Dep. Jim L. Faust
DEPUTY OIL & GAS INSPECTOR
DEC 21 1998

EL PASO FIELD SERVICES
PRODUCTION PIT CLOSURE

Approved

RECEIVED
JUL 2 1998
OIL CON. DIV.
DIST. 3

MCCORD #11 DK
Meter/Line ID - 73800

SITE DETAILS

Legals - Twn: 30 **Rng:** 13 **Sec:** 09 **Unit:** N
NMOCD Hazard Ranking: 10 **Land Type:** 2 - Federal
Operator: MERIDIAN OIL INC - UNICON **Pit Closure Date:** 04/20/94

RATIONALE FOR RISK-BASED CLOSURE:

The above mentioned production pit was assessed and ranked according to the criteria in the New Mexico Conservation Division's Unlined Surface Impoundment Closure Guidelines.

The primary source, discharge to the pit, has been removed. There has been no discharge to the production pit for at least five years and the pit has been closed for at least three years.

The production pit has been remediated to the practical extent of the trackhoe or to the top of bedrock. Initial laboratory analysis has indicated that the soil remaining at the bottom of the excavation is above standards based on the hazard ranking score. Contaminated soil was removed and transported to an approved landfarm for disposal. The initial excavation was backfilled with clean soil and graded in a manner to divert precipitation away from the excavated area. Any rainfall that does infiltrate the ground surface must migrate through clean backfill before reaching any residual hydrocarbons remaining in the soil. Therefore, further mobility of residual hydrocarbons is unlikely.

Since the soil samples from the initial excavation were above standards, a test boring was drilled and a sample was collected to evaluate the vertical extent of impact to soils. Test boring sample results indicated soils below standards beneath the original excavation.

El Paso Field Services Company (EPFS) requests closure of the above mentioned production pit location for the following reasons:

- Discharge to the pit has not occurred in over five years and the pit has been closed for over three years.
- The bulk of the impacted soil was removed during the initial excavation.
- The excavation was backfilled with clean soil and graded to divert precipitation away from the excavation area.
- All source material has been removed from the ground surface, eliminating potential direct contact with livestock and the general public.
- Groundwater was not encountered in the initial excavation or test boring; therefore, impact to groundwater is unlikely.
- Soil samples collected beneath the initial excavation were below standards.
- No potential receptors are within 1,000 feet of the site.
- Residual hydrocarbons remaining in the soil at the bottom of the initial excavation will naturally degrade in time with minimal risk to the environment.

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 73800 Location: MCCORD #11 DK

Operator #: 0128 Operator Name: MERIDIAN P/L District: KUTZ

Coordinates: Letter: N Section 9 Township: 30 Range: 13

Or Latitude _____ Longitude _____

Pit Type: Dehydrator X Location Drip: ___ Line Drip: ___ Other: _____

Site Visit Date: 3.24.94 Run: 02 31

SITE ASSESSMENT

NMOCD Zone: (From NMOCD Maps).
- Inside Vulnerable Zone ☒
- Outside ☐

Land Type:
- BLM ☒
- State ☐
- Fee ☐
- Indian _____

Depth to Groundwater
- Less Than 50 Feet (20 points) ☐
- 50 Ft to 99 Ft (10 points) ☒
- Greater Than 100 Ft (0 points) ☐

Wellhead Protection Area :
Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction? , or ; Is it less than 200 ft from a private domestic water source? ☐ YES (20 points) ☒ NO (0 points)

Horizontal Distance to Surface Water Body
- Less Than 200 Ft (20 points) ☐
- 200 Ft to 1000 Ft (10 points) ☐
- Greater Than 1000 Ft (0 points) ☒

Name of Surface Water Body _____

(Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)

TOTAL HAZARD RANKING SCORE: 10 **POINTS**

REMARKS

Remarks : ONLY PIT ON LOCATION. DEHY HAS BEEN DISCONNECTED BUT IS STILL BESIDE PIT.

ORIGINAL PIT LOCATION

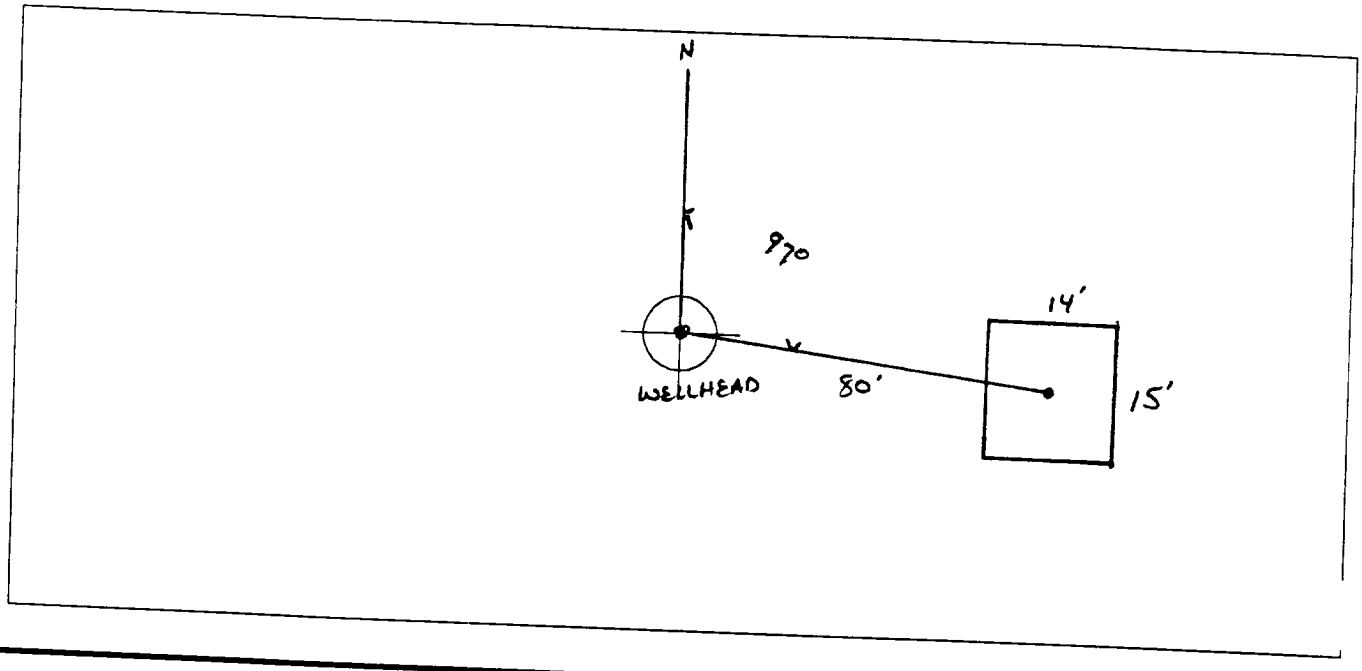
ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 97° Footage to Wellhead 80'

b) Degrees from North _____ Footage to Dogleg _____

Dogleg Name _____

c) Length : 15' Width : 14' Depth : 5'



