



GROUNDWATER TECHNOLOGY, INC.

4057 Port Chicago Highway, Concord, CA 94520 (415) 671-2387

FAX: (415) 685-9148

FAX TRANSMITTAL

DATE: 4/26/93

TIME: 11:00 AM

TO: ~~Ed~~ Burt Kennedy

FROM: Sandra L. Lindsey

FAX NUMBER: 916-334-2123

NO. OF PAGES (including cover page): 18

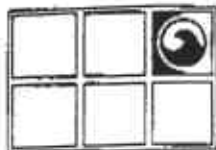
If you do not receive any of the pages, please call (510) 671-2387, Concord Regional/District Office.

To fax a reply, please send to (510) 685-9148.

MESSAGE

Call if you have questions.

Ed



GROUNDWATER TECHNOLOGY, INC.

FILE COPY

4057 Port Chicago Highway, Concord, CA 94520 (415) 671-2387

FAX: (415) 685-9148

April 13, 1993

Mr. Dick Burge
Burge Development Company
One Kaiser Plaza #1010
Oakland, CA 94612

SUBJECT: Soil Sample Results
2350 Harrison Street
Oakland, California

Dear Mr. Burge:

This letter has been prepared to submit the laboratory reports for the soil samples collected on November 2, 1992 and March 4, 1993 at the above referenced site. The soil samples identified as #1, #2, #3, and #4 were collected at approximately 7.5 to 8.0 feet below surface grade at the locations identified on the attached soil sample location map (Attachment 1, Figure 1). Groundwater was encountered at approximately 8.0 feet below grade when collecting the soil samples. Soil samples identified as Soil Pile 1, Soil Pile 2, SP#3, and SP#4, were composite soil samples collected from the stockpiled soils (Figure 1). The stockpiled soils were covered with plastic pending disposal.

No water samples collected

Groundwater Technology, Inc. has not been contracted to dispose of these soils. It is our understanding that the light pole contractor (Harold E. Nutter & Son, Inc.) included disposal costs in their bid to The Southland Corporation, but it is unlikely that their contract included disposing of hydrocarbon impacted soils. The analytical results indicate that these soils may need to be disposed of at a Class II landfill. Copies of the analytical reports are included in Attachment 2.

A copy of this letter along with the analytical results should be forwarded to Mr. Larry Seto of the Alameda County Health Care Services Agency, and the soils should be removed from the site as soon as possible. If you have any questions or comments, please contact the Groundwater Technology, Inc. Concord Office at (510) 671-2387.

Sincerely,
Groundwater Technology, Inc.

