSE INVESTMENT CO.
OAKLAND, CA
SITE PLAN

FIGURE
2

Table I, Summary of Excavation Soil Sample Analytical Results
 Warehouse Investment Company
 324 Union Street, Oakland, California
 BEI Job No. 93049

After tank removal

Sample I.D.	Date	PID (ppm)	TPH-G	TPH-D	O&G	BTEX*	VOCs	SVOCs*	PCBs	Cd	Cr	Ni	Pb	Zn
			8015M	8015M	418.1	8020	8240	8270	8080	6010	6010	6010	6010	6010
			mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EX-1 (8')	5/5/93	0	<1.0	<1.0	15	NA	ND	ND	ND	<0.5	94	340	<5.0	36
EX-2 (8')	5/5/93	0	NA	NA	16	NA	NA	NA	NA	NA	NA	NA	NA	NA
EX-3 (8')	5/5/93	0	<1.0	11	150 <i>left</i>	NA	ND	Chrysene (100) Fluorene (110) Pyrene (120)	ND	<0.5	28	45	34	46
EX-4 (8')	5/5/93	1.7	<1.0	<1.0	50	NA	ND	ND	ND	<0.5	22	19	<5.0	15
EX-5 (8')	5/5/93	8	NA	4.100 <i>order</i>	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
EX-6 (8')	5/5/93	0.4	NA	<1.0	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
EX-7 (8')	5/5/93	19.4	NA	830 <i>left</i>	NA	X (0.60)	NA	NA	NA	NA	NA	NA	NA	NA
EX-8 (2')	5/5/93	0.6	NA	<1.0	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
EX-9 (2')	5/5/93	25	NA	13.000 <i>order</i>	NA	B (0.59) E (2.5) X (9.3)	NA	NA	NA	NA	NA	NA	NA	NA

PID = Photoionization Detector
 ppm = parts per million
 TPH-G = Total Petroleum Hydrocarbons as Gasoline
 TPH-D = Total Petroleum Hydrocarbons as Diesel
 O&G = Oil & Grease
 BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes
 VOCs = Volatile Organic Compounds
 SVOCs = Semi-volatile Organic Compounds
 PCBs = Polychlorinated Biphenyls
 Cd = Cadmium
 Cr = Chromium
 Ni = Nickel
 Pb = Lead
 Zn = Zinc

mg/kg = milligrams per kilogram
 µg/kg = micrograms per kilogram
 ND = Not Detected
 NA = Not Analyzed

* Only analytes detected over the method reporting limit are shown

For results shown as < x, x represents the method reporting limit

Table II, Summary of Overexcavation Soil Sample Analytical Results
Warehouse Investment Company
324 Union Street, Oakland, California
BEI Job No. 93049

Sample I.D.	Date	PID (ppm)	TPH-G	TPH-D	TPH-SO	TRPH	Benzene	Toluene	Ethylbenzene	Xylenes
			8015M	8015M	8015M	418.1	8020	8020	8020	8020
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EX-10 (9')	6/15/93	1.5	NA	<1.0	NA	NA	<0.005	<0.005	<0.005	<0.005
EX-11 (12')	6/15/93	0.6	NA	<1.0	NA	NA	<0.005	<0.005	<0.005	<0.005
EX-12 (9')	6/15/93	14.8	NA	<1.0	NA	NA	<0.005	<0.005	<0.005	<0.005
EX-13 (7')	6/15/93	1.2	NA	<1.0	NA	NA	<0.005	<0.005	<0.005	<0.005
EX-14 (9')	6/15/93	1.8	NA	<1.0	NA	NA	<0.005	<0.005	<0.005	<0.005
EX-15 (7')	6/15/93	0.6	NA	<1.0	NA	NA	<0.005	<0.005	<0.005	<0.005
EX-4A (6')	6/15/93	650	NA	8,400	4,200	1,900	NA	NA	NA	NA
EX-16 (7')	6/18/93	847	710 <i>left</i>	22	22	16	<0.005	<0.005	<0.005	7.0
EX-17 (9')*	6/18/93	19	<1.0	<1.0	<1.0	20	<0.005	<0.005	<0.005	<0.005
EX-18 (7')*	6/18/93	322	21	15	6.9	20	<0.005	0.013	0.063	0.12
EX-19 (7')	6/18/93	186	2.6	<1.0	<1.0	150	<0.005	<0.005	0.020	0.10

