



SCANNED

HANDEX OF NEW ENGLAND, INC., 398 Cedar Hill Street, Marlboro, MA. 01752 • (508) 481-5750 • FAX (508) 481-5159

April 16, 1992

Star Enterprises
520 Allens Avenue
Providence, Rhode Island 02905

Attention: Robert Gulick

RE: Tank Removal Procedure
Texaco Service Station
881 Edgell Road
Framingham, Massachusetts

Dear Mr. Gulick:

This letter provides a brief summary of the underground storage tank replacement project and a summary of the analytical data obtained from the soil stockpiled at the above referenced location.

BACKGROUND

The site is located on Edgell road, south of Edmands Road in the Nobscot section of Framingham, Massachusetts. Figure 1 is a locus map showing the location of the site, surrounding features, topography, and surface drainage.

UNDERGROUND STORAGE TANK REMOVAL

On November 6 and November 7, 1991, the following underground storage tanks were removed by Govoni Brothers Construction of Worcester, Massachusetts.

Number of Tanks	Capacity Gallons	Construction	Contents	Serial #
3	4,000	Steel	Gasoline	NA
1*	4,000	Steel	Gasoline	NA
1#	6,000	Fiberglass	Gasoline	T-109596
1	1,000	Steel	Fuel Oil	NA
1	550	Steel	Used Oil	NA
* Fuel fill port filled with cement. NA = Not applicable # Single wall fiberglass tank.				

Upon removal of each tank, a visual inspection indicated some rust on the steel tanks was present; no visible holes were observed in the gasoline, fuel oil, or used oil tanks. With the approval of Inspector Randy Smith of the Framingham Fire Department, the tanks were removed and taken to James Grant Inc. of Readville, Massachusetts for disposal (Massachusetts tank yard number # 03501).

During the tank removal process, the excavated soil was scanned with an HNu Model PI-101 photoionization device using the jar headspace procedure. Figure 2 is a Site Plan of the service station property showing the areas from which the tanks were removed and HNu screening locations.

Organic vapor concentrations in the soil from the gasoline tankfield excavation ranged from nondetectable (ND) to 250 parts per million (ppm). The highest concentrations of organic vapors was detected in the soil taken from around the fuel fill ports. Organic vapors were not detected (ND) in the soils from excavated from the fuel oil and used oil tanks. Table 1 presents a summary of the HNu screening data.

Approximately 3 cubic yards of soil excavated from the fuel filler ports area during the tank removal procedure produced organic vapor concentrations greater than 100 ppm. The soil was stockpiled for off-site disposal. The tankfields were backfilled with native material and clean soil trucked in by Govoni. No new tanks were installed at the location.

SOIL QUALITY DATA

Post excavation samples were obtained from beneath the five gasoline tanks, fuel oil tank and used oil tank. The soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA method 8020 and for total petroleum hydrocarbons (TPH) by EPA Method 418.1. Total BTEX in the post excavation samples from beneath the gasoline tanks was detected at 6 mg/kg in T-1 and 26 mg/kg in T-2. BTEX was not detected in any other soil sample.

TPH detected in the soil samples taken beneath the gasoline tanks ranged from 60 mg/kg in T-5 to 1,000 mg/kg in T-2. TPH was detected in the soil samples from beneath the fuel oil and used oil tank at 85 mg/kg and 280 mg/kg, respectively.

Table 2 summarizes the laboratory analytical sheets attached as Appendix A.

STOCKPILED SOIL SAMPLING AND ANALYSIS

In order to further classify the stockpiled soil for disposal, one soil sample (composite sample #1) was obtained from the stockpile on November 7, 1991. The soil sample was analyzed for the following parameters:

- Volatile Organic Compounds (EPA Method 8240)
- Total Petroleum Hydrocarbons (EPA Method 418.1)
- PCBs (EPA Method 8080)
- Corrosivity (EPA Method 9010)
- Cyanide Reactivity (EPA Method 9030)
- Sulfide Reactivity (EPA Method 9030)
- Ignitability (EPA Method 1010)
- Total Cyanide (EPA Method 9012)

No volatile organic compounds or PCBs were detected in the soil stockpile composite sample. Barium as a TCLP leachate was detected at 0.64 mg/l and TPH was detected at 170 mg/kg. The sample was not corrosive, had a pH of 7.5 and did not react with cyanide or sulfide. Total cyanide was ND and the flashpoint was greater than 150° F.