Sandra L. Lindsey
Sandra L. Lindsey
Project Manager

Sample	1	2	3	4	5
TPTG	ND	220			
TOG	10	22	64	5000	

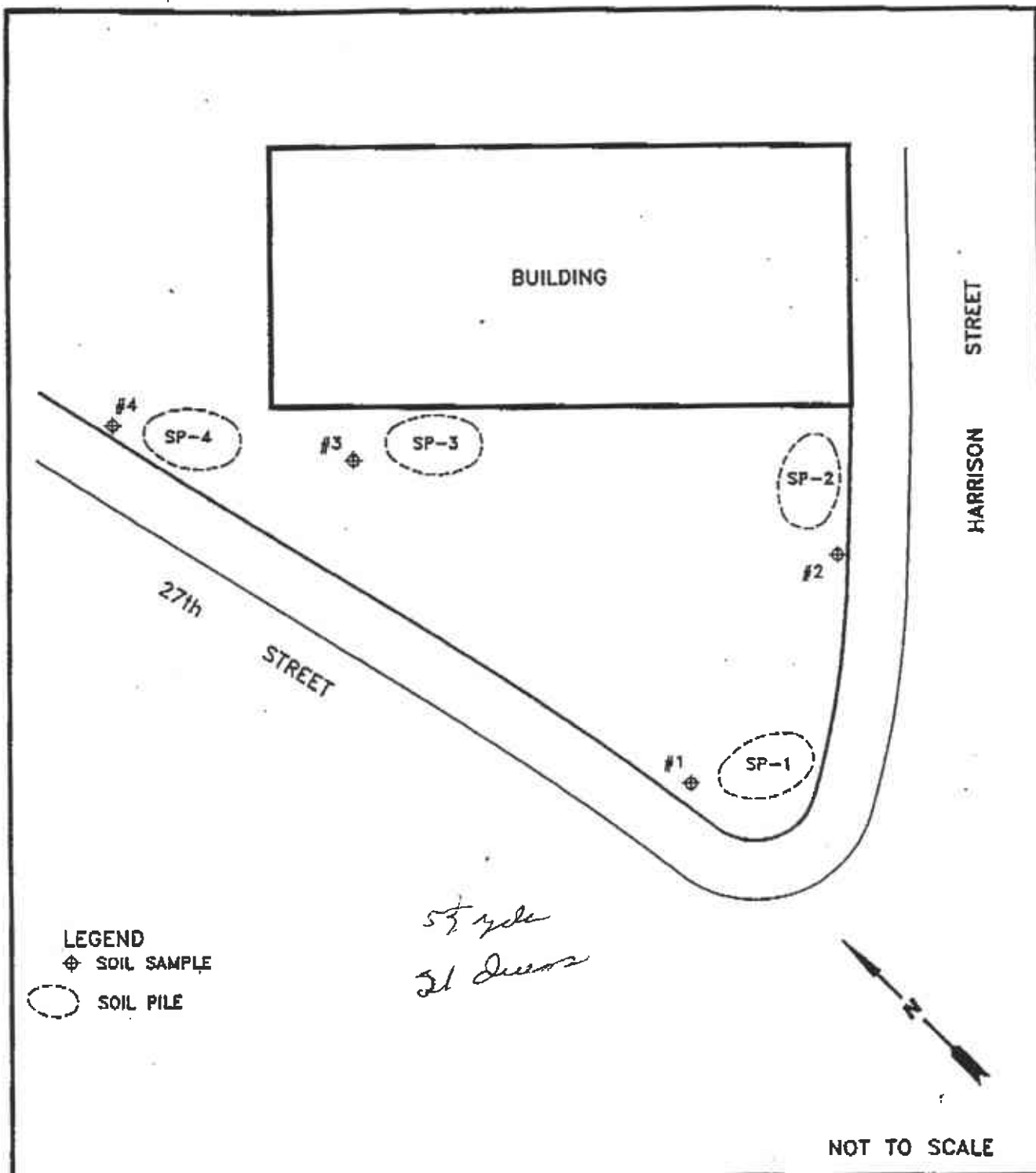
SLL:sl


Attachment 1 - Figure
Attachment 2 - Laboratory Reports

Burge Development Company
2350 Harrison Street, Oakland, Ca.

April 13, 1993

ATTACHMENT 1



 GROUNDWATER TECHNOLOGY				4057 PORT CHICAGO HWY. CONCORD, CA 94520 (510) 671-2387		SOIL SAMPLE LOCATION MAP			
CLIENT: BURGE DEVELOPEMENT COMPANY				LOCATION: 2350 HARRISON STREET OAKLAND, CALIFORNIA		REV. NO.: 0	DATE: 4/12/93		
PM	PE/RG	DESIGNED SL	DETAILED CY	ACAD FILE: SSLM493		PROJECT NO.: 020203768		FIGURE: 1	

04/26/93

09:56

510 695 9148

GROUNDWATER TECH

005/018

Burge Development Company
2350 Harrison Street, Oakland, Ca.

April 13, 1993

ATTACHMENT 2

**Northwest Region**

4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 from inside California
(800) 423-7143 from outside California
(510) 825-0720 (FAX)

Client Number: 0201
Project ID: 2350 Harrison St., Oakland
Work Order Number: C3-03-0114

March 24, 1993

Sandra Lindsey
Groundwater Technology, Inc.
4057 Port Chicago Hwy.
Concord, CA 94520

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 03/04/93, under chain of custody record 26100.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes.

