Stockpile

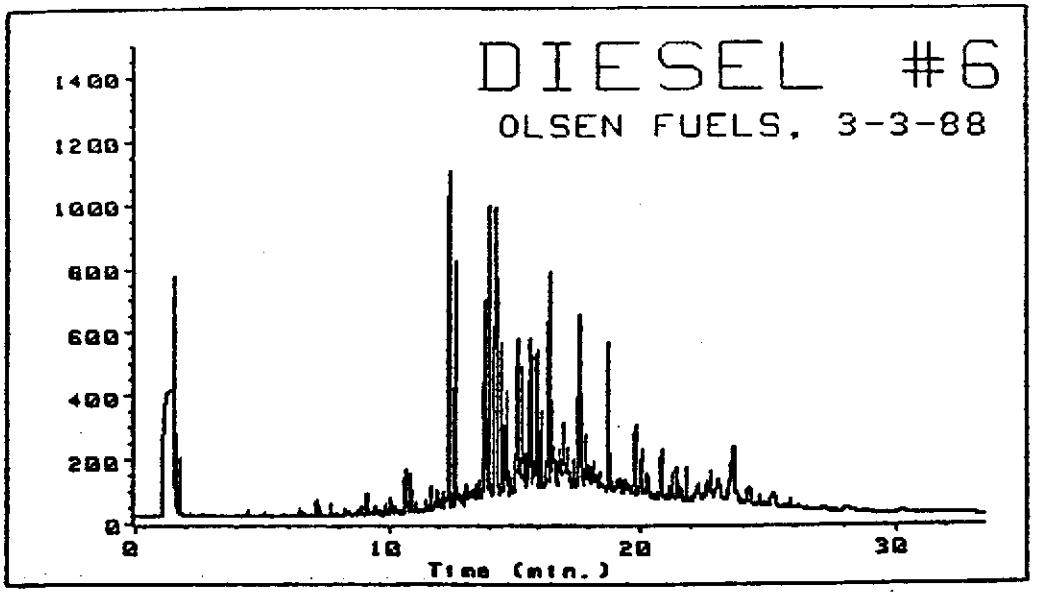
FARR, FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: April 7, 1988
Date Submitted: April 6, 1988
Project: Not specified

FINGERPRINT CHARACTERIZATION
BY CAPILLARY GAS CHROMATOGRAPHY

Sample #	GC Characterization
SB9-1-2	The gas chromatographic trace was indicative of a heavy diesel fuel, probably a #6 diesel. There appears to be a heavier product present in a much smaller amount, possibly a motor oil. These assignments are made on the basis of the boiling ranges and predominant peaks presented in the chromatogram (enclosed).
SB11-2-2	The gas chromatographic trace was indicative of a heavy diesel fuel, probably a #6 diesel. There appears to be a heavier product present in a much smaller amount, possibly a motor oil. These assignments are made on the basis of the boiling ranges and predominant peaks presented in the chromatogram (enclosed). The product in this sample seems to be considerably degraded, probably by microbial degradation since there is very little loss of the front end compounds relative to the later ones.
SB12-1-3	Three attempts were made to extract hydrocarbon material from this sample. None of the samples showed appreciable amounts of any fuel or lubricating-type products (>100 ppm).



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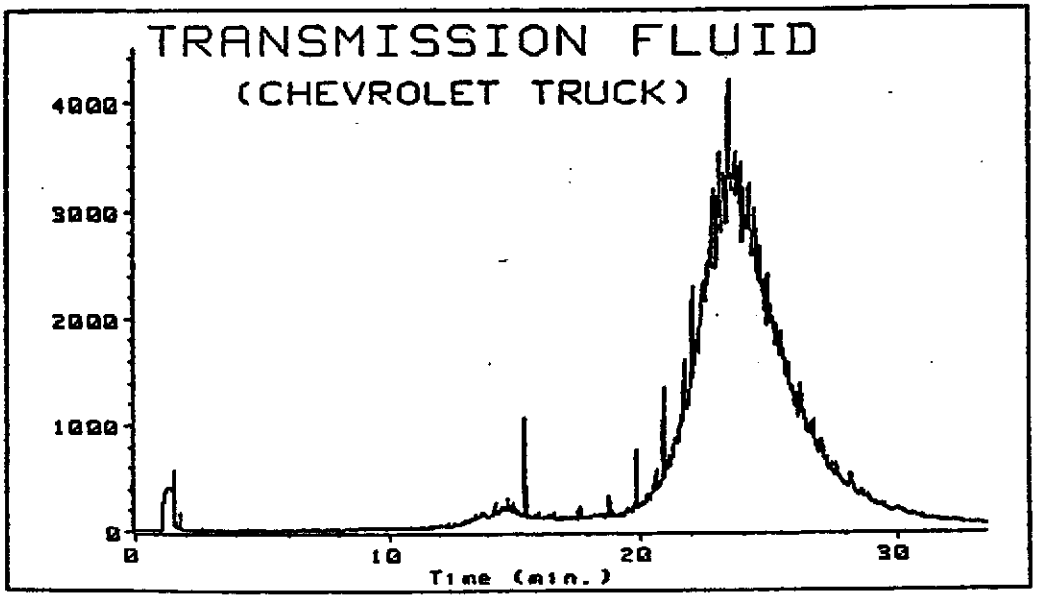
Y: Sig. 2 of DATA:G&D_024A.D
X: Sig. 2 of DATA:G&D_025A.D

[GR1]

Print/ Plot | Horizont Scale | Vertical Scale | Zoom to Window | Zoom In | Zoom Out | MORE KEYS | EXIT



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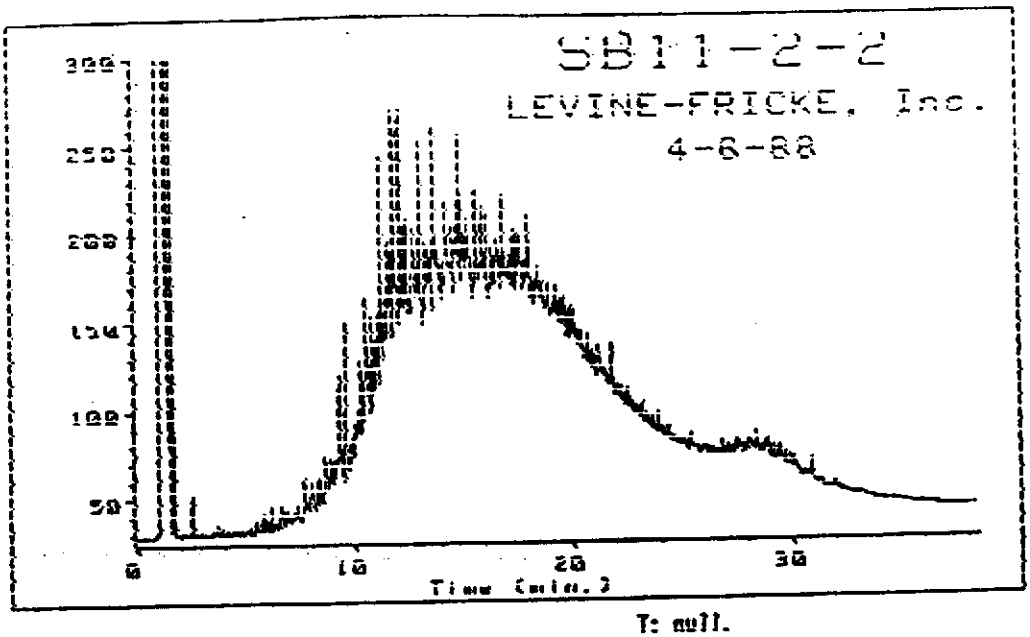
Y: Sig. 2 of DATA:G&D_025A.D
X: Sig. 2 of DATA:G&D_026A.D

[GR1]