REMARKS

Remarks :

STARTED TAKING PICTURES AT END DUMP

Completed By:

Robert Thompson
Signature

3.24.94
Date

PHASE I
EXCAVATION

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 73800 Location: McCord #11 DK

Coordinates: Letter: N Section 9 Township: 30 Range: 13

Or Latitude _____ Longitude _____

Date Started : 4-20-94 Area: 02 Run: 31

FIELD OBSERVATIONS

Sample Number(s): 940834 VW14 _____ _____ _____

Sample Depth: 12 Feet

Final PID Reading 98 PID Reading Depth 12 Feet

Groundwater Encountered Yes ☐ (1) No ☒ (2) Approximate Depth 12 Feet

CLOSURE

Remediation Method :

Excavation ☒ (1) Approx. Cubic Yards 30

Onsite Bioremediation ☐ (2)

Backfill Pit Without Excavation ☐ (3)

Soil Disposition:

Envirotech ☐ (1) ☒ (3) Tierra

Other Facility ☐ (2) Name: _____

Pit Closure Date: 4-20-94 Pit Closed By: BEI

REMARKS

Remarks : Pit size 10 X 11 X 12.

Signature of Specialist: Dale Wilson

(SP3191) 04/07/94

RE-RUN BTEX
0.2g / 30ml meOH

El Paso Natural Gas Company

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	VW14	940834
MTR CODE | SITE NAME:	73800	N/A
SAMPLE DATE | TIME (Hrs):	4/20/94	1015
SAMPLED BY:	N/A	
DATE OF TPH EXT. | ANAL.:	N/A	N/A
DATE OF BTEX EXT. | ANAL.:	5/3/94	5/17/94
TYPE | DESCRIPTION:	VC	N/A

REMARKS: ReRun @ 0.2g | 30ml MeOH - BTEX

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	5.90	MG/KG				
TOLUENE	2.51	MG/KG				
ETHYL BENZENE	32.6	MG/KG				
TOTAL XYLENES	294	MG/KG				
TOTAL BTEX	584	MG/KG	0.150		0.20	30
TPH (418.1)	5000	MG/KG				
HEADSPACE PID	98	PPM				
PERCENT SOLIDS	84.4	%				

– TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 –

The Surrogate Recovery was at 87.7 % for this sample All QA/QC was acceptable.

Narrative:

DF = Dilution Factor Used

Approved By: John Labbe

Date: 5/21/94

El Paso Natural Gas Company

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	1W14	940834
MTR CODE | SITE NAME:	73800	N/A
SAMPLE DATE | TIME (Hrs):	4/20/94	1015
SAMPLED BY:	N/A	
DATE OF TPH EXT. | ANAL.:	4-22-94	4-22-94
DATE OF BTEX EXT. | ANAL.:	4/25/94	4/26/94
TYPE | DESCRIPTION:	VC	Brown Sand/Clay

REMARKS: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	2.76	MG/KG	20			
TOLUENE	395	MG/KG	20	D1		
ETHYL BENZENE	51.8	MG/KG	20	D1		
TOTAL XYLENES	379	MG/KG	20	D1		
TOTAL BTEX	829	MG/KG	0.0377		0.53	20
TPH (418.1)	5002	MG/KG			2.09	28
HEADSPACE PID	98	PPM				
PERCENT SOLIDS	84.4	%				

-- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 --

The Surrogate Recovery was at 112.4 % for this sample All QA/QC was acceptable.

Narrative: _____

DF = Dilution Factor Used

Approved By: _____ Date: _____

MTR 72600

STACY BENDLER

File : [illegible]3401.101
Queue : SOILEXTR Set Number : 1
Type : Sample

Run : [illegible]

Path : [illegible]CHROM [10:51:33 Apr 25 1994]

Collection : 07:18:22 Apr 22 1994 Meth(A): BETX [10:51:07 Apr 25 1994]

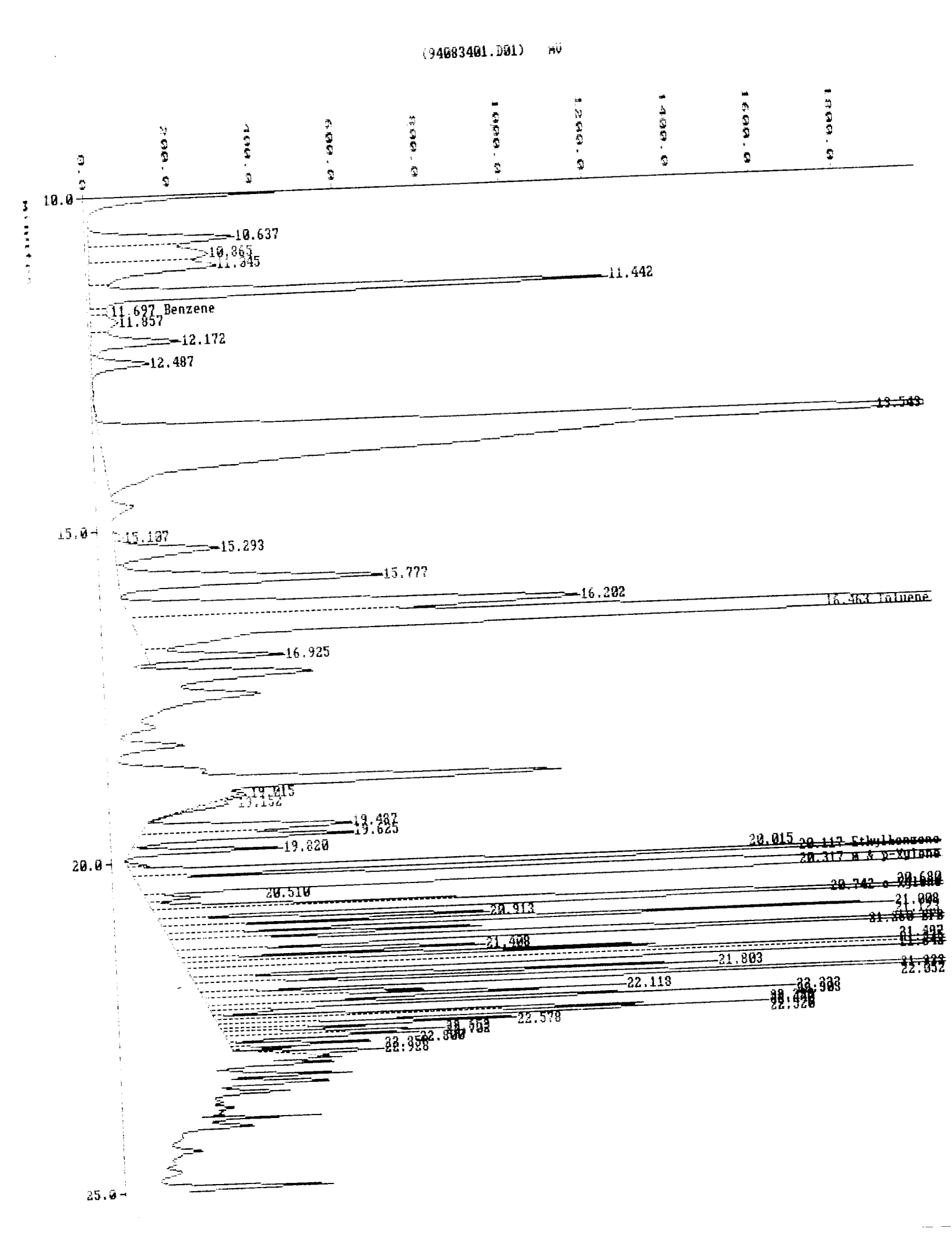
Integration : 07:18:22 Apr 26 1994 Meth(A): BETX [10:51:02 Apr 25 1994]