GTEL is certified by the California State Department of Health Services, Laboratory certificate numbers 194 and 1075, to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

Eileen F. Bullen
Laboratory Director

Client Number: 0201
 Project ID: 2350 Harrison St., Oakland
 Work Order Number: C3-03-0114

Table 1
ANALYTICAL RESULTS
Hydrocarbons in Soil
 Method: GC-FID^a

GTEL Sample Number		01	02	03	04
Client Identification		SP #3	SP #4	#4	#3
Date Sampled		03/04/93	03/04/93	03/04/93	03/04/93
Date Extracted		03/10/93	03/10/93	03/10/93	03/10/93
Date Analyzed		03/17/93	03/17/93	03/18/93	03/17/93
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
TPH as gasoline	10	540	140	620	110
TPH as mineral spirits	10	540	<10	<100	<10
TPH as kerosene	10	<10	<10	<100	<10
TPH as diesel fuel	10	<10	<10	<100	<10
TPH as lubricating oil	100	<100	670	7900	<100
Detection Limit Multiplier		1	1	25*	1
Percent solids		68.3	72.9	68.6	61.2

^a Test Methods for Evaluating Solid Waste, SW-846, 3rd edition, Rev. 0, U.S. EPA, November, 1995.*
 * Detection limit raised due to high levels of target compound.

Client Number: 0201
 Project ID: 2350 Harrison St., Oakland
 Work Order Number: C3-03-0114

Table 1 (Continued)
ANALYTICAL RESULTS
Hydrocarbons in Soil
Method: GC-FID^a

GTEL Sample Number		05	06		
Client Identification		#2	#1		
Date Sampled		03/04/93	03/04/93		
Date Extracted		03/10/93	03/10/93		
Date Analyzed		03/17/93	3/17/93		
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
TPH as gasoline	10	220	<10		
TPH as mineral spirits	10	<10	<10		
TPH as kerosene	10	<10	<10		
TPH as diesel fuel	10	<10	<10		
TPH as lubricating oil	100	<100	<100		
Detection Limit Multiplier		1	1		
Percent solids		80.4	76.2		

a. "Test Methods for Evaluating Solid Waste, SW-846, 3rd edition, Rev. O, U.S. EPA, November, 1986."

Client Number: 0201
 Project ID: 2350 Harrison St., Oakland
 Work Order Number: C3-03-0114

Table 1
ANALYTICAL RESULTS

Total Oil and Grease in Soil
 by Infrared Spectrometry

EPA 3550¹ (Mod.)/EPA 413.2²(SM 5520 C³)

GTEL Sample Number		01	02	03	04
Client Identification		SP #3	SP #4	#4	#3
Date Sampled		03/04/93	03/04/93	03/04/93	03/04/93
Date Prepared		03/15/93	03/15/93	03/15/93	03/15/93
Date Analyzed		03/15/93	03/15/93	03/15/93	03/15/93
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
		01	02	03	04
Total Oil and Grease	5	41	440	5000	64
Detection Limit Multiplier		1	1	1	1
Percent solids		68.3	72.9	68.6	61.2

1. Test Methods for Evaluating Solid Waste, SW-846, 3rd edition, Rev. O, U.S. EPA, November, 1986.
2. Methods for Chemical Analysis of Water and Wastes, EPA 600/4-79-020, Revised March 1983, U.S. Environmental Protection Agency.
3. Standard Methods for the Examination of Water and Wastewater, 17th ed., 1989, American Public Health Association.

Client Number: 0201
 Project ID: 2350 Harrison St., Oakland
 Work Order Number: C3-03-0114

Table 1 (Continued)

ANALYTICAL RESULTS

Total Oil and Grease in Soil
 by Infrared Spectrometry

EPA 3550¹ (Mod.)/EPA 413.2²(SM 5520 C³)

GTEL Sample Number		05	06		
Client Identification		#2	#1		
Date Sampled		03/04/93	03/04/93		
Date Prepared		03/15/93	03/15/93		
Date Analyzed		03/15/93	03/15/93		
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Total Oil and Grease	5	22	10		
Detection Limit Multiplier		1	1		
Percent solids		80.4	75.2		

1. Test Methods for Evaluating Solid Waste, SW-846, 3rd edition, Rev. O, U.S. EPA, November, 1986.
2. Methods for Chemical Analysis of Water and Wastes, EPA 600/4-79-020. Revised March 1983, U.S. Environmental Protection Agency.
3. Standard Methods for the Examination of Water and Wastewater, 17th ed., 1989, American Public Health Association.

GTEL

ENVIRONMENTAL
LABORATORIES, INC.