Print/ Plot | Horizont Scale | Vertical Scale | Zoom to Window | Zoom In | Zoom Out | MORE KEYS | EXIT



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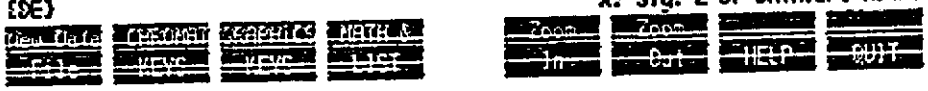
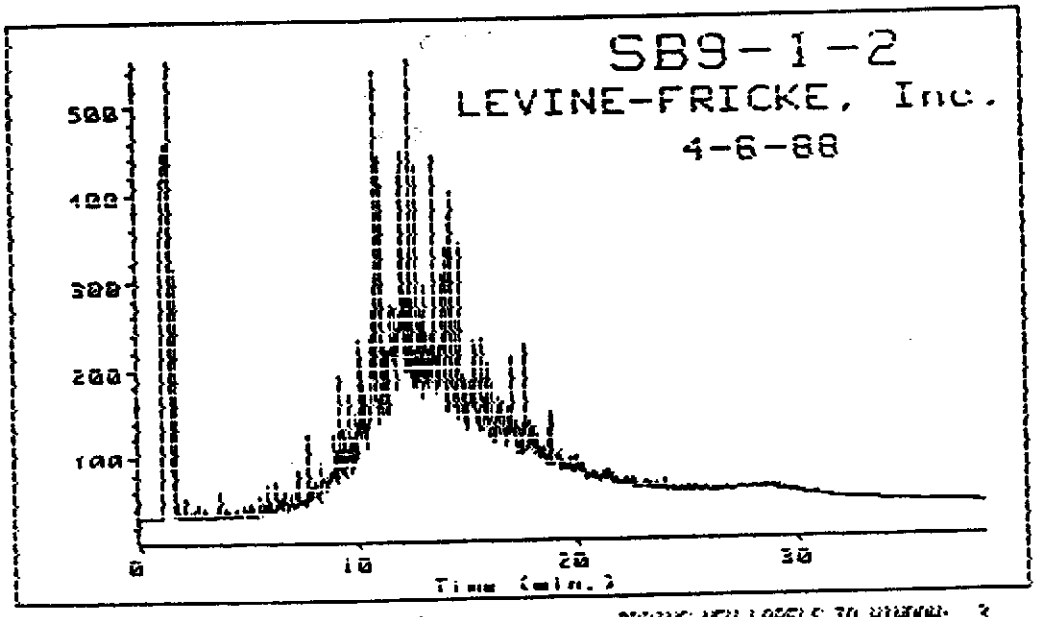
X: Sig. 2 of DATA:LF1 0048.D

(DE)





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Text: 4-6-88
Position: 0.6694-0.7544 window units Color: 1 Size: 16 Rotation: 0

2/88
Stockpile

TABLE 1
SOIL LABORATORY ANALYSIS RESULTS
TOTAL PETROLEUM HYDROCARBONS (TPH)
AND BENZENE, TOLUENE, XYLENE AND ETHYLBENZENE (BTXE)

SAMPLE NO.	SAMPLE DEPTH* (FEET)	DATE SAMPLED	TPH AS DIESEL (ppm)	TPH AS GASOLINE (ppm)	BENZENE (ppm)	TOLUENE (ppm)	XYLENE (ppm)	ETHYLBENZENE (ppm)
SB6-1-2	(8-8.5)	2/12/88	NA	1.3	0.003	0.006	0.056	0.010
SB68-2-2	(10-10.5)	2/12/88	NA	<0.1	<0.001	0.001	<0.003	<0.001
SB7-1-3	(7.5-8)	2/11/88	<50	NA	0.005	0.006	0.004	<0.001
SB8-1-3	(8.5-9)	2/12/88	13,000	NA	<0.001	<0.001	<0.003	<0.001
SB8-2-3	(10.5-11)	2/12/88	<50	NA	<0.001	<0.001	<0.003	<0.001
SB10A-2	(11.5-13)	2/17/88	NA	<0.1	<0.001	0.064	<0.003	<0.001
SB13-1	(7-8.5)	2/17/88	<50	<0.1	<0.001	0.066	<0.003	<0.001
SB14-1-3	(6-6.5)	2/17/88	520**	NA	NA	NA	NA	NA
SB14-1-3	(6-6.5)	2/17/88	130**	NA	NA	NA	NA	NA
SB14-2-3	(7-7.5)	2/17/88	<50	NA	NA	NA	NA	NA
SB17-2-3	(8-8.5)	2/17/88	<50	NA	NA	NA	NA	NA
SB18-1-3	(10.5-11)	2/17/88	<50	NA	NA	NA	NA	NA
SB18-2-3	(12-12.5)	2/17/88	<50	NA	NA	NA	NA	NA
RR2-100	(4-5)	2/17/88	74	NA	NA	NA	NA	NA
RR4-200	(4-5)	2/17/88	<50	NA	NA	NA	NA	NA

Laboratory Analysis performed by Med-Tox Associates, using EPA method 8015 and modified EPA method 8020.

NA - Not Analyzed

< - Below Detection Limit

* Below Ground Surface

** Sediments in sample SB14-1-3 contained intermittent small pockets of petroleum staining. Original analysis results (520 ppm TPH) may represent a hydrocarbon concentration within one of these pockets. The sample was re-analyzed after homogenizing the sediments. The results of this analysis (130 ppm) is considered more representative of the sampling interval than the original analysis result.

LF 1245

6-9/88
Stockpile

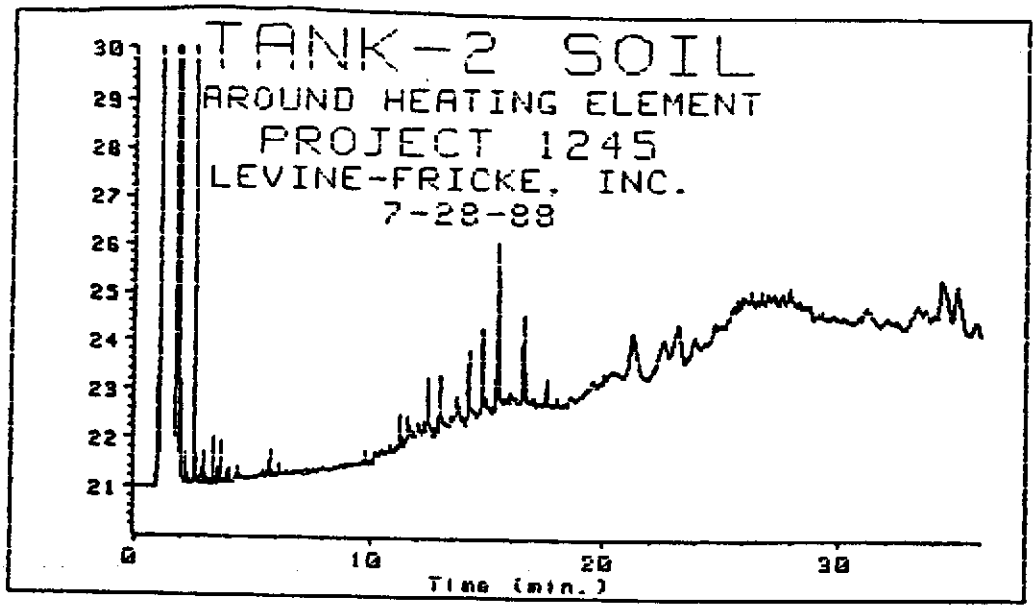
FARR, FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: September 12, 1988
Date Submitted: July 27, 1988
Project: 1245

FINGERPRINT CHARACTERIZATION
BY CAPILLARY GAS CHROMATOGRAPHY

Sample #	GC Characterization
Tank #2-3, Soil Around Heating Heating Element	The gas chromatographic trace showed a small amount of material indicative of a diesel fuel. Very little else was present, and, indeed, the level of diesel fuel in the samples was quite low (<100 ppm).
Tank 1-N1	The gas chromatographic trace was indicative of a weathered diesel fuel. The boiling range presented (*n*-C_{10} to *n*-C_{20}) indicates that a #2 diesel or fuel oil is the most probable source. The lack of a smooth envelope of *n*-alkanes indicates that substantial weathering or biological degradation has taken place.
Tank 2-W2	Repeated efforts to find hydrocarbons indicative of petroleum input failed to detect any down to the 50 ppm range.
Tank 2 Sludge	The gas chromatographic trace was indicative of a diesel #2. The smooth envelope of *n*-alkanes extending from *n*-C_{10} to *n*-C_{24}, with an abundance maximum at *n*-C_{15} is a classic pattern given by this material. Little indication of weathering or degradation was present.