Report : 07:41 [illegible] 25 1994 Meth(A): BETX

Sample Amt : 1.00000e+0 Dilution: 3.77000e-2

INTERNAL STANDARD (AREA)

RT	Area	BC	ExpRT	RF	ug/L	Name	
10.666	1191193	T		0.00000e+0	0.0000	Unknown	
10.865	2375600	T		0.00000e+0	0.0000	Unknown	
11.045	1487254	T		0.00000e+0	0.0000	Unknown	
11.441	3520800	T		0.00000e+0	0.0000	Unknown	
11.297	217040	T	11.577	1.40288e-5	0.1882	Benzene	2.76
11.957	777736	T		0.00000e+0	0.0000	Unknown	
12.172	1095249	T		0.00000e+0	0.0000	Unknown	
12.407	1127193	V		0.00000e+0	0.0000	Unknown	
12.540	18700000			0.00000e+0	0.0000	Unknown	
			[illegible]	1.21215e-4		a,a,a-TFT	
15.117	149177	T		0.00000e+0	0.0000	Unknown	
15.292	1299078	T		0.00000e+0	0.0000	Unknown	
15.777	1249078	V		0.00000e+0	0.0000	Unknown	
16.251	12079268	T		0.00000e+0	0.0000	Unknown	
16.453	72653992	T	16.511	7.20947e-6	19.7425	Toluene	395
16.925	2103000			0.00000e+0	0.0000	Unknown	
19.015	119789	T		0.00000e+0	0.0000	Unknown	
19.131	246175	V		0.00000e+0	0.0000	Unknown	
19.486	3511891	T		0.00000e+0	0.0000	Unknown	
19.825	2637762	T		0.00000e+0	0.0000	Unknown	
19.920	1099550	V		0.00000e+0	0.0000	Unknown	
20.015	160171	T		0.00000e+0	0.0000	Unknown	
20.117	1457751	T	20.150	8.59545e-6	2.5950	Ethylbenzene	51.8
[illegible]	20016328	T	20.339	8.25095e-6	10.9950	m & p-xylene	280
[illegible]	400000	T		0.00000e+0	0.0000	Unknown	
[illegible]	2285553	T		0.00000e+0	0.0000	Unknown	48.6
[illegible]	11652098	T	20.722	5.31925e-6	4.9310	o-xylene	+x = 379
20.910	3261924	T		0.00000e+0	0.0000	Unknown	
21.008	5983117	T		0.00000e+0	0.0000	Unknown	
21.123	2108778	T		0.00000e+0	0.0000	Unknown	
21.180	19926532	T	21.211	5.64524e-6	4.2409	BFB	112.4
21.408	3206667	T		0.00000e+0	0.0000	Unknown	
21.497	2748889	T		0.00000e+0	0.0000	Unknown	
21.577	14005009	T		0.00000e+0	0.0000	Unknown	
21.642	14822090	T		0.00000e+0	0.0000	Unknown	
21.803	3724647	T		0.00000e+0	0.0000	Unknown	
21.935	16384590	T		0.00000e+0	0.0000	Unknown	
22.051	1840070	T		0.00000e+0	0.0000	Unknown	
22.118	3997615	T		0.00000e+0	0.0000	Unknown	
22.220	3392521	T		0.00000e+0	0.0000	Unknown	
22.308	475641	T		0.00000e+0	0.0000	Unknown	
22.333	1227262	T		0.00000e+0	0.0000	Unknown	
22.440	1956395	T		0.00000e+0	0.0000	Unknown	
22.520	1744997	T		0.00000e+0	0.0000	Unknown	
22.578	823271	T		0.00000e+0	0.0000	Unknown	
22.653	1572538	T		0.00000e+0	0.0000	Unknown	
22.701	1066197	T		0.00000e+0	0.0000	Unknown	
22.800				0.00000e+0			
				0.00000e+0			


(94083401.D01) HV
10.0
10.637
10.865
11.345
11.442
11.697 Benzene
11.857
12.172
12.487
15.0
15.107
15.293
15.777
16.202
16.963 Toluene
16.925
19.487
19.625
19.820
20.0
20.510
20.913
21.408
21.803
22.118
22.578
25.0

STACY BENDLER

Type : Sample

File : [illegible]401.D02

Queue : SOILEXTR Set Number : 1

Path : [illegible]CHROM

Collection : 07:15:20 Apr 26 1994 Meth(B): BETX [illegible] 11:19:25 Apr 22 1994

Integration: 07:15:20 Apr 26 1994 Meth(B): BETX [illegible] 11:20:25 Apr 22 1994

[illegible] : 07:41:55 Apr 26 1994 Meth(B): BETX [illegible] 11:20:18 Apr 22 1994