Laboratory analytical data sheets are attached as Appendix B.

SOIL DISPOSAL

Approximately 3 cubic yards of soil was taken to D'Ambra Construction Co. Inc. Warwick, Rhode Island for asphalt batch processing.

If you should have any questions, please do not hesitate to contact our office.

Sincerely,
Handex of New England, Inc.

Jonathan Morse
Hydrogeologist


Eric L. Montgomery
Project Manager/ Senior Hydrogeologist

cc: JFL w/a
DEP NERO w/a
File



TABLES

TABLE 1

Texaco Gasoline Station
881 Edgell Road
Framingham, Massachusetts

HNu Photoionization Screening Results

Samples collected November 6, 1991.

Sample Number	Depth (ft)	Result (ppm)	Notes
S-1	2	ND	South side Tank T-1
S-2	5	90	South side T-1
S-3	0.5	80	Area of fuel sump T-1
S-4	2	70	Area of fuel fill T-1
S-5	6	60	South side of T-1.
S-6	1	3	Between T-1 and T-2.
S-7	7	25	Between T-1 and T-2.
S-8	3	90	Area of fuel sump T-2
S-9	1	ND	Between T-2 and T-3
S-10	2	80	Between T-3 and T-4
S-11	2	70	Between T-3 and T-4
S-12	3	80	Area of fuel sump T-3
S-13	7	250	Area of fuel fill T-4
S-14	6	120	Area of fuel sump T-4
S-15	6	80	Side of tank 4 and 5
S-16	7	70	Side of tank 4 and 5
S-17	9	250	Area of fuel fill T-5
S-18	5	200	Area of fuel fill T-5
S-19	7	150	Area of fuel sump T-5
S-20	12	30	Beneath Tank T-1
S-21	12	50	Beneath Tank T-2
S-22	12	60	Beneath Tank T-3
S-23	0.5	ND	Fuel oil tank fill T-6
S-24	6	ND	Fuel oil tank bottom T-6
S-25	4	ND	Fuel oil tank bottom T-6
S-26	0.5	ND	Used oil fill port T-7
S-27	4	ND	Used oil tank bottom T-7
S-28	2	ND	Used oil tank bottom T-7

Notes:

1. All results are in parts per million (ppm).
2. Screening was performed with and HNu Model PI 101 photoionization detector with a 10.2 electron volt lamp, using the standard jar sample headspace technique.
3. ND Indicates no organic vapors detected.