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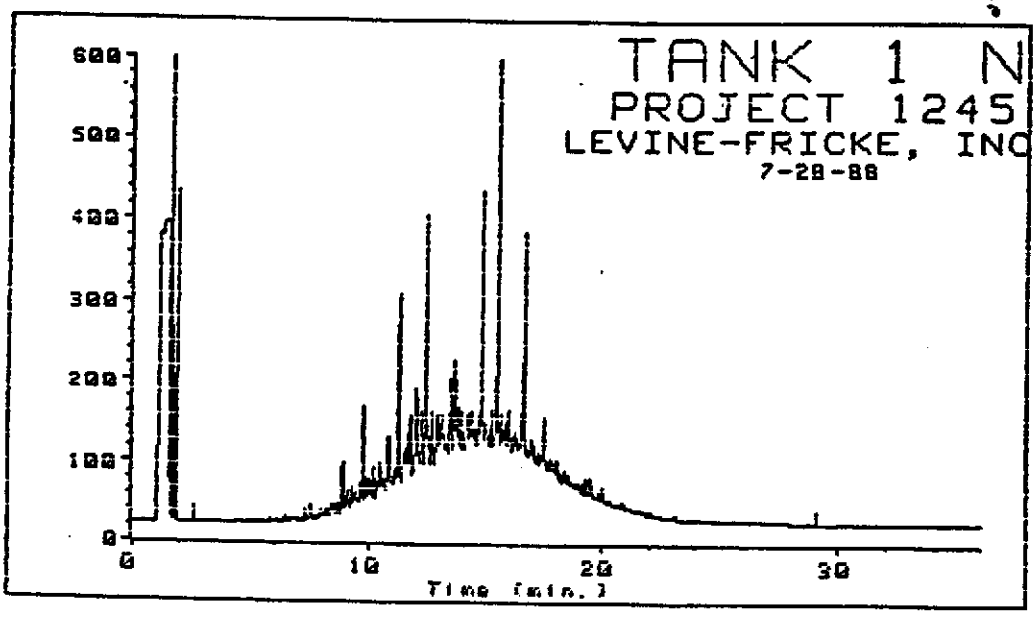
Y: null.
X: Sig. 2 of V3:LF7_A65A.D

[DE]

New Data File | CHROMAT KEYS | GRAPHICS KEYS | MATH & LIST | Zoom In | Zoom Out | HELP | QUIT



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Y: Sig. 2 of V3:LF7_A65A.D
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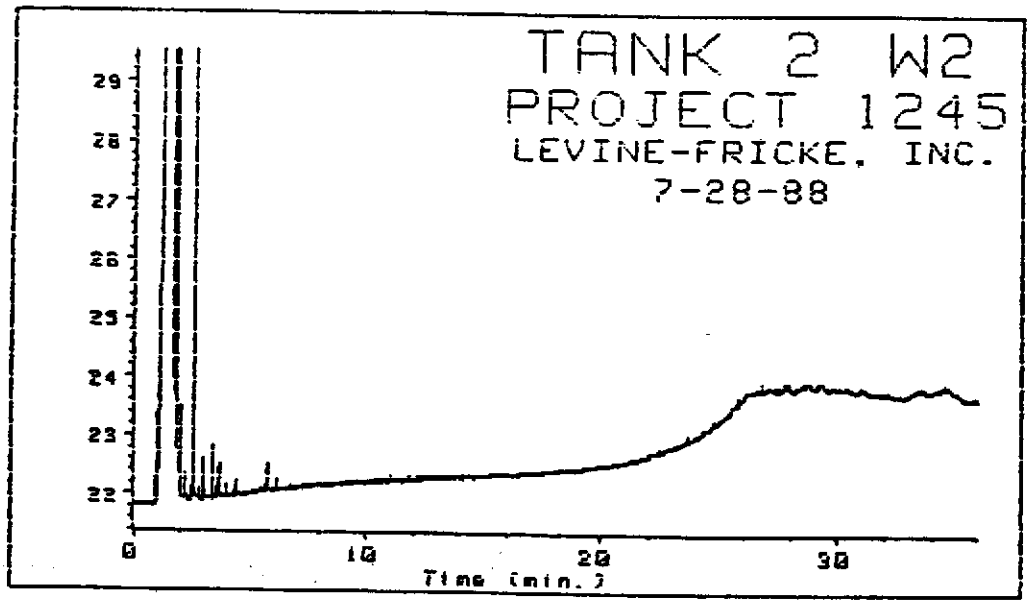
[DE]

New Data File | CHROMAT KEYS | GRAPHICS KEYS | MATH & LIST | Zoom In | Zoom Out | HELP | QUIT



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[DE]

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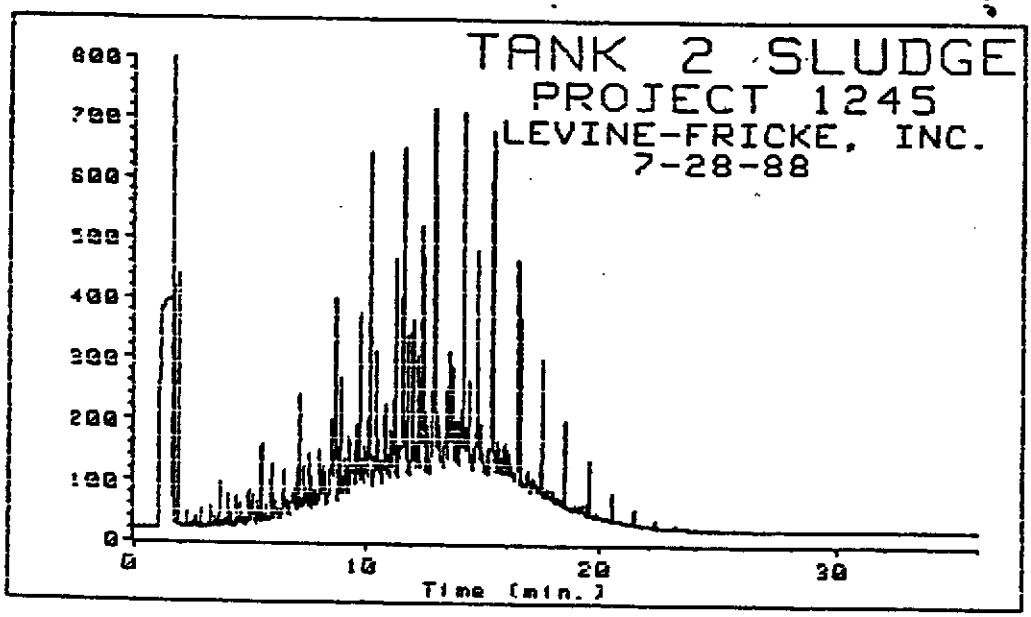

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X: Sig. 2 of V3:LF7_A68A.D

[GR1]