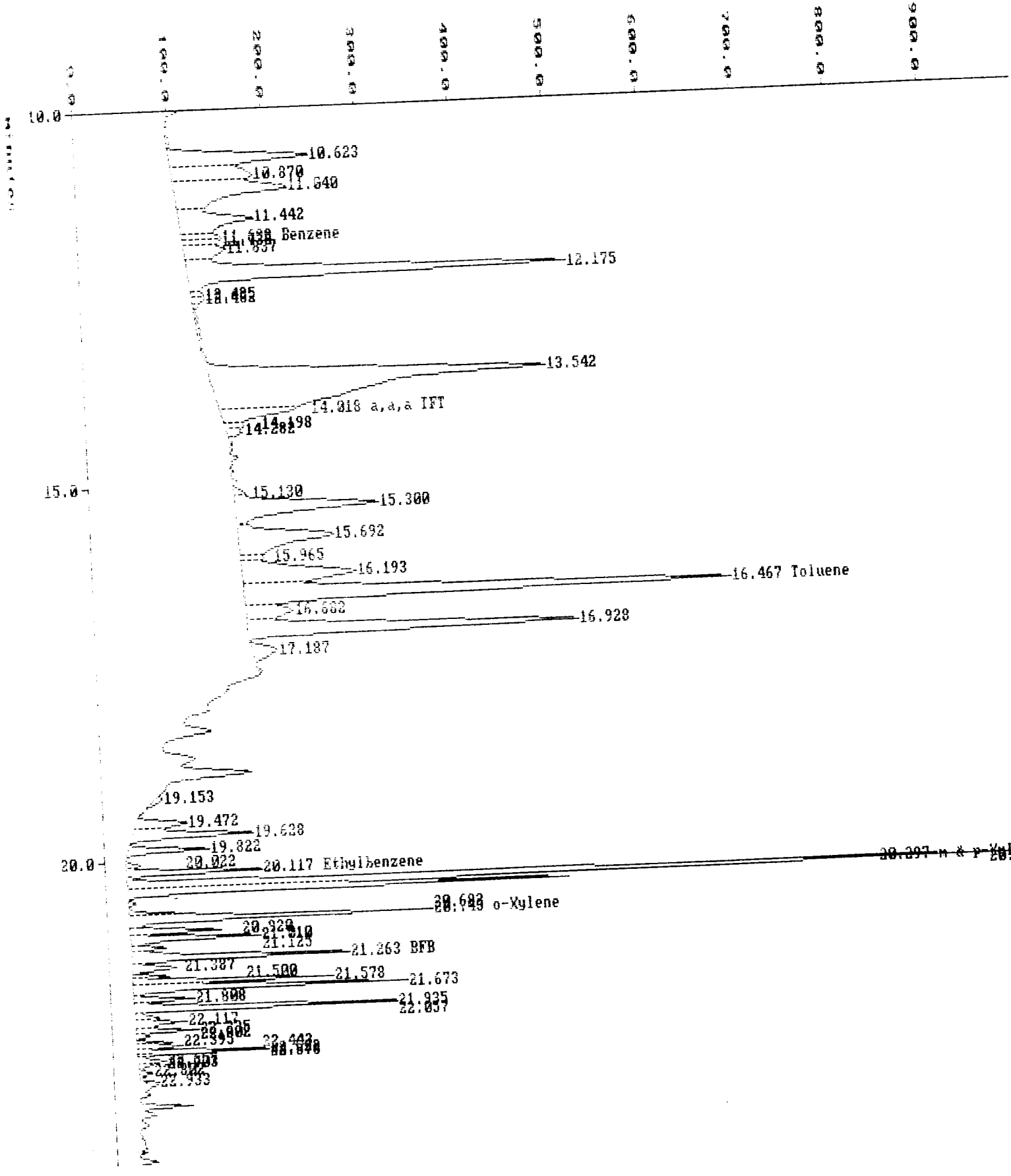
Sample Amt : 1.00000e+0 Dilution: 3.77000e-2

EXTERNAL STANDARD (AREA)

RT	Area	BC	ExpRT	RF	ug/L	Name
10.820	1036444	T		0.00000e+0	0.0000	Unknown
10.870	383637	T		0.00000e+0	0.0000	Unknown
11.340	1600797	T		0.00000e+0	0.0000	Unknown
11.441	917741	T		0.00000e+0	0.0000	Unknown
11.592	184192	T	11.552	2.08350e-4	1.4468	Benzene
11.732	173750	T		0.00000e+0	0.0000	Unknown
11.937	421749	T		0.00000e+0	0.0000	Unknown
12.175	3146023	T		0.00000e+0	0.0000	Unknown
[illegible]	[illegible]	T		0.00000e+0	0.0000	Unknown
[illegible]	72223	T		0.00000e+0	0.0000	Unknown
[illegible]	3246201	T		0.00000e+0	0.0000	a,a,a TFT
14.018	514475	T	14.010	0.00000e+0	0.0000	Unknown
[illegible]	99947	T		0.00000e+0	0.0000	Unknown
14.202	89691	T		0.00000e+0	0.0000	Unknown
15.150	85594	T		0.00000e+0	0.0000	Unknown
15.300	1394504	T		0.00000e+0	0.0000	Unknown
15.891	1294848	T		0.00000e+0	0.0000	Unknown
15.965	93240	T		0.00000e+0	0.0000	Unknown
16.193	1445831	T		0.00000e+0	0.0000	Unknown
16.467	3873154	T	[illegible]	1.65927e-4	24.2020	Toluene
16.682	458391	T		0.00000e+0	0.0000	Unknown
[illegible]	2431458	V		0.00000e+0	0.0000	Unknown
[illegible]	264484	V		0.00000e+0	0.0000	Unknown
[illegible]	38225	V		0.00000e+0	0.0000	Unknown
[illegible]	747452	T		0.00000e+0	0.0000	Unknown
[illegible]	599940	V		0.00000e+0	0.0000	Unknown
[illegible]	725600	V		0.00000e+0	0.0000	Unknown
20.022	56859	T		0.00000e+0	0.0000	Unknown
20.117	476342	T	[illegible]	1.49132e-4	2.3894	Ethylbenzene
20.297	3704769	T	20.270	1.40869e-4	20.0941	m & p-Xylene
[illegible]	1142866	T		0.00000e+0	0.0000	Unknown
20.682	221009	T		0.00000e+0	0.0000	Unknown
20.740	1015926	T	20.718	1.50724e-4	5.8877	o-Xylene
20.920	332058	T		0.00000e+0	0.0000	Unknown
21.010	463620	T		0.00000e+0	0.0000	Unknown
21.125	199906	T		0.00000e+0	0.2020	BFB
21.153	308450	T	21.270	5.86000e-6	0.0000	Unknown
21.387	198824	T		0.00000e+0	0.0000	Unknown
[illegible]	90907	T		0.00000e+0	0.0000	Unknown
21.578	596173	T		0.00000e+0	0.0000	Unknown
21.675	1007293	T		0.00000e+0	0.0000	Unknown
21.808	192884	T		0.00000e+0	0.0000	Unknown
21.935	756225	T		0.00000e+0	0.0000	Unknown
22.057	87709	T		0.00000e+0	0.0000	Unknown
22.117	215666	T		0.00000e+0	0.0000	Unknown
22.235	156801	T		0.00000e+0	0.0000	Unknown
22.302	35734	V		0.00000e+0	0.0000	Unknown
22.395	81961	T		0.00000e+0	0.0000	Unknown
22.440	147929	T		0.00000e+0	0.0000	Unknown
[illegible]	[illegible]			[illegible]	0.0000	Unknown

[illegible]	[illegible]	0.00000e+0	0.0000	Unknown
[illegible]	[illegible]	0.00000e+0	0.0000	Unknown
[illegible]	[illegible]	0.00000e+0	0.0000	Unknown
[illegible]	[illegible]	0.00000e+0	0.0000	Unknown