TABLE 2
SOIL QUALITY DATA: POST EXCAVATION SOIL SAMPLES
GASOLINE TANKFIELD

Texaco Service Station
881 Edgell Road
Framingham, Massachusetts

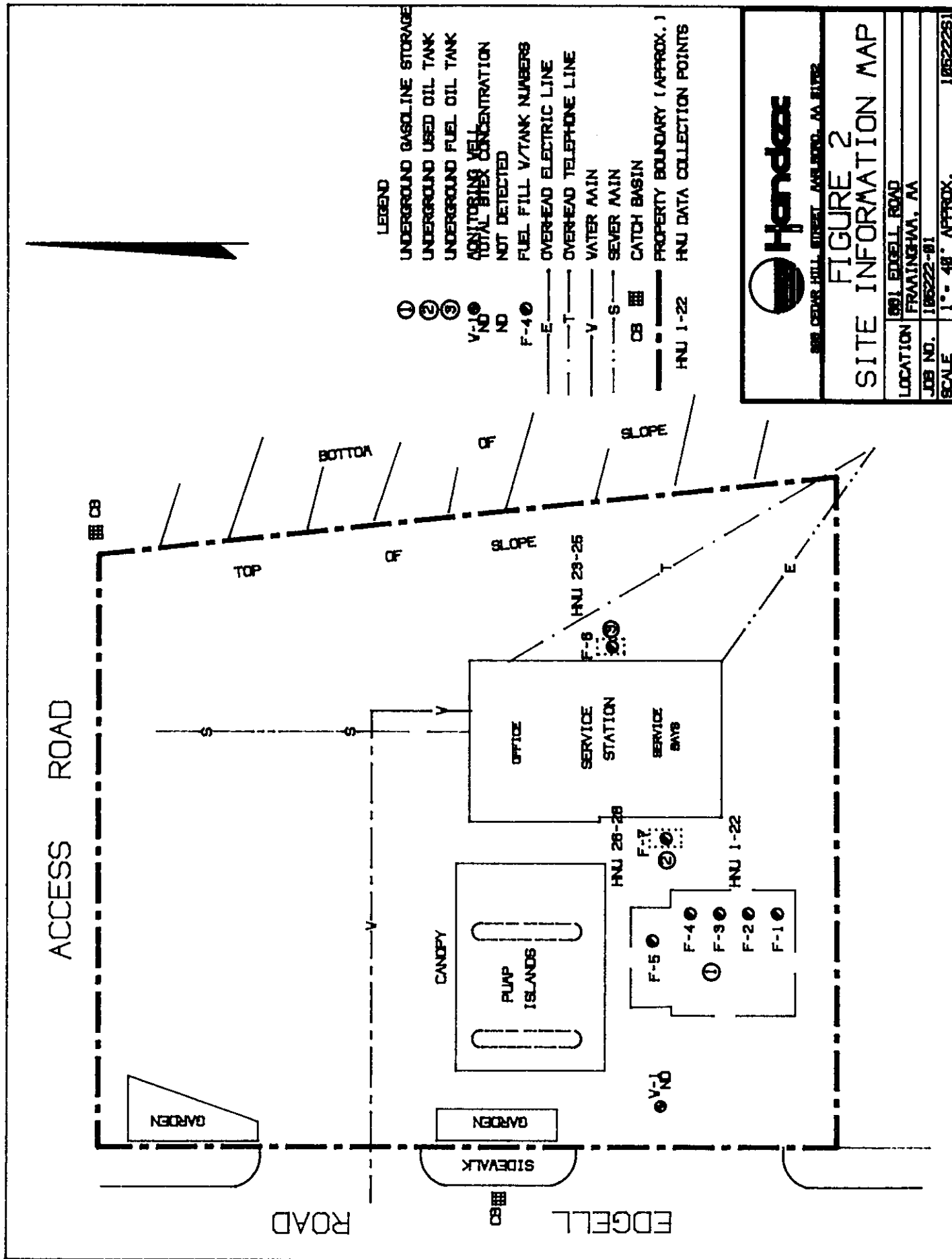
Parameter	Bottom T-1	Bottom T-2	Bottom T-3	Bottom T-4	Bottom T-5	Bottom T-6	Bottom T-7
Benzene	.280	.006	ND	ND	ND	ND	ND
Toluene	.500	.011	ND	ND	ND	ND	ND
Ethylbenzene	.710	.058	ND	ND	ND	ND	ND
Xylenes	4.0	26	ND	ND	ND	ND	ND
Total BTEX	6.0	26	ND	ND	ND	ND	ND
TPH	120	1,000	100	520	60	85	280

NOTES: 1) Samples collected on November 6 & 7, 1991.
2) TPH results are in milligrams per kilogram (mg/kg).
3) BTEX results are in milligrams per kilogram (mg/kg).
4) ND = Not detected above method detection limit.
5) T-1 represents Tank #1.

FIGURES



1" - 2000' APPROX.





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HANDEX OF NEW ENGLAND INC.
398 CEDAR HILL STREET
MARLBOROUGH, MA 01752