Print/ Plot | Horizont Scale | Vertical Scale | Zoom to Window-4 | Zoom In | Zoom Out | MORE KEYS | EXIT

stockpile

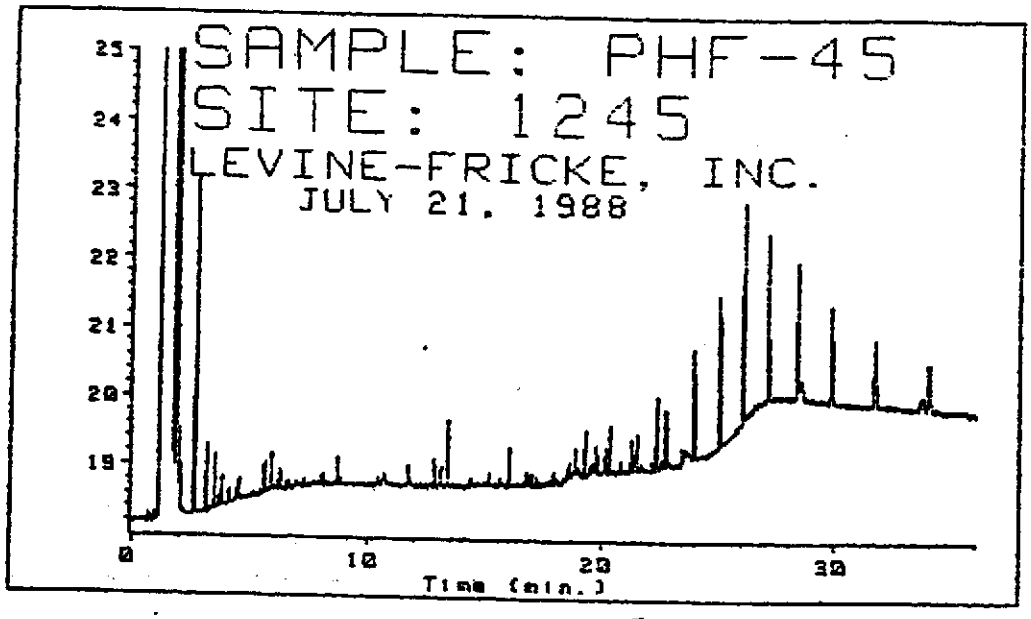
FARR, FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: September 12, 1988
Date Submitted: July 20, 1988
Project: 1245

FINGERPRINT CHARACTERIZATION BY CAPILLARY GAS CHROMATOGRAPHY

Sample #	GC Characterization
PHF-27	The gas chromatographic trace was indicative of a weathered diesel fuel with a boiling range from *n*-C_{10} to *n*-C_{22}, indicating it was probably a #2 diesel fuel. The loss of the smooth alkane distribution is indicative of substantial biological degradation.
PHF-45	The gas chromatographic trace showed only a small amount of a late eluting pattern of *n*-alkanes, indicating the possible presence of a small amount of a heavy residual petroleum distillate.



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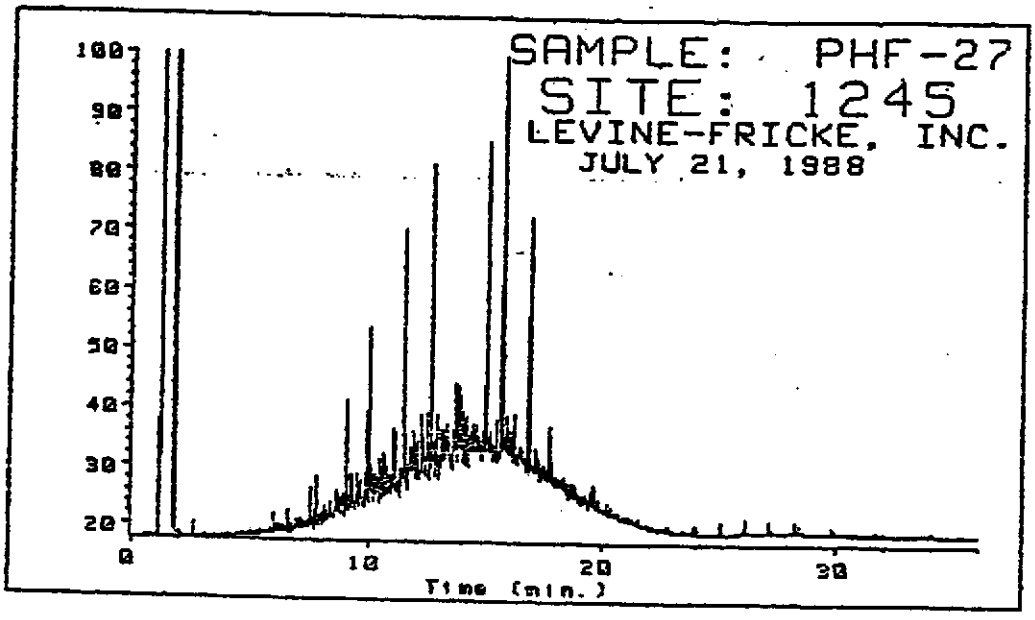
[GR1]

Print/ Plot | Horizontal Scale | Vertical Scale | Zoom to Window | Zoom In | Zoom Out | MORE KEYS | EXIT



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X: Sig. 2 of DATA:G&D_A04A.D

[GR1]

Print/ Plot | Horizontal Scale | Vertical Scale | Zoom to Window | Zoom In | Zoom Out | MORE KEYS | EXIT

stockpile

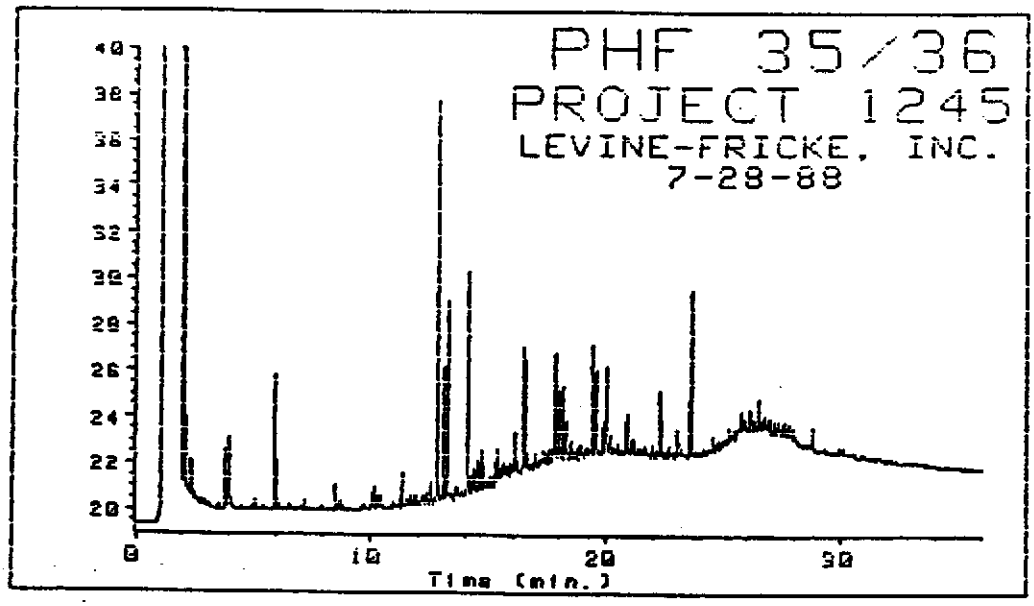
FARR, FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: September 12, 1988
Date Submitted: July 27, 1988
Project: 1245

FINGERPRINT CHARACTERIZATION
BY CAPILLARY GAS CHROMATOGRAPHY

Sample #	GC Characterization
PHF-35/36	The gas chromatographic trace was indicative of a heavy diesel fuel (possibly a #6) or a mixture of compounds of a nature unknown to us. The chromatogram has a similar pattern to a diesel #6, but not the expected unresolved mass of hydrocarbons. The pattern is also similar to that given by mixtures of PNAs found in coal-gasification residues, but a tlc analysis did not find the high PNA level expected in such a case.