(94083401.D02) mV



Test Method for
Oil and Grease and Petroleum Hydrocarbons
in Water and Soil

Perkin-Elmer Model 1600 FT-IR
Analysis Report

94/04/22 10:35

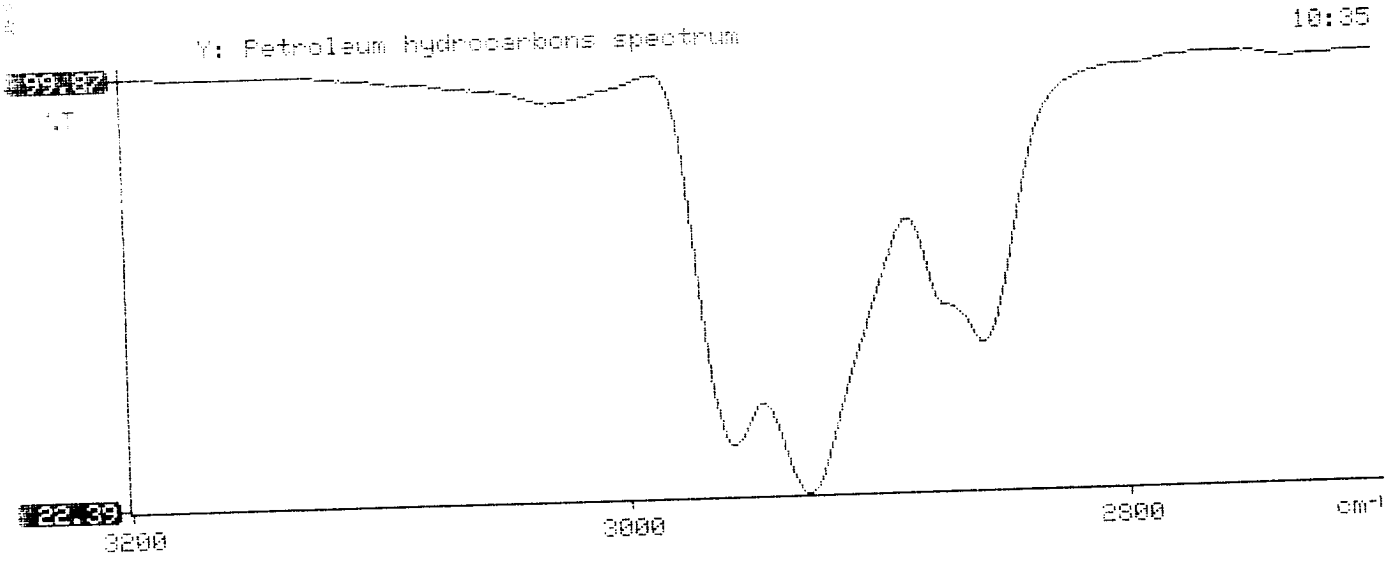
Sample identification
940834

Initial mass of sample, g
2.090

Volume of sample after extraction, ml
28.000

Petroleum hydrocarbons, ppm
5001.545

Net absorbance of hydrocarbons (2930 cm-1)
0.648



File : [illegible] 940834 1:20 Inj : [illegible]

Type : Sample

Acq : [illegible] May 17 1994 Meth(A): BETX [illegible] May 17 1994

[illegible] May 17 1994 Meth(A): BETX [illegible] May 17 1994

[illegible] May 17 1994 Meth(A): BETX [illegible] May 17 1994

[illegible] May 17 1994

[illegible] Dilution: 2.00000e+1

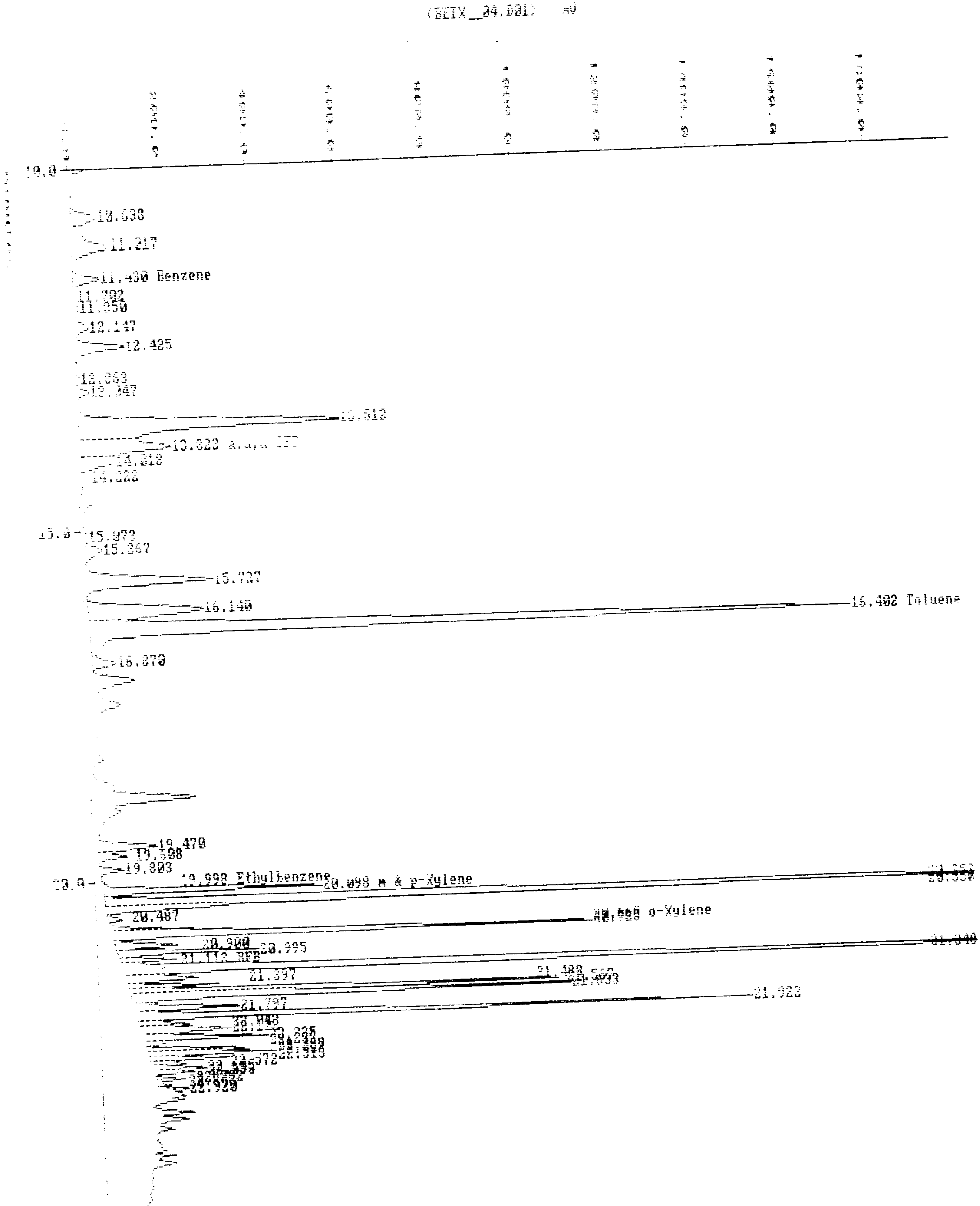
EXTERNAL STANDARD (AREA)