ATTN: J. ITALIANO

DATE: 11/24/91
JOB No: 910887N
PROJECT No: 105222-01
SAMPLE RECEIVED: 11/15/91

SAMPLE SUMMARY

SAMPLE No	COLLECTED			POINT OF COLLECTION
	DATE	TIME	BY	
E102795N	11/06/91	09:00	JM	SOIL - T-1; GASOLINE TANKFIELD BOTTOM; TEXACO S/S, 881 EDGELL ROAD, FRAMINGHAM, MA
E102796N	11/06/91	08:50	JM	SOIL - T-2, GASOLINE TANKFIELD BOTTOM; TEXACO S/S, 881 EDGELL ROAD, FRAMINGHAM, MA
E102797N	11/06/91	12:00	JM	SOIL - T-3, GASOLINE TANKFIELD BOTTOM; TEXACO S/S, 881 EDGELL ROAD, FRAMINGHAM, MA
E102798N	11/06/91	12:10	JM	SOIL - T-4, GASOLINE TANKFIELD BOTTOM; TEXACO S/S, 881 EDGELL ROAD, FRAMINGHAM, MA
E102799N	11/06/91	13:30	JM	SOIL - T-5, GASOLINE TANKFIELD BOTTOM; TEXACO S/S, 881 EDGELL ROAD, FRAMINGHAM, MA

CERTIFICATIONS: MASSACHUSETTS (KA136)


JOHN HAMILTON
LAB DIRECTOR



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ANALYSIS REPORT

SAMPLE No	COLLECTED			POINT OF COLLECTION
	DATE	TIME	BY	
E102795N	11/06/91	09:00	JM	SOIL - T-1; GASOLINE TANKFIELD BOTTOM; TEXACO S/S, 881 EDGELL ROAD, FRAMINGHAM, MA

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITS
PURGEABLE AROMATICS*					
BENZENE	280	130	UG/KG	11/21/91	SDR
ETHYLBENZENE	710	130	UG/KG	11/21/91	SDR
TOLUENE	500	130	UG/KG	11/21/91	SDR
XYLENES, TOTAL	4400	130	UG/KG	11/21/91	SDR

* MDL ELEVATED DUE TO DILUTION FACTOR.

ND = NOT DETECTED

UG/KG = PPB KG/KG = PPM

MDL = METHOD DETECTION LIMIT

ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

MASSACHUSETTS CERTIFICATION: MA136

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ANALYSIS REPORT

SAMPLE No	COLLECTED			POINT OF COLLECTION
	DATE	TIME	BY	
E102795N	11/06/91	09:00	JM	SOIL - T-1; GASOLINE TANKFIELD BOTTOM; TEXACO S/S, 881 EDGELL ROAD, FRAMINGHAM, MA

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITS
PETROLEUM HYDROCARBONS	120	25	MG/KG	11/21/91	CAD
SOLIDS, TOTAL PERCENT	95	2.0	%	11/20/91	CAD

UG/KG = PPB MC/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

MASSACHUSETTS CERTIFICATION: MA136

JOHN HAMILTON
LAB DIRECTOR



ANALYSIS REPORT

SAMPLE No	COLLECTED			POINT OF COLLECTION
	DATE	TIME	BY	
E102796N	11/06/91	08:50	JM	SOIL - T-2, GASOLINE TANKFIELD BOTTOM; TEXACO S/S, 881 EDGELL ROAD, FRAMINGHAM, MA

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITIALS
PURGEABLE AROMATICS					
BENZENE	5.7	5.3	UG/KG	11/19/91	SDR
ETHYLBENZENE	58	5.3	UG/KG	11/19/91	SDR
TOLUENE	11	5.3	UG/KG	11/19/91	SDR
XYLENES, TOTAL	26000	130	UG/KG	11/19/91	SDR

1 MDL ELLEVATED DUE TO DILUTION FACTOR.

ND = NOT DETECTED

UG/KG = PPB MG/KG = PPM

MDL = METHOD DETECTION LIMIT

ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

MASSACHUSETTS CERTIFICATION: MA136

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ANALYSIS REPORT

SAMPLE No	COLLECTED			POINT OF COLLECTION
	DATE	TIME	BY	
E102796N	11/06/91	08:50	JM	SOIL - T-2, GASOLINE TANKFIELD BOTTOM; TEXACO S/S, 881 EDGELL ROAD, FRAMINGHAM, MA

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITS
PETROLEUM HYDROCARBONS	1000	25	MG/KG	11/21/91	CAD
SOLIDS, TOTAL PERCENT	94	2.0	%	11/20/91	CAD

UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

MASSACHUSETTS CERTIFICATION: MA136

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ANALYSIS REPORT

SAMPLE No	COLLECTED			POINT OF COLLECTION
	DATE	TIME	BY	
E102797N	11/06/91	12:00	JM	SOIL - T-3, GASOLINE TANKFIELD BOTTOM; TEXACO S/S, 881 EDGELL ROAD, FRAMINGHAM, MA

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITS
PURGEABLE AROMATICS					
BENZENE	ND	5.6	UG/KG	11/19/91	SDR
ETHYLBENZENE	ND	5.6	UG/KG	11/19/91	SDR
TOLUENE	ND	5.6	UG/KG	11/19/91	SDR
XYLENES, TOTAL	ND	5.6	UG/KG	11/19/91	SDR

ND = NOT DETECTED
UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WRIGHT BASIS

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SAMPLE No	COLLECTED			POINT OF COLLECTION
	DATE	TIME	BY	
E102797N	11/06/91	12:00	JM	SOIL - T-3, GASOLINE TANKFIELD BOTTOM; TEXACO S/S, 881 EDGELL ROAD, FRAMINGHAM, MA

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITS
PETROLEUM HYDROCARBONS	100	25	MG/KG	11/21/91	CAD
SOLIDS, TOTAL PERCENT	90	2.0	%	11/20/91	CAD

UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
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ANALYSIS REPORT

SAMPLE No	COLLECTED			POINT OF COLLECTION
	DATE	TIME	BY	
E102798N	11/06/91	12:10	JM	SOIL - T-4, GASOLINE TANKFIELD BOTTOM; TEXACO S/S, 881 EDGELL ROAD, FRAMINGHAM, MA

TEST DESCRIPTION	RESULT	NDL	UNITS	DATE	INITS
PURGEABLE AROMATICS					
BENZENE	ND	5.4	UG/KG	11/19/91	SDR
ETHYLBENZENE	ND	5.4	UG/KG	11/19/91	SDR
TOLUENE	ND	5.4	UG/KG	11/19/91	SDR
XYLENES, TOTAL	ND	5.4	UG/KG	11/19/91	SDR

ND = NOT DETECTED
UG/KG = PPB MG/KG = PPM
NDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

MASSACHUSETTS CERTIFICATION: MA136

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ANALYSIS REPORT

SAMPLE No	COLLECTED			POINT OF COLLECTION
	DATE	TIME	BY	
E102798N	11/06/91	12:10	JM	SOIL - T-4, GASOLINE TANKFIELD BOTTOM; TEXACO S/S, 881 EDGELL ROAD, FRAMINGHAM, MA

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITS
PETROLEUM HYDROCARBONS	520	25	MG/KG	11/21/91	CAD
SOLIDS, TOTAL PERCENT	93	2.0	%	11/20/91	CAD

UG/KG = PPB NG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

MASSACHUSETTS CERTIFICATION: MA136

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ANALYSIS REPORT

SAMPLE No	COLLECTED			POINT OF COLLECTION
	DATE	TIME	BY	
E102799N	11/06/91	13:30	JM	SOIL - T-5, GASOLINE TANKFIELD BOTTOM; TEXACO S/S, 881 EDGELL ROAD, FRAMINGHAM, MA

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITS
PURGEABLE AROMATICS					
BENZENE	ND	5.3	UG/KG	11/18/91	SDB
ETHYLBENZENE	ND	5.3	UG/KG	11/18/91	SDB
TOLUENE	ND	5.3	UG/KG	11/18/91	SDB
XYLENES, TOTAL	ND	5.3	UG/KG	11/18/91	SDB

ND = NOT DETECTED
UG/KG = PPB NG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

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SAMPLE No	COLLECTED			POINT OF COLLECTION
	DATE	TIME	BY	
E102799N	11/06/91	13:30	JM	SOIL - T-5, GASOLINE TANKFIELD BOTTOM; TEXACO S/S, 881 EDGELL ROAD, FRAMINGHAM, MA

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITS
PETROLEUM HYDROCARBONS	60	25	MG/KG	11/21/91	CAD
SOLIDS, TOTAL PERCENT	95	2.0	%	11/20/91	CAD

UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

MASSACHUSETTS CERTIFICATION: MA136

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LAB DIRECTOR



HANDEX OF NEW ENGLAND INC.
398 CEDAR HILL STREET
MARLBOROUGH, MA 01752

ATTN: J. ITALIANO

DATE: 11/24/91
JOB No: 910888N
PROJECT No: 105222-01
SAMPLE RECEIVED: 11/15/91

SAMPLE SUMMARY

SAMPLE No	COLLECTED			POINT OF COLLECTION
	DATE	TIME	BY	
E102800N	11/07/91	10:00	JM	SOIL - POST EXCAVATION FUEL OIL - TANKFIELD; TEXACO S/S, 881 EDGELL ROAD, FRAMINGHAM, MA
E102801N	11/07/91	10:15	JM	SOIL - POST EXCAVATION WASTE OIL 7 TANKFIELD BOTTOM; TEXACO S/S, 881 EDGELL ROAD, FRAMINGHAM, MA

CERTIFICATIONS: MASSACHUSETTS (MA136)


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ANALYSIS REPORT

SAMPLE No	COLLECTED			POINT OF COLLECTION
	DATE	TIME	BY	
E102800N	11/07/91	10:00	JM	SOIL - POST EXCAVATION FUEL OIL TANKFIELD; TEXACO S/S, 881 EDGELL ROAD, FRAMINGHAM, MA

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITIALS
PURGEABLE AROMATICS					
BENZENE	ND	5.4	UG/KG	11/18/91	SDR
ETHYLBENZENE	ND	5.4	UG/KG	11/18/91	SDR
TOLUENE	ND	5.4	UG/KG	11/18/91	SDR
XYLENES, TOTAL	ND	5.4	UG/KG	11/18/91	SDR

ND = NOT DETECTED

UG/KG = PPB NG/KG = PPM

MDL = METHOD DETECTION LIMIT

ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

MASSACHUSETTS CERTIFICATION: MA136

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SAMPLE No	COLLECTED			POINT OF COLLECTION
	DATE	TIME	BY	
E102800N	11/07/91	10:00	JM	SOIL - POST EXCAVATION FUEL OIL TANKFIELD; TEXACO S/S, 881 EDGELL ROAD, FRAMINGHAM, MA

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INITIALS
PETROLEUM HYDROCARBONS	85	25	MG/KG	11/21/91	CAD
SOLIDS, TOTAL PERCENT	93	2.0	%	11/20/91	CAD

UG/KG = PPM MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

MASSACHUSETTS CERTIFICATION: MA136

JOHN HAMILTON
LAB DIRECTOR



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ANALYSIS REPORT

SAMPLE No	COLLECTED			POINT OF COLLECTION
	DATE	TIME	BY	
E102801N	11/07/91	10:15	JM	SOIL - POST EXCAVATION WASTE OIL TANKFIELD BOTTOM; TEXACO S/S, 881 EDGEHILL ROAD, FRAMINGHAM, MA

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INIT
PURGEABLE AROMATICS					
BENZENE	ND	5.4	UG/KG	11/18/91	SDR
ETHYLBENZENE	ND	5.4	UG/KG	11/18/91	SDR
TOLUENE	ND	5.4	UG/KG	11/18/91	SDR
XYLENES, TOTAL	ND	5.4	UG/KG	11/18/91	SDR

ND = NOT DETECTED

UG/KG = PPB MG/KG = PPM

MDL = METHOD DETECTION LIMIT

ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

MASSACHUSETTS CERTIFICATION: MA136

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LAB DIRECTOR

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ANALYSIS REPORT

SAMPLE No	COLLECTED			POINT OF COLLECTION
	DATE	TIME	BY	
E102801N	11/07/91	10:15	JM	SOIL - POST EXCAVATION WASTE OIL TANKFIELD BOTTOM; TEXACO S/S, 881 EDGELL ROAD, FRAMINGHAM, MA

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INIT:
PETROLEUM HYDROCARBONS	280	25	MG/KG	11/21/91	CAD
SOLIDS, TOTAL PERCENT	93	2.0	%	11/20/91	CAD

UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

MASSACHUSETTS CERTIFICATION: MA136

JOHN HAMILTON
LAB DIRECTOR



HANDEX OF NEW ENGLAND INC.
398 CEDAR HILL STREET
MARLBOROUGH, MA 01752

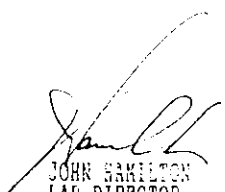
ATTN: J. ITALIANO

DATE: 12/13/91
JOB No: 910885N
PROJECT No: 105222-01
SAMPLE RECEIVED: 11/15/91

SAMPLE SUMMARY

SAMPLE No	COLLECTED			POINT OF COLLECTION
	DATE	TIME	BY	
E102793N	11/08/91	11:00	JM	SOIL - STOCKPILE COMPOSITE, GASOLINE TANKFIELD; TEXACO S/S, 881 EDGELL ROAD, FRAMINGHAM, MA

CERTIFICATIONS: MASSACHUSETTS (MA136)


JOHN HAMILTON
LAB DIRECTOR



ANALYSIS REPORT FOR VOLATILE ORGANICS BY GC/MS

CLIENT : H.N.E.
 LAB SAMPLE #: E102793N
 MATRIX : SOIL
 METHOD : SW846 8240

Initial :
 Dilution #1 :
 Dilution #2 :

DATA
 FILES

>A3808

ANALYSIS
 DATE

11/18/91

COMPOUND	RESULT (ug/kg) *	MDL (ug/kg) *	Q
1) ACROLEIN	ND	110	
2) ACRYLONITRILE	ND	110	
3) BENZENE	ND	5.3	
4) BROMOFORM	ND	5.3	
5) BROMODICHLOROMETHANE	ND	5.3	
6) BROMOMETHANE	ND	11	
7) CARBON TETRACHLORIDE	ND	5.3	
8) CHLOROBENZENE	ND	5.3	
9) CHLOROETHANE	ND	11	
10) 2-CHLOROETHYL VINYL ETHER	ND	11	
11) CHLOROFORM	ND	5.3	
12) CHLOROMETHANE	ND	11	
13) cis-1,3-DICHLOROPROPENE	ND	5.3	
14) DIBROMOCHLOROMETHANE	ND	5.3	
15) 1,2-DICHLOROBENZENE	ND	5.3	
16) 1,3-DICHLOROBENZENE	ND	5.3	
17) 1,4-DICHLOROBENZENE	ND	5.3	
18) 1,1-DICHLOROETHANE	ND	5.3	
19) 1,2-DICHLOROETHANE	ND	5.3	
20) 1,1-DICHLOROETHYLENE	ND	5.3	
21) trans-1,2-DICHLOROETHYLENE	ND	5.3	
22) trans-1,3-DICHLOROPROPENE	ND	5.3	
23) 1,2-DICHLOROPROPANE	ND	5.3	
24) ETHYLBENZENE	ND	5.3	
25) METHYLENE CHLORIDE	ND	5.3	
26) 1,1,2,2-TETRACHLOROETHANE	ND	5.3	
27) TETRACHLOROETHYLENE	ND	5.3	
28) TOLUENE	ND	5.3	
29) 1,1,1-TRICHLOROETHANE	ND	5.3	
30) 1,1,2-TRICHLOROETHANE	ND	5.3	
31) TRICHLOROETHYLENE	ND	5.3	
32) TRICHLOROFLUOROMETHANE	ND	5.3	
33) VINYL CHLORIDE	ND	11	
34) m-XYLENE	ND	5.3	
35) p,o-XYLENE	ND	5.3	

ND = NOT DETECTED
 MDL= METHOD DETECTION LIMIT
 * - REPORTED ON A DRY WEIGHT BASIS

(1) - RESULTS REPORTED FROM DILUTION #1
 (2) - RESULTS REPORTED FROM DILUTION #2

QUALIFIERS (Q)

J =INDICATES AN ESTIMATED VALUE BELOW MDL
 B =INDICATES COMPOUND FOUND IN THE ASSOCIATED BLANK AS WELL AS IN SAMPLE
 E =ESTIMATED VALUE; EXCEEDS INSTRUMENT CALIBRATION RANGE