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X: Sig. 2 of V3:LF7_A63A.D

[GR1]

Print/ Plot | Horizontal Scale | Vertical Scale | Zoom to Window-4 | Zoom In | Zoom Out | MORE KEYS | EXIT

Stockpiled Soils

EAST Stockpile

MED-TOX ASSOCIATES, INC.

ENVIRONMENTAL & OCCUPATIONAL HEALTH SERVICES
3440 Vincent Road • Pleasant Hill, CA 94523 • (415) 930-9090

LABORATORY ANALYSIS REPORT

LEVINE-FRICKE CONSULTING
1900 POWELL ST., 12TH FL.
EMERYVILLE, CA 94608

ATTN: ELIZABETH NIXON

CLIENT ID: 1245

REPORT DATE: 07/06/88

DATE SAMPLED: 06/23-24/88

DATE RECEIVED: 06/24/88
DATE ANALYZED: 06/27/88

MED-TOX JOB NO: 8806173

ANALYSIS OF: THIRTEEN SOIL COMPOSITES AND ONE SOIL SAMPLE FOR TOTAL PETROLEUM HYDROCARBONS

METHOD: EPA 8015 (EXTRACTION)

Sample Identification Client	Lab No.	Total Petroleum Hydrocarbons As Diesel (mg/kg)
PHFSP-1,2 composite	01A	170
PHFSP-3,4 composite	02A	230
PHFSP-5	03A	85
PHFSP-6,7 composite	04A	320
PHFSP-8,9 composite	05A	300
PHFSP-10,11 composite	06A	170
PHFSP-12,13 composite	07A	87
Detection Limit		50

received
JUL - 6 198[illegible]

MED-TOX ASSOCIATES, INC.

Sample Identification Client	Lab No.	Total Petroleum Hydrocarbons As Diesel (mg/kg)
PHFSP-14,15 composite	08A	150
PHFSP-16,17 composite	09A	98
PHFSP-18,19 composite	10A	280
PHFSP-20,21 composite	11A	190
PHFSP-22,23 composite	12A	160
PHFSP-24,25 composite	13A	150
PHFSP-26,27 composite	14A	370
Detection Limit		50

Michael J. Jaeger, Manager
Organic Laboratory

Results FAXed to Elizabeth Nixon 07/05/88.

Levine-Fricke Consulting

CLIENT ID: PHFSP-10
CLIENT JOB NO: 1245

MED-TOX LAB NO: 8807042-01A
MED-TOX JOB NO: 8807042

DATE SAMPLED: 06/24/88
DATE RECEIVED: 07/08/88

DATE ANALYZED: 07/09/88
REPORT DATE: 07/15/88

EPA METHOD 8020

PURGEABLE AROMATICS

COMPOUND	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Benzene	71-43-2	ND	5
Chlorobenzene	108-90-7	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Ethylbenzene	100-41-4	ND	5
Toluene	108-88-3	14	5
Xylenes, Total	-------	ND	15

ND = Not Detected

Levine-Fricke Consulting

CLIENT ID: PHFSP-11
CLIENT JOB NO: 1245

MED-TOX LAB NO: 8807042-02A
MED-TOX JOB NO: 8807042

DATE SAMPLED: 06/24/88
DATE RECEIVED: 07/08/88

DATE ANALYZED: 07/09/88
REPORT DATE: 07/15/88

EPA METHOD 8020

PURGEABLE AROMATICS

COMPOUND	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Benzene	71-43-2	ND	5
Chlorobenzene	108-90-7	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Ethylbenzene	100-41-4	ND	5
Toluene	108-88-3	18	5
Xylenes, Total	-------	ND	15

ND = Not Detected

Levine-Fricke Consulting

CLIENT ID: PHFSP-26
CLIENT JOB NO: 1245

MED-TOX LAB NO: 8807042-03A
MED-TOX JOB NO: 8807042

DATE SAMPLED: 06/24/88
DATE RECEIVED: 07/08/88

DATE ANALYZED: 07/09/88
REPORT DATE: 07/15/88

EPA METHOD 8020

PURGEABLE AROMATICS

COMPOUND	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Benzene	71-43-2	ND	5
Chlorobenzene	108-90-7	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Ethylbenzene	100-41-4	ND	5
Toluene	108-88-3	13	5
Xylenes, Total	-------	ND	15

ND = Not Detected

Levine-Fricke Consulting

CLIENT ID: PHFSP-27
CLIENT JOB NO: 1245

MED-TOX LAB NO: 8807042-04A
MED-TOX JOB NO: 8807042

DATE SAMPLED: 06/24/88
DATE RECEIVED: 07/08/88

DATE ANALYZED: 07/09/88
REPORT DATE: 07/15/88

EPA METHOD 8020

PURGEABLE AROMATICS

COMPOUND	CAS #	CONCENTRATION (ug/kg)	DETECTION LIMIT (ug/kg)
Benzene	71-43-2	ND	5
Chlorobenzene	108-90-7	ND	5
1,2-Dichlorobenzene	95-50-1	ND	5
1,3-Dichlorobenzene	541-73-1	ND	5
1,4-Dichlorobenzene	106-46-7	ND	5
Ethylbenzene	100-41-4	ND	5
Toluene	108-88-3	14	5
Xylenes, Total	-------	ND	15

ND = Not Detected

10/90
stockpile

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS AS DIESEL
ANAMETRIX, INC. (408) 432-8192

Anametrix W.O.: 9010111
Matrix : SOIL
Date Sampled : 10/08/90
Date Extracted: 10/20/90

Project Number : 1736.01
Date released : 10/26/90
Instrument I.D.: HP19

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9010111-01	B1,2	10/24/90	10	200
9010111-02	B3,4	10/23/90	10	140
9010111-03	B5,6	10/23/90	10	320
9010111-04	B7,8	10/24/90	10	1200
DSBL102090	METHOD BLANK	10/23/90	10	ND

ND - Not detected at or above the practical quantitation limit for the method.
TPHd - Total Petroleum Hydrocarbons as diesel is determined by GCFID following sample extraction by EPA Method 3510.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Inna Shok 10/29/90
Analyst Date

Supervisor 10-29-90
Supervisor Date

ANALYSIS DATA SHEET - TOTAL OIL AND GREASE
ANAMETRIX, INC. (408) 432-8192

Project # : 1736.01
Matrix : SOIL
Date sampled : 10/08/90
Date ext. TOG: 10/25/90
Date anl. TOG: 10/25/90

Anametrix I.D. : 9010111
Analyst : PP
Supervisor : GP
Date released : 10/26/90

Workorder #	Sample I.D.	Reporting Limit (mg/Kg)	Amount Found (mg/Kg)
9010111-01	B1,2	30	1500
9010111-02	B3,4	30	1400
9010111-03	B5,6	30	1700
9010111-04	B7,8	30	2000

ND - Not detected at or above the practical quantitation limit for the method.
TOG - Total Oil & Grease is determined by Standard Method 5520EF.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

FRIEDMAN & BRUYA, INC.
ENVIRONMENTAL CHEMISTS

1/91
Stockpile

Date of Report: February 11, 1991
Date Submitted: February 7, 1991
Project: 1736.05

**RESULTS OF ANALYSES OF THE SOIL SAMPLES
FOR NONHALOGENATED ORGANICS
BY EPA METHOD 8015
(DIESEL AND MOTOR OIL)
Results Reported as µg/g (ppm)**

Sample #	Diesel (ppm)	Motor Oil (ppm)
3A	<10	290
4B	<10	23
Quality Assurance		
Method Blank	<10	<10
4B (Duplicate)	<10	12
4B (Matrix Spike) Spiked @ 5,000 ppm Percent Recovery	[a]	77%
4B (Matrix Spike Duplicate) Spiked @ 5,000 ppm Percent Recovery	[a]	91%

[a] - The analyte indicated was not added to the matrix spike sample.