4080 PIKE LANE, SUITE C
CONCORD, CA 94520
(510) 685-7852
(800) 423-7143

Phone #: 510-671-2387

Company Name: Groundwater Technology

Company Address: 657 Port Chicago Hwy (Concord) Oakland (Store # 20009)

Project Manager: Sandra Lindsey

Client Project ID: (R) Station # (Store #) 0201

Test that the proper field sampling procedures were used during the collection of these samples. (NAME) SITE/Harrison (Printer) CHIP HURLEY

Sampler Name (Print):

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

26100

- BTEX/602 8020 with MTBE
- BTEX/Gas Hydrocarbons PID/FID with MTBE
- Hydrocarbons GC/FID Gas Diesel Screening
- Hydrocarbon Profile (SIMDIS)
- Oil and Grease 413.1 413.2 SM 503 3550
- TPH/IR 418.1 SM 503
- ED8 by 504 DBCF by 504
- EPA 503.1 EPA 502.2
- EPA 601 EPA 6010
- EPA 602 EPA 8020
- EPA 608 8080 PCB only
- EPA 824/PPL 824/TAL NBS (+15)
- EPA 825/PPL 827/TAL NBS (+25)
- EPA 610 6310
- EP TOX Metals Pesticides Herbicides
- TCLP Metals VOA Semi-VOA Pest Herb
- EPA Metals - Priority Pollutant TAL RCRA
- CAM Metals TTLC STLC
- Lead 289.2 200.7 7420 7421 6010
- Organic Lead
- Corrosivity Flash Point Reactivity

Field Sample ID	GTEL Lab # (Lab use only)	# Containers	Matrix						Method Preserved				Sampling			
			WATER	SOIL	AIR	SLUDGE	PRODUCT	OTHER	HCl	HNO ₃	H ₂ SO ₄	ICE	UNPRESERVED	OTHER (SPECIFY)	DATE	TIME
P# 3	1			X												
P# 4	2															
#4	3															
#3	4															
#2	5															
#1	6															

TAT

Priority (24 hr)

Expedited (48 hr)

7 Business Days

Other STP

Business Days

Special Handling

GTEL Contact _____

Quote/Contract # _____

Confirmation # _____

PO # _____

OA/QC LEVEL

OTHER _____

BLUE CLP

SPECIAL DETECTION LIMITS

Please Report lowest Detection Limits.

SPECIAL REPORTING REQUIREMENTS

FAX

REMARKS

TOG 413.2

HYD SCREEN BY GC/FID

Lab Use Only Lot # _____

Storage Location: _____

Work Order # _____

Received by: _____

CUSTODY RECORD

Relinquished by Sampler: Sandra Lindsey

Relinquished by: _____

Relinquished by: _____

Date Time

3-4-93 14:50

Date Time

3/10/93 14:50

Received by: _____

Received by: _____

Received by Laboratory: Crimme Belskey

04/26/93 09:58 2510 685 9148 GROUNDWATER TECH 011/018

**Northwest Region**

4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 from inside California
(800) 423-7143 from outside California
(510) 825-0720 (FAX)

Client Number: 020203325
Project ID: 2350 Harrison St.
Oakland, CA
Work Order Number: C2-11-053

December 15, 1992

Tim Watchers/Sandra Lindsey
Groundwater Technology, Inc.
4057 Port Chicago Hwy.
Concord, CA 94520

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 11/04/92, under chain of custody record 25994.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes.

GTEL is certified by the California State Department of Health Services to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Eileen F. Bullen
Laboratory Director

Client Number: 020203325
 Project ID: 2350 Harrison St.
 Oakland, CA
 Work Order Number: C2-11-053

Table 1

ANALYTICAL RESULTS

Aromatic Volatile Organics and
 Total Petroleum Hydrocarbons as Gasoline in Soil

EPA Methods 5030, 8020, and Modified 8015^a

GTEL Sample Number		01	02		
Client Identification		SOIL PILE 1	SOIL PILE 2		
Date Sampled		11/02/92	11/02/92		
Date Extracted		11/04/92	11/04/92		
Date Analyzed		11/05/92	11/05/92		
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Benzene	0.005	<0.005	0.24		
Toluene	0.005	<0.005	0.31		
Ethylbenzene	0.005	<0.005	0.22		
Xylene, total	0.015	<0.015	2		
BTEX, total	-	-	3		
Gasoline	1	<1	89*		
Detection Limit Multiplier		1	1		
Percent solids		84	54		

- ^a Test Methods for Evaluating Solid Waste, SW-846, Third Edition, Revision 0, US EPA November 1986. Modification for TPH as gasoline as per California State Water Resources Control Board LUFT Manual protocols, May 1988 revision. Results reported on a wet weight basis.
- * Hydrocarbon pattern found is not characteristic of fresh gasoline possibly weathered gasoline.