ANALYSIS REPORT

SAMPLE No	COLLECTED			POINT OF COLLECTION
	DATE	TIME	BY	
E102793N	11/08/91	11:00	JM	SOIL - STOCKPILE COMPOSITE, GASOLINE TANKFIELD; TEXACO S/S, 881 EDGELL ROAD, FRAMINGHAM, MA

TCLP PARAMETER	RESULT	EPA#	MCL	MDL	UNITS	DATE	ID
ARSENIC, LEACHATE	<0.50	D004	5.0	0.50	MG/L	12/03/91	H
BARIUM, LEACHATE	0.64	D005	100	0.10	MG/L	11/27/91	H
CADMIUM, LEACHATE	<0.010	D006	1.0	0.010	MG/L	11/27/91	H
CHROMIUM, LEACHATE	<0.025	D007	5.0	0.025	MG/L	11/27/91	H
LEAD, LEACHATE	<0.10	D008	5.0	0.10	MG/L	11/27/91	H
MERCURY, LEACHATE	<0.001	D009	0.20	0.001	MG/L	11/30/91	H
SELENIUM, LEACHATE	<0.50	D010	1.0	0.50	MG/L	12/03/91	H
SILVER, LEACHATE	<0.030	D011	5.0	0.030	MG/L	11/26/91	H

MDL = METHOD DETECTION LIMIT
MCL = MAXIMUM CONTAMINATION LEVEL

MASSACHUSETTS CERTIFICATION: MA136

JOHN HAMILTON
LAB DIRECTOR



ACCUTEST®
LABORATORIES OF NEW ENGLAND, INC.

ANALYSIS REPORT

SAMPLE No	COLLECTED			POINT OF COLLECTION
	DATE	TIME	BY	
E102793N	11/08/91	11:00	JM	SOIL - STOCKPILE COMPOSITE, GASOLINE TANKFIELD; TEXACO S/S, 881 EDGELL ROAD, FRAMINGHAM, MA

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INIT
PCB'S					
AROCHLOR 1015	ND	26	UG/KG	12/05/91	SDS
AROCHLOR 1221	ND	26	UG/KG	12/05/91	SDS
AROCHLOR 1232	ND	26	UG/KG	12/05/91	SDS
AROCHLOR 1242	ND	26	UG/KG	12/05/91	SDS
AROCHLOR 1248	ND	26	UG/KG	12/05/91	SDS
AROCHLOR 1254	ND	26	UG/KG	12/05/91	SDS
AROCHLOR 1260	ND	26	UG/KG	12/05/91	SDS

ND = NOT DETECTED
UG/KG = PPB MG/KG = PPM
MDL = METHOD DETECTION LIMIT
ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

JOHN HAMILTON
LAB DIRECTOR



ANALYSIS REPORT

SAMPLE No	COLLECTED			POINT OF COLLECTION
	DATE	TIME	BY	
E102793N	11/08/91	11:00	JM	SOIL - STOCKPILE COMPOSITE, GASOLINE TANKFIELD; TEXACO S/S, 881 EDGELL ROAD, FRAMINGHAM, MA

TEST DESCRIPTION	RESULT	MDL	UNITS	DATE	INIT
CORROSIVITY	NC			11/19/91	HBM
CYANIDE REACTIVITY	<1.5	1.5	MG/KG	12/05/91	BLB
CYANIDE, TOTAL	<0.50	0.50	MG/KG	12/05/91	BLB
IGNITABILITY (FLASHPOINT)	>150		DEG F	11/24/91	JPH
PETROLEUM HYDROCARBONS	170	25	MG/KG	11/21/91	CAD
SOLIDS, TOTAL PERCENT	95	2.0	%	11/20/91	CAD
SULFIDE REACTIVITY	<20	20	MG/KG	12/05/91	HBM
pH	7.5		SU	11/19/91	HBM

US/KG = PPM MG/KG = PPM
 MDL = METHOD DETECTION LIMIT
 ALL RESULTS REPORTED ON A DRY WEIGHT BASIS

MASSACHUSETTS CERTIFICATION: MA136

JOHN HAMILTON
 LAB DIRECTOR

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