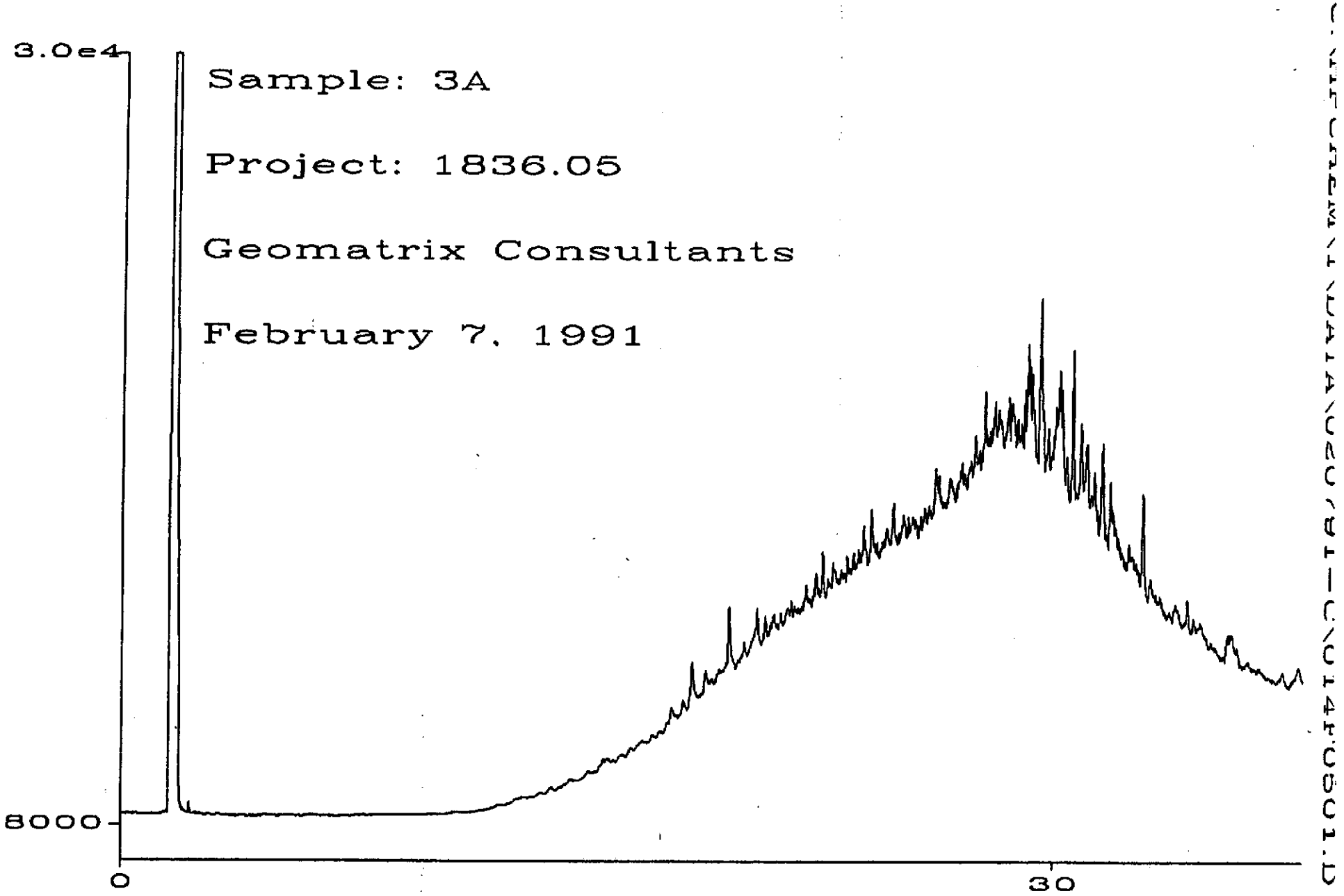
FRIEDMAN & BRUYA, INC.

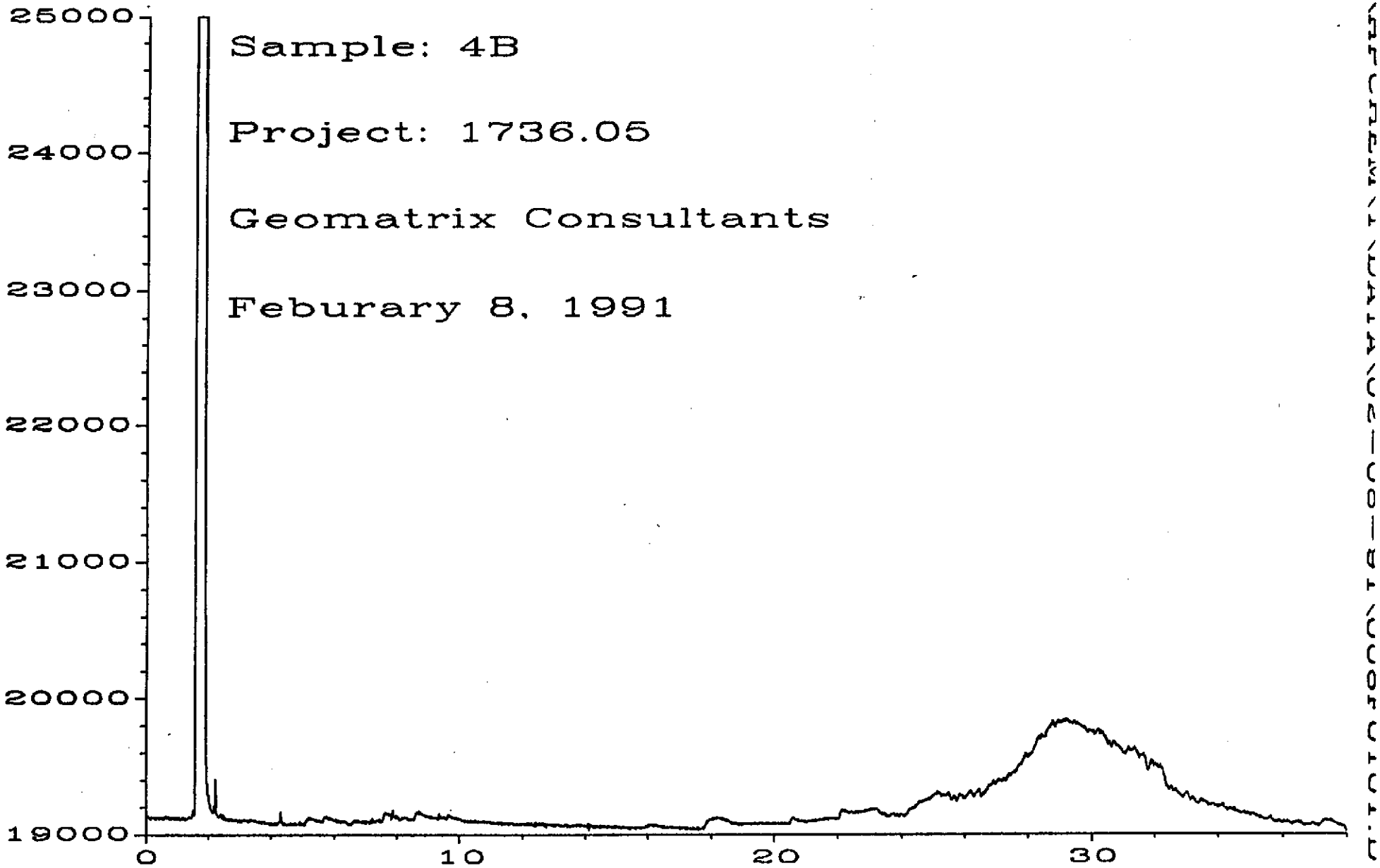
ENVIRONMENTAL CHEMISTS

Date of Report: February 11, 1991
Date Submitted: February 7, 1991
Project: 1736.05

RESULTS OF ANALYSES OF THE SOIL SAMPLES FOR FINGERPRINT CHARACTERIZATION BY CAPILLARY GAS CHROMATOGRAPHY

Sample #	GC Characterization
3A	The gas chromatographic trace was indicative of a high boiling petroleum product, such as heavy crude oil or landfill leachate. This characterization is based on the presence of a relatively broad envelope of peaks present from ca *n*-C_{12} to beyond *n*-C_{35} with a maximum near *n*-C_{29}.
4B	The gas chromatographic trace showed the presence of very low levels of contamination. The levels were so low that attempts to characterize this material could be misleading.