**Northwest Region**

4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 from inside California
(800) 423-7143 from outside California
(510) 825-0720 (FAX)

Client Number: 020203325
Project ID: 2350 Harrison St.
Oakland, CA
Work Order Number: C2-11-055

December 15, 1992

Tim Watchers/Sandra Lindsey
Groundwater Technology, Inc.
4057 Port Chicago Hwy.
Concord, CA 94520

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 11/04/92, under chain of custody record 25994.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes.

GTEL is certified by the California State Department of Health Services to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,

GTEL Environmental Laboratories, Inc.

A handwritten signature in cursive script that reads 'Eileen F. Bullen'.

Eileen F. Bullen
Laboratory Director

Client Number: 020203325
 Project ID: 2350 Harrison St.
 Oakland, CA
 Work Order Number: C2-11-055

Table 1
 ANALYTICAL RESULTS

Total Oil and Grease in Soil
 by Infrared Spectrometry

EPA 3550¹ (Mod.)/EPA 413.2²(SM 5520 C³)

GTEL Sample Number		01*	02*		
Client Identification		SOIL PILE 1	SOIL PILE 2		
Date Sampled		11/02/92	11/02/92		
Date Prepared		11/05/92	11/05/92		
Date Analyzed		11/05/92	11/05/92		
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg			
Total oil and grease	5	34	35		
Quantitation Limit Multiplier		1	1		

1. Test Methods for Evaluating Solid Waste, SW-846.
 2. Methods for Chemical Analysis of Water and Wastes, EPA 600/4-79-020, Revised March 1983, U.S. Environmental Protection Agency.
 3. Standard Methods for the Examination of Water and Wastewater, 17th ed., 1998, American Public Health Association.
- * Although attempts were made to homogenize the samples, the analyst experienced inconsistencies in the results due to lumps of clay present non-uniformly in the samples.



ENVIRONMENTAL
LABORATORIES, INC.

Northwest Region
4080-C Pike Lane
Concord, CA 94520
(510) 685-7852
(800) 544-3422 from inside California
(800) 423-7143 from outside California
(510) 825-0720 (FAX)

Client Number: 020203325
Project ID: 2350 Harrison St.
Oakland, CA
Work Order Number: C2-11-054

December 15, 1992

Tim Watchers/Sandra Lindsey
Groundwater Technology, Inc.
4057 Port Chicago Hwy.
Concord, CA 94520

Enclosed please find the analytical results for samples received by GTEL Environmental Laboratories, Inc. on 11/04/92, under chain of custody record 25994.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria, unless otherwise stated in the footnotes.

GTEL is certified by the California State Department of Health Services to perform analyses for drinking water, wastewater, and hazardous waste materials according to EPA protocols.

If you have any questions concerning this analysis or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
GTEL Environmental Laboratories, Inc.

Eileen F. Bullen
Laboratory Director

Client Number: 020203325
 Project ID: 2350 Harrison St.
 Oakland, CA
 Work Order Number: C2-11-054

Table 1
ANALYTICAL RESULTS
Hydrocarbons in Soil
Method: GC-FID^a

		01	02
GTEL Sample Number			
Client Identification		SOIL PILE 1	SOIL PILE 2
Date Sampled		11/02/92	11/02/92
Date Extracted		11/05/92	11/05/92
Date Analyzed		11/05/92	11/06/92
Analyte	Detection Limit, mg/Kg	Concentration, mg/Kg	
Gasoline	10	<10	10*
Mineral spirits	10	<10	<10
Kerosine	10	<10	<10
Jet fuel	10	<10	<10
Diesel	10	<10	<10
Fuel oil #6	10	<10	<10
Lubricating oil	100	3800	<100
Quantitation Limit Multiplier		1	1
Percent solids		84	54

^a Test Methods for Evaluating Solid Waste, SW-846, 3rd edition, Rev. O, U.S. EPA, November, 1986*. Results reported on a wet weight basis.
 * Hydrocarbons in the range of gasoline, possibly degraded. As requested, additional analysis is being done to confirm.