PID = Photoionization Detector
 ppm = parts per million
 TPH-G = Total Petroleum Hydrocarbons as Gasoline
 TPH-D = Total Petroleum Hydrocarbons as Diesel
 TPH-SO = Total Petroleum Hydrocarbons as Stoddard Solvent
 TRPH = Total Recoverable Petroleum Hydrocarbons

mg/kg = milligrams per kilogram
 NA = Not Analyzed

For results shown as <x, x represents the method reporting limit

* Both samples accidentally labelled "EX-18" in the field. Laboratory arbitrarily designated samples "EX-18A" and "EX-18B". PID screening results used to assign detectable concentrations of TPH-G and volatile aromatics to sample "EX-18".

Table III, Summary of Soil Stockpile Sample Analytical Results
Warehouse Investment Company
324 Union Street, Oakland, California

Sample I.D.	Date	Lead	WET Lead	TPH-G	TPH-D	TPH-SO	TRPH	Benzene	Toluene	Ethylbenzene	Xylenes
				8015M	8015M	8015M	418.1	8020	8020	8020	8020
		mg/kg	mg/L	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SP-A1	6/21/93	<5.0	NA	<1.0	<1.0	NA	NA	<0.005	<0.005	<0.005	<0.005
SP-A2	6/21/93	<5.0	NA	<1.0	51	NA	NA	<0.005	<0.005	<0.005	<0.005
SP-A3	6/21/93	16	NA	<1.0	2.4	NA	NA	<0.005	<0.005	<0.005	<0.005
SP-A4	6/21/93	66		<1.0	<1.0	NA	NA	<0.005	<0.005	<0.005	<0.005
SP-A5	6/21/93	<5.0	NA	<1.0	1.6	NA	NA	<0.005	<0.005	<0.005	<0.005
SP-A6	6/21/93	31	NA	<1.0	810	NA	NA	<0.005	<0.005	<0.005	<0.005
SP-A7	6/21/93	5.1	NA	<1.0	<1.0	NA	NA	<0.005	<0.005	<0.005	<0.005
SP-A8	6/21/93	8.0	NA	<1.0	93	NA	NA	<0.005	<0.005	<0.005	<0.005
SP-A9	6/21/93	19	NA	<1.0	<1.0	NA	NA	<0.005	<0.005	<0.005	<0.005
SP-A10	6/21/93	<5.0	NA	<1.0	1.3	NA	NA	<0.005	<0.005	<0.005	<0.005
SP-BC1	6/21/93	6.4	NA	NA	900	NA	NA	NA	NA	NA	NA
SP-BC2	6/21/93	10	NA	NA	890	NA	NA	NA	NA	NA	NA
SP-BC3	6/21/93	22	NA	NA	510	NA	NA	NA	NA	NA	NA
SP-D1	6/21/93	8.8	NA	<1.0	3.0	1.5	17	<0.005	<0.005	<0.005	<0.005
SP-D2	6/21/93	98		<1.0	97	40	19	<0.005	<0.005	<0.005	<0.005
SP-D3	6/21/93	<5.0	NA	<1.0	<1.0	<1.0	<15	<0.005	<0.005	<0.005	<0.005
SP-D4	6/21/93	68		<1.0	3.2	1.6	19	<0.005	<0.005	<0.005	<0.005
SP-D5	6/21/93	160		<1.0	20	20	67	<0.005	<0.005	<0.005	<0.005
SP-D6	6/21/93	64		<1.0	2.4	<1.0	30	<0.005	<0.005	<0.005	<0.005
SP-E1	6/21/93	150		NA	48	24	200	NA	NA	NA	NA

mg/kg = milligrams per kilogram
mg/L = milligrams per liter
WET = Waste Extraction Test
TPH-G = Total Petroleum Hydrocarbons as Gasoline
TPH-D = Total Petroleum Hydrocarbons as Diesel
TPH-SO = Total Petroleum Hydrocarbons as Stoddard Solvent
TRPH = Total Recoverable Petroleum Hydrocarbons
NA = Not Analyzed

For results shown as <x, x represents the method reporting limit