3.0e4
Sample: 3A
Project: 1836.05
Geomatrix Consultants
February 7, 1991
8000
0
30


Sample: 4B
Project: 1736.05
Geomatrix Consultants
Feburary 8, 1991
25000
24000
23000
22000
21000
20000
19000
0
10
20
30

1/91
stockpile

Final Update: Biotreatability evaluation for Geomatrix; Alameda Site

Table 1

TPH (ppm) by modified 8015 and {m418.1} in Treatment Soil over Time

Sample	T_0 Days*	T_{10} Days	T_{32} Days	T_{69} Days	pH T_{69}
Control	2050 {3530}	1930	1970	1970	7.1
Nutrients	2050 {3530}	1900	1850	1870	7.2
Nutrients + MSB	2050 {3530}	1990	1920	2050	7.0
+ Surfactant @	2050 {3530}	1950	1940	2000	7.1
Experimental #	2050 {3530}	1930	1970	2050	7.6
Archive	2050 {3530}	2430 [2060]	NT	2450	NT

* m8015 number is an average of 5 measurements
NT: Not Tested
@ surfactant added at day 20
# Experimental treatment started at day 50 by splitting control pan
[concentration adjusted downward by 18% assuming zero moisture]

Enviros (206) 820-7575 (fax) 820-6337
12277 - 134th Court NE Redmond, Washington 98052

6/91
Fill
Soil

MED-TOX ASSOCIATES, INC.

GEOMATRIX CONSULTANTS

DATE SAMPLED: 06/19/91
DATE RECEIVED: 06/19/91
CLIENT PROJ. ID: 1736.05

REPORT DATE: 06/24/91
MED-TOX JOB NO: 9106138

Sample Identification Client Id.	Lab No.	Extractable Hydrocarbons as Diesel (mg/kg)	Extractable Hydrocarbons as Oil (mg/kg)
A1-A4 (COMP)	01A	ND	480
B1-B4 (COMP)	02A	ND	980
C1-C4 (COMP)	03A	ND	150
D1-D4 (COMP)	04A	ND	80
E1-E2 (COMP)	05A	ND	30
F1-F2 (COMP)	06A	ND (50)	4,100
E-FS-1-4 (COMP)	07A	ND	690
F-FS-1-4 (COMP)	08A	ND	600
G-FS-1-4 (COMP)	09A	ND	360
G1-G2 (COMP)	10A	ND	170
Detection Limit (Unless otherwise indicated by parentheses)		10	20

Method: 3550 GCFID

Instrument: C

Date Extracted: 06/19/91

Date Analyzed: 06/19/91

ND = Not Detected

Fill Soil

Date of Report: July 9, 1991
Date Submitted: June 26, 1991
Project: 1736.05

RESULTS OF ANALYSES OF THE SOIL SAMPLES FOR FINGERPRINT CHARACTERIZATION BY CAPILLARY GAS CHROMATOGRAPHY

Sample #	GC Characterization
Composite B1, B2, B3, B4	The gas chromatographic trace showed an absence of significant levels of volatile or semi-volatile compounds. The thin layer chromatographic trace showed the presence of moderately polar and polar compounds, such as those found in asphalt. A band of material was seen at Rf 0.0 to 1.0 (methylene chloride). This band is visible under both short and long wave UV light, as well as iodine staining and is indicative of the high boiling aromatic hydrocarbons present in asphalt.

Fill 5012

Date of Report: July 9, 1991
Date Submitted: June 26, 1991
Project: 1736.05

RESULTS OF ANALYSES OF THE SOIL SAMPLES FOR FINGERPRINT CHARACTERIZATION BY CAPILLARY GAS CHROMATOGRAPHY

Sample #	GC Characterization
Composite F1, F2	The gas chromatographic trace showed the presence of very high boiling compounds, such as those found in motor oil or biogenic material. This characterization is based on the presence of a relatively smooth envelope of peaks present from ca *n*-C_{18} to beyond *n*-C_{34} with a maximum near *n*-C_{28}. This composite was cleaned with silica gel and then separated into three fractions: saturated hydrocarbons, aromatic hydrocarbons, and the more polar compounds such as alcohols, phenols, and carboxylic acids. These fractions were then analyzed by GC. The compounds seen earlier in the first GC analysis were highly reactive and were lost during the silica clean up. This behavior suggests that the compounds are biogenic in nature. The thin layer chromatographic trace showed the presence of moderately polar and polar compounds, such as those found in asphalt. A band of material was seen at Rf 0.0 to 1.0 (methylene chloride). This band is visible under both short and long wave UV light, as well as iodine staining and is indicative of the high boiling aromatic hydrocarbons present in asphalt. Both asphalt as well as biogenic material appear to be present in this composite sample.