RT	Area	BC	Exp RT	RF		ug/L	Name
10.232	2021.9	[illegible]		1.00000e+0		0.0000	Unknown
[illegible]	1382070	[illegible]		0.00000e+0		0.0000	Unknown
11.[illegible]	44110	[illegible]	[illegible]	4.90037e-6	1.97	29.0584	Benzene
11.7[illegible]	33910	[illegible]		0.00000e+0		0.0000	Unknown
11.[illegible]	[illegible]1040	[illegible]		0.00000e+0		0.0000	Unknown
12.140	115570	[illegible]		0.00000e+0		0.0000	Unknown
12.[illegible]	317030	[illegible]		0.00000e+0		0.0000	Unknown
12.860	[illegible]	T		0.00000e+0		0.0000	Unknown
[illegible]	[illegible]744	[illegible]		0.00000e+0		0.0000	Unknown
13.[illegible]	4032839	[illegible]		0.00000e+0		0.0000	Unknown
13.827	1011091	[illegible]	13.[illegible]	[illegible]88012e-4		3839.6152	[illegible] a,a,a TFT
14.016	612401	[illegible]		0.00000e+0		0.0000	Unknown
14.122	118810	[illegible]		0.00000e+0		0.0000	Unknown
15.0[illegible]	22920	T		0.00000e+0		0.0000	Unknown
15.257	334847	T		0.00000e+0		0.0000	Unknown
15.726	1240210	V		0.00000e+0		0.0000	Unknown
16.140	1570730	[illegible]		0.00000e+0		0.0000	Unknown
16.401	11119402	[illegible]	16.204	7.81555e-6	83.57	1571.0722	Toluene
16.[illegible]	[illegible]	[illegible]		0.00000e+0		0.0000	Unknown
[illegible]	748190	T		0.00000e+0		0.0000	Unknown
[illegible]	[illegible]	[illegible]		0.00000e+0		0.0000	Unknown
[illegible]	208600	V		0.00000e+0		0.0000	Unknown
19.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10.87	[illegible]	Ethylbenzene x 20 = 217.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91.14	[illegible]	m & p-Xylene x 20 = 1822
[illegible]	[illegible]	[illegible]		0.00000e+0		0.0000	Unknown
[illegible]	[illegible]	[illegible]		0.00000e+0		0.0000	Unknown
[illegible]	[illegible]80040	[illegible]		0.00000e+0		0.0000	Unknown
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6.72	[illegible]	o-Xylene x 20 = 134.3
[illegible]	357211	[illegible]		0.00000e+0		0.0000	Unknown
[illegible]	[illegible]	[illegible]		0.00000e+0		0.0000	Unknown
[illegible]	858844	T		0.00000e+0		0.0000	Unknown
20.[illegible]	[illegible]5371	[illegible]	[illegible]	[illegible]	87.7	[illegible]	BFB
21.[illegible]	[illegible]	T		0.00000e+0		0.0000	Unknown
[illegible]	[illegible]408512	[illegible]		0.00000e+0		0.0000	Unknown
21.[illegible]	705300	T		0.00000e+0		0.0000	Unknown
[illegible]	518204	[illegible]		0.00000e+0		0.0000	Unknown
21.507	2753225	T		0.00000e+0		0.0000	Unknown
21.[illegible]	1105006	[illegible]		0.00000e+0		0.0000	Unknown
21.707	712245	T		0.00000e+0		0.0000	Unknown
[illegible]	3518099	T		0.00000e+0		0.0000	Unknown
22.046	394089	T		0.00000e+0		0.0000	Unknown
22.[illegible]	385227	T		0.00000e+0		0.0000	Unknown
22.[illegible]	725784	T		0.00000e+0		0.0000	Unknown
22.293	124651	T		0.00000e+0		0.0000	Unknown
22.337	501231	T		0.00000e+0		0.0000	Unknown
22.[illegible]	379935	T		0.00000e+0		0.0000	Unknown
22.510	460521	[illegible]		0.00000e+0		0.0000	Unknown
22.572	192496	T		0.00000e+0		0.0000	Unknown
22.845	354704	T		0.00000e+0		0.0000	Unknown
[illegible]	[illegible]	[illegible]		0.00000e+0		[illegible]	[illegible]

6.59961e-6

6.27948e-6

[illegible signature]
5/17/9[illegible]


(BETX__04.D01) mV
10.0
10.638
11.217
11.430 Benzene
12.147
12.425
13.512
15.0
15.267
15.727
16.140
16.402 Toluene
16.870
19.470
19.803
20.0
19.998 Ethylbenzene
20.098 m & p-Xylene
o-Xylene
20.487
20.900
20.995
21.112 BFB
21.397
21.922
21.727

John [illegible]
Type : Sample

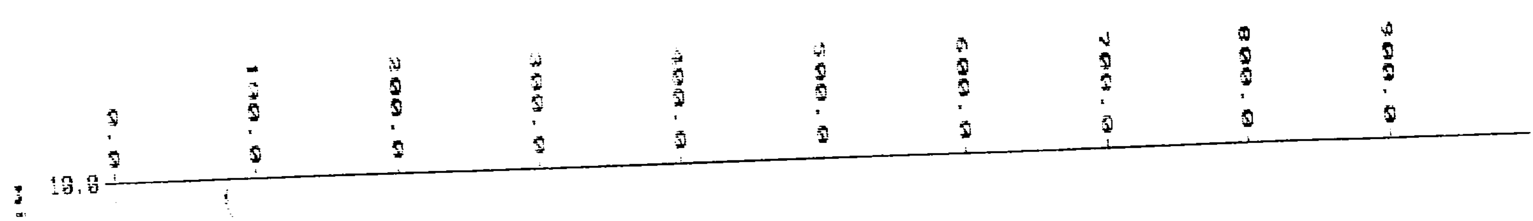
[illegible] May 17 1994 Meth([illegible]): BETX [illegible] 10:07:15 May 17 1994
[illegible] May 17 1994 Meth([illegible]): BETX [illegible] 10:07:15 May 17 1994
Integration: [illegible] May 17 1994 Meth([illegible]): BETX [illegible] 10:07:15 May 17 1994
Report [illegible] May 17 1994