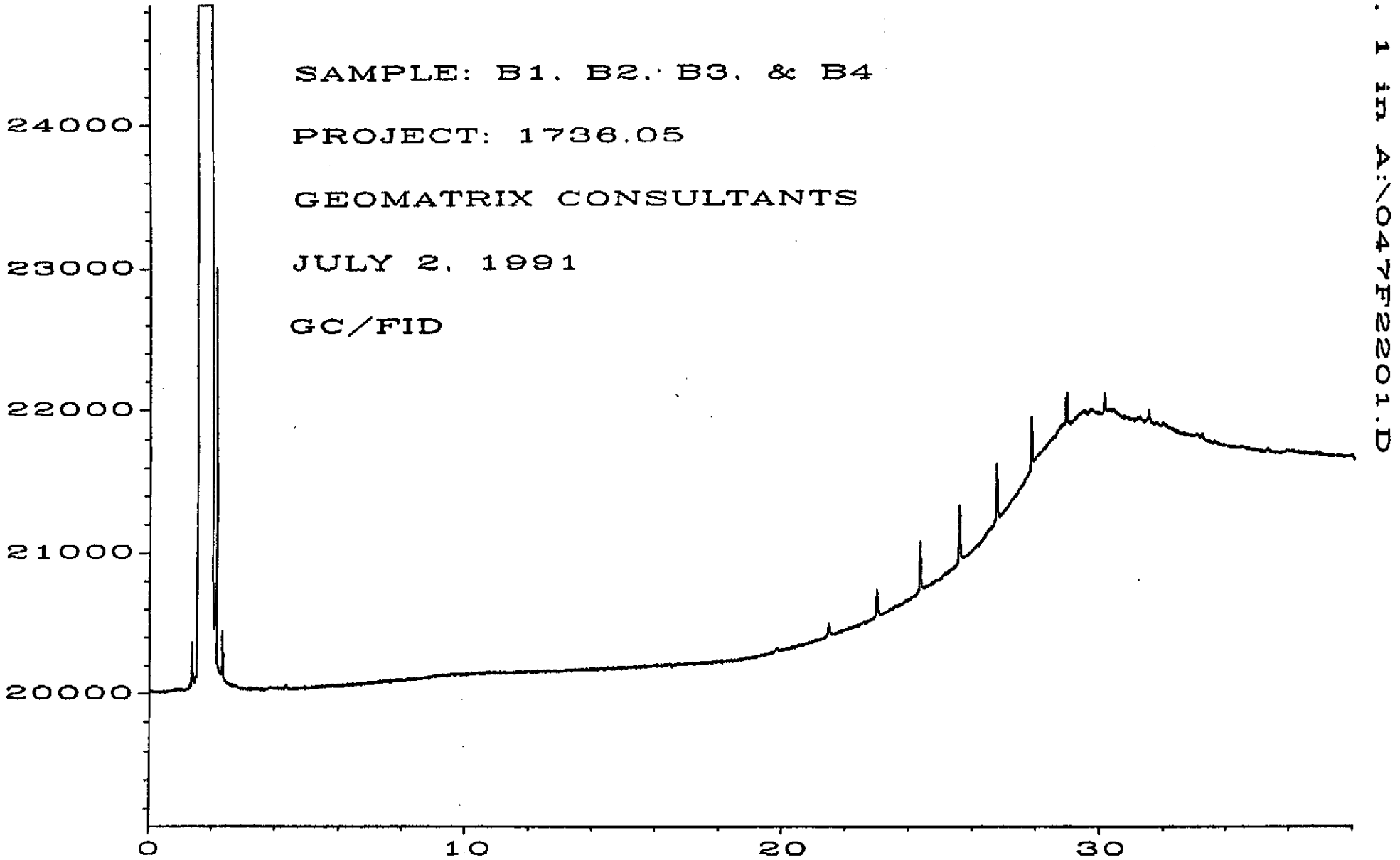
Fill Soil

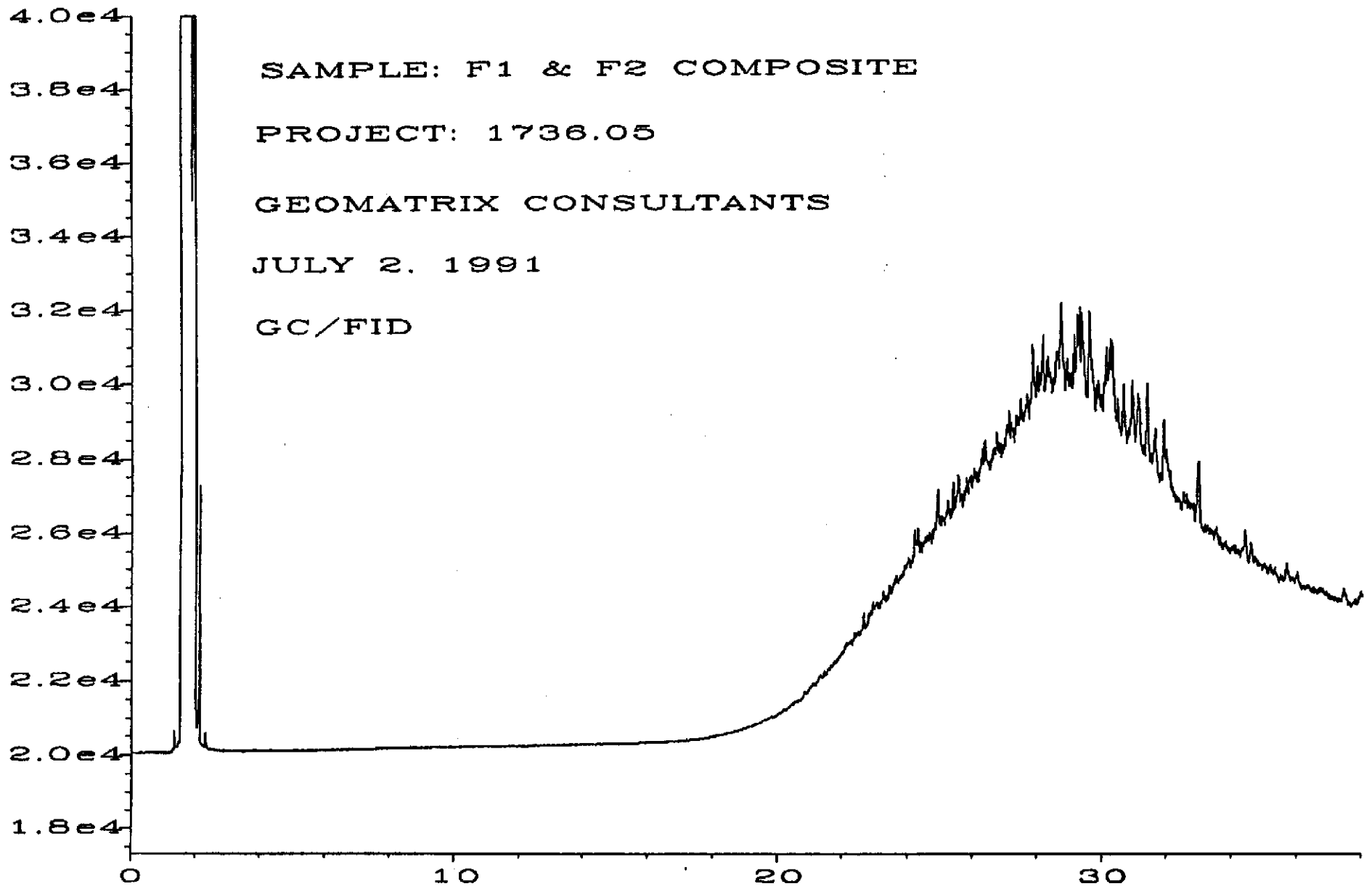
Date of Report: July 9, 1991
Date Submitted: June 26, 1991
Project: 1736.05

RESULTS OF ANALYSES OF THE SOIL SAMPLES FOR TOTAL HIGH BOILING COUMPOUNDS BY GC/FID (MODIFIED 8015) Results Reported as µg/g (ppm)

Sample #	Total High Boiling Compounds (ppm)
Composite B1, B2, B3, B4	410
Composite F1, F2	2,500
Quality Assurance	
Method Blank	<50
Composite F1, F2 (Duplicate)	1,800
Composite F1, F2 (Matrix Spike) Percent Recovery	a
Composite F1, F2 (Matrix Spike Duplicate) Percent Recovery	a
Sample Spiked at	1,000

a - The amount spiked was insufficient to give meaningful recovery data.


SAMPLE: B1, B2, B3, & B4
PROJECT: 1736.05
GEOMATRIX CONSULTANTS
JULY 2, 1991
GC/FID
24000
23000
22000
21000
20000
0
10
20
30
Sig. 1 in A:\047F2201.D


SAMPLE: F1 & F2 COMPOSITE
PROJECT: 1736.05
GEOMATRIX CONSULTANTS
JULY 2, 1991
GC/FID
4.0e4
3.8e4
3.6e4
3.4e4
3.2e4
3.0e4
2.8e4
2.6e4
2.4e4
2.2e4
2.0e4
1.8e4
0
10
20
30
Sig. 1 in A:\048F2201.D

900 Tyron St (2 tanks) and (1 Tank) 1150 Marina Village Parkway.

Railroad tracks

Bldg.

1301 Marina Village Parkway

LF-2

Shipway 1

Shipway 2

MARINA VILLAGE PARKWAY

GP-1

Stockpile Area

GMW-3

1201 Marina Village Parkway

Shipway 3

Lucky Supermarket

GMW-4

Fountain

Shipway 4

1001 Marina Village Parkway

EXPLANATION

GMW-4 ◔ Geomatrix monitoring well, 4/92

GP-1 ● Geomatrix piezometer, 4/92

LF-2 ▲ Levine-Fricke monitoring well, 1988

0 100 Feet

SITE PLAN
Marina Village
Alameda, California

GEOMATRIX

Project No. 1736.10

Figure 1