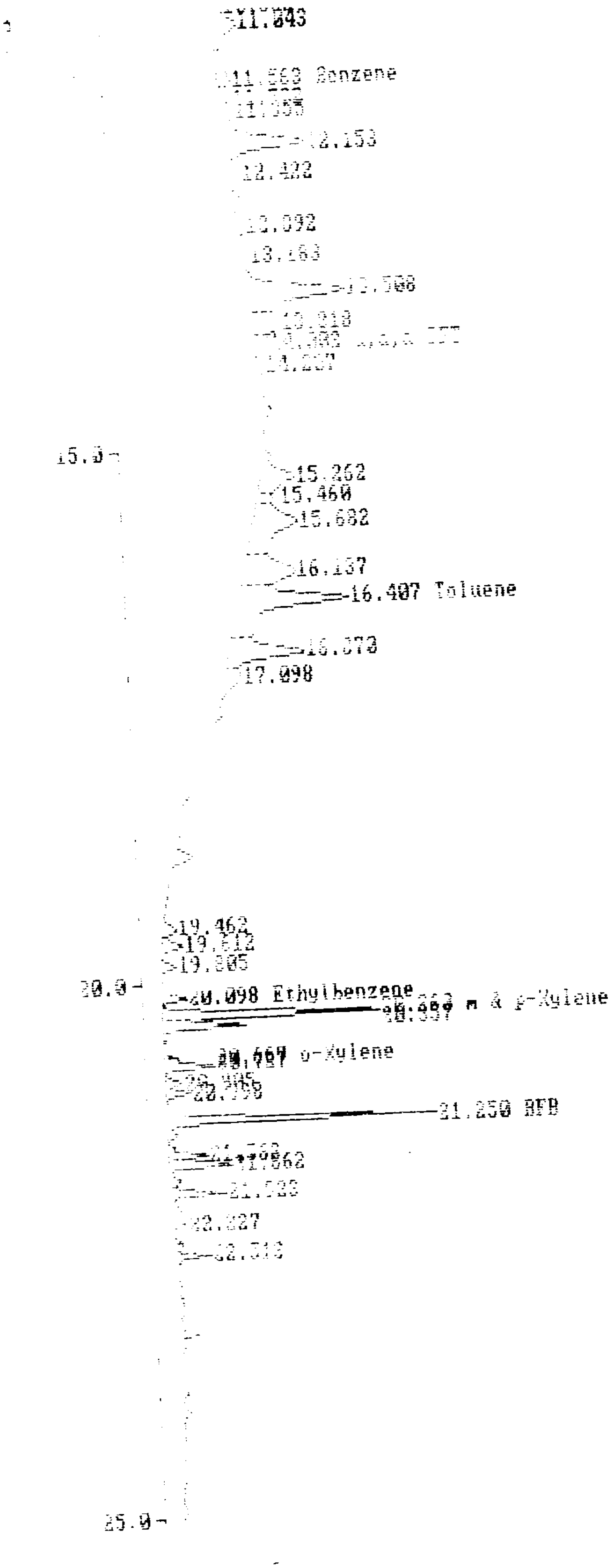
Sample [illegible] Dilution: 1.00000e+0

[illegible] STANDARD (AREA)

RT	Area	BC	ExpRT	RF	ug/L	Name
[illegible]	246521	T		0.00000e+0	0.0000	Unknown
[illegible]	32918	T		0.00000e+0	0.0000	Unknown
11.041?	225015	T		0.00000e+0	0.0000	Unknown
[illegible]	122451?	T	[illegible]	[illegible]e-4	338.5857	Benzene
[illegible]	55582	T		0.00000e+0	0.0000	Unknown
[illegible]	7?671	T		0.00000e+0	0.0000	Unknown
[illegible]	468052?	T		0.00000e+0	0.0000	Unknown
[illegible]	[illegible]	T		0.00000e+0	[illegible]	Unknown
[illegible]	[illegible]	T		0.00000e+0	[illegible]	Unknown
[illegible]	33421?	T		0.00000e+0	0.0000	Unknown
[illegible]	[illegible]	T		0.00000e+0	0.0000	Unknown
13.51?	242379	T		0.00000e+0	0.0000	[illegible]
14.001	120539?	T	14.001?	0.00000e+0	0.0000	Unknown
14.207	53599	V		0.00000e+0	0.0000	Unknown
15.151?	292283?	T		0.00000e+0	0.0000	Unknown
15.430?	58793	T		0.00000e+0	0.0000	Unknown
15.581	100494	T		0.00000e+0	0.0000	Unknown
16.?07	516274	T		0.00000e+0	0.0000	Unknown
16.407	891109	T	16.020?	2.07025e-4	3595.1079	Toluene
16.07?	430015	T		0.00000e+0	0.0000	Unknown
17.0??	124850	T		0.00000e+0	0.0000	Unknown
[illegible]	55236?	T		0.00000e+0	0.0000	Unknown
[illegible]	[illegible]	T		[illegible]e+0	0.0000	Unknown
[illegible]	[illegible]	T		0.00000e+0	0.0000	Unknown
[illegible]	[illegible]	T	[illegible]	[illegible]e-4	[illegible]	Ethylbenzene
[illegible]	[illegible]	T	[illegible]	2.08546e-4	[illegible]	m,p-Xylene
[illegible]	[illegible]	T		0.00000e+0	0.0000	Unknown
[illegible]	36741	T	20.647	1.19314e-4	87.6747	o-Xylene
20.727?	120360?	T		0.00000e+0	0.0000	Unknown
20.905?	46000	T		0.00000e+0	0.0000	Unknown
[illegible]	52409?	T		0.00000e+0	52.5721?	BFB
[illegible]	[illegible]	T	[illegible]	5.16743e-[illegible]	0.0000	Unknown
21.560?	36100?	T		0.00000e+0	0.0000	Unknown
[illegible]	[illegible]	T		0.00000e+0	[illegible]	Unknown
[illegible]	[illegible]	T		0.00000e+0	0.0000	Unknown
[illegible]	35605?	T		0.00000e+0	0.0000	Unknown
[illegible]	50218?	T		0.00000e+0		

(BETX__04.D02) mV




11.843
11.562 Benzene
11.955
12.153
12.422
13.092
13.163
13.508
15.0
15.262
15.460
15.682
16.137
16.407 Toluene
16.878
17.098
19.462
19.612
19.805
20.0
20.098 Ethylbenzene
m & p-Xylene
o-Xylene
21.250 BFB
21.528
22.027
25.0

PHASE II

RECORD OF SUBSURFACE EXPLORATION

Borehole # BH-1
Well #
Page 1 of 1

PHILIP ENVIRONMENTAL
4000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262 FAX (505) 326-2388

Project Name EPNG PITS
Project Number 14509 Phase 6000 77
Project Location McCord #11 73300

Elevation
Borehole Location QN - S9 - T30 - R13
GWL Depth
Logged By CM CHANCE
Drilled By K Padilla
Date/Time Started 10/3/95 - 1425
Date/Time Completed 10/3/95 - 1530

Well Logged By CM Chance
Personnel On-Site K Padilla, F. Rivera, D. Charlie
Contractors On-Site
Client Personnel On-Site

Drilling Method 4 1/4" ID HSA
Air Monitoring Method PID, CGI

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: PPM BZ	BH	S HS	Drilling Conditions & Blow Counts
0				Backfill to 12'						
5										
10										
15	1	15-17	16"	Br SILT, v. loose, slmoist,			0	0	1/2	1441
20	2	20-22	16"	Br SILT, v. loose, dry, tr caliche parting			0	0	1/7	1449
25				TDB 22'						
30										
35										
40										

Comments: Drilled to 20' to ensure first sample not backfill. CMC 127 (20-22') sent to lab (BTEX, TPH) BH grouted to surface.

Geologist Signature Coy Chance

El Paso Natural Gas Company

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	CMC127	9474777 577 RLB 10/5/95
MTR CODE | SITE NAME:	73800	McCord #11
SAMPLE DATE | TIME (Hrs):	10-3-95	1449
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. | ANAL.:	10-4-95	
DATE OF BTEX EXT. | ANAL.:	10/4/95	10/4/95
TYPE | DESCRIPTION:	VG	Light brown Sand & Clay

Field Remarks: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	< 0.5	MG/KG				
TOLUENE	< 0.5	MG/KG				
ETHYL BENZENE	< 0.5	MG/KG				
TOTAL XYLENES	< 1.5	MG/KG				
TOTAL BTEX	< 3	MG/KG				
TPH (418.1)	11.6	MG/KG			1.95	25
HEADSPACE PID	7	PPM				
PERCENT SOLIDS	94.0	%				

-- TPH is by EPA Method 418.1 and BTEX is by EPA Method 8020 --

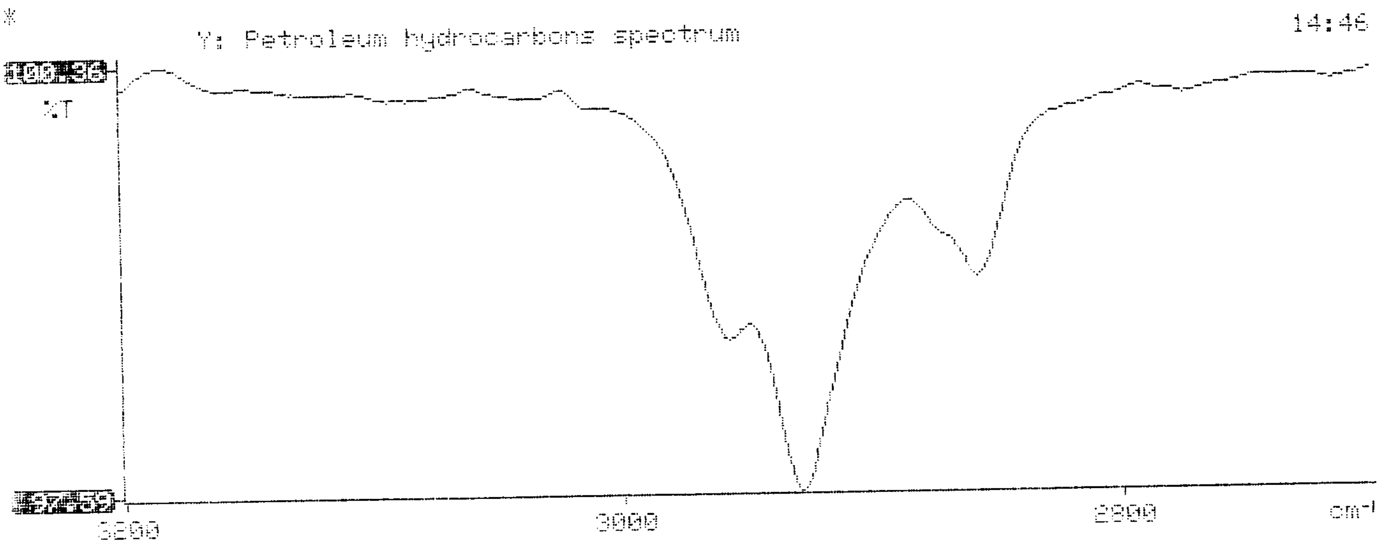
The Surrogate Recovery was at 93% for this sample All QA/QC was acceptable.

Narrative:

DF = Dilution Factor Used

Approved By: _____ Date: 10-10-95

```
*****************************************************
*                 Test Method for                   *
*    Oil and Grease and Petroleum Hydrocarbons      *
*               in Water and Soil                   *
*                                                   *
*          Perkin-Elmer Model 1600 FT-IR            *
*                 Analysis Report                   *
*****************************************************
*
 95/10/04  14:46
*
*  Sample identification
 947577
*
*  Initial mass of sample, g
 1.950
*
*  Volume of sample after extraction, ml
 28.000
*
*  Petroleum hydrocarbons, ppm
 11.612
*  Net absorbance of hydrocarbons (2930 cm-1)
 0.012
*
*
*
```



BTEX SOIL SAMPLE WORKSHEET

File	947577	**Date Printed**	10/5/95
Soil Mass (g)	5.06	**Multiplier (L/g)**	0.00099
Extraction vol. (mL)	10	**DF (Analytical)**	200
Shot Volume (uL)	50	**DF (Report)**	0.19763

			Det. Limit
Benzene (ug/L)	0.00	**Benzene (mg/Kg):**	**0.000**	0.494
Toluene (ug/L)	0.30	**Toluene (mg/Kg):**	**0.059**	0.494
Ethylbenzene (ug/L)	0.31	**Ethylbenzene (mg/Kg):**	**0.061**	0.494
p & m-xylene (ug/L)	0.51	p & m-xylene (mg/Kg):	0.101	0.988
o-xylene (ug/L)	0.00	o-xylene (mg/Kg):	0.000	0.494
		Total xylenes (mg/Kg):	**0.101**	1.482
		Total BTEX (mg/Kg):	**0.221**	

EL PASO NATURAL GAS
EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM001\100495-1.009
Method : C:\LABQUEST\METHODS\1-091895.MET
Sample ID : 947577,5.06G,50U
Acquired : Oct 04, 1995 16:29:01
Printed : Oct 04, 1995 16:55:21
User : MARLON

Channel A Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	4.917	0	0.0000
a,a,a TFT	6.637	4445378	96.2885
TOLUENE	8.670	83096	0.2992
ETHYLBENZENE	12.680	78279	0.3063
M & P XYLENE	13.053	168270	0.5079
O XYLENE	14.208	0	0.0000
BFB	15.740	67338856	92.8950