

Henry S. Trust
EL PASO FIELD SERVICES
PRODUCTION PIT CLOSURE
DEPUTY OIL & GAS INSPECTOR

DEC 21 1998

GUTIERREZ GAS COM B #1
Meter/Line ID - 75127

RECEIVED
JUL 2 1999

SITE DETAILS

Approved
Legals - Twn: 29 Rng: 09 Sec: 04
NMOCD Hazard Ranking: 30
Operator: AMOCO PRODUCTION COMPANY

Unit: B
Land Type: 4 - Fee

OIL CON. DIV
Pit Closure Date: 09/12/94

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	<p>Meter: <u>75127</u> Location: <u>GUTIERREZ GAS com B #1</u></p> <p>Operator #: <u>0203</u> Operator Name: <u>AMOCO</u> P/L District: <u>BLOOMFIELD</u></p> <p>Coordinates: Letter: <u>B</u> Section <u>4</u> Township: <u>29</u> Range: <u>9</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Pit Type: Dehydrator <input checked="" type="checkbox"/> Location Drip: _____ Line Drip: _____ Other: _____</p> <p>Site Assessment Date: <u>6-8-94</u> Area: <u>10</u> Run: <u>43</u></p>
SITE ASSESSMENT	<p>NMOCD Zone: (From NMOCD Maps)</p> <p>Inside <input checked="" type="checkbox"/> (1) Outside <input type="checkbox"/> (2)</p> <p>Land Type: BLM <input type="checkbox"/> (1) State <input type="checkbox"/> (2) Fee <input checked="" type="checkbox"/> (3) Indian _____</p> <p>Depth to Groundwater Less Than 50 Feet (20 points) <input checked="" type="checkbox"/> (1) 50 Ft to 99 Ft (10 points) <input type="checkbox"/> (2) Greater Than 100 Ft (0 points) <input type="checkbox"/> (3)</p> <p>Wellhead Protection Area : Is it less than 1000 ft from wells, springs, or other sources of fresh water extraction? , or ; s it less than 200 ft from a private domestic water source? <input type="checkbox"/> (1) YES (20 points) <input checked="" type="checkbox"/> (2) NO (0 points)</p> <p>Horizontal Distance to Surface Water Body Less Than 200 Ft (20 points) <input type="checkbox"/> (1) 200 Ft to 1000 Ft (10 points) <input checked="" type="checkbox"/> (2) Greater Than 1000 Ft (0 points) <input type="checkbox"/> (3)</p> <p>Name of Surface Water Body <u>SAN JUAN RIVER</u> (Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)</p> <p>Distance to Nearest Ephemeral Stream <input type="checkbox"/> (1) < 100' (Navajo Pits Only) <input type="checkbox"/> (2) > 100'</p> <p>TOTAL HAZARD RANKING SCORE: <u>30</u> POINTS</p>
REMARKS	<p>Remarks : <u>ONLY PIT ON LOCATION. PIT IS DRY. LOCATION IS JUST NORTH OF THE SAN JUAN RIVER OFF OF CR. 4599. REDLINE AND TOPO CONFIRMED LOCATION IS INSIDE WZ.</u></p>

DIC: J. HARRIS

ORIGINAL P. CATION	<div data-bbox="639 276 1117 314" data-label="Section-Header"> <h3 style="text-align: center;">ORIGINAL PIT LOCATION</h3> </div> <div data-bbox="203 338 1572 444" data-label="Text"> <p>Original Pit : a) Degrees from North <u>353°</u> Footage from Wellhead <u>202'</u> b) Length : <u>14'</u> Width : <u>13'</u> Depth : <u>2'</u></p> </div> <div data-bbox="212 491 1567 1085" data-label="Diagram"> </div>
REMARKS	<div data-bbox="203 1155 423 1193" data-label="Section-Header"> <h4>Remarks :</h4> </div> <div data-bbox="203 1202 748 1242" data-label="Text"> <p><u>TOOK PICTURES AT 1:11 P.M.</u></p> </div> <div data-bbox="203 1249 609 1287" data-label="Text"> <p><u>DUMP TRUCK- BOBTAIL</u></p> </div>
	<div data-bbox="207 1776 483 1819" data-label="Text"> <p>Completed By:</p> </div> <div data-bbox="310 1819 846 1940" data-label="Text"> <p><u>Robert Champion</u></p> </div> <div data-bbox="483 1940 662 1983" data-label="Text"> <p>Signature</p> </div> <div data-bbox="1105 1876 1268 1919" data-label="Text"> <p><u>6.8.94</u></p> </div> <div data-bbox="1141 1940 1239 1983" data-label="Text"> <p>Date</p> </div>

PHASE I EXCAVATION

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	<p>Meter: <u>75127</u> Location: <u>Gutierrez GAS com B #1</u></p> <p>Coordinates: Letter: <u>B</u> Section <u>4</u> Township: <u>29</u> Range: <u>9</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>9-12-94</u> Run: <u>10</u> <u>43</u></p>
FIELD OBSERVATIONS	<p>Sample Number(s): <u>229 9/15/94 BR</u> <u>KF-225</u></p> <p>Sample Depth: <u>12'</u> Feet</p> <p>Final PID Reading <u>133</u> PID Reading Depth <u>12'</u> Feet</p> <p>Yes No</p> <p>Groundwater Encountered <input type="checkbox"/> <input checked="" type="checkbox"/> Approximate Depth _____ Feet</p>
CLOSURE	<p>Remediation Method :</p> <p>Excavation <input checked="" type="checkbox"/> Approx. Cubic Yards <u>40</u></p> <p>Onsite Bioremediation <input type="checkbox"/></p> <p>Backfill Pit Without Excavation <input type="checkbox"/></p> <p>Soil Disposition:</p> <p>Envirotech <input checked="" type="checkbox"/> <input type="checkbox"/> Tierra</p> <p>Other Facility <input type="checkbox"/> Name: _____</p> <p>Pit Closure Date: <u>9-12-94</u> Pit Closed By: <u>B.EI</u></p>
REMARKS	<p>Remarks : <u>Some Line markings. Started Remediating To 12'</u> <u>Soil Light gray with a smell. At 12' Soil still the same. Pit</u> <u>closed.</u></p>
	<p>Signature of Specialist: <u>Kelly Padilla</u></p>



SPLIT

FIELD SERVICES LABORATORY
ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP 229	946108
MTR CODE SITE NAME:	75127	N/A
SAMPLE DATE TIME (Hrs):	9-12-94	0932
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	9-15-94	9-15-94
DATE OF BTEX EXT. ANAL.:	9/15/94	9/16/94
TYPE DESCRIPTION:	VC	Brown fine sand

REMARKS: split

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS				ATI Results
			DF	Q	M(g)	V(ml)	
BENZENE	1.55	MG/KG					0.50
TOLUENE	85.8	MG/KG					61
ETHYL BENZENE	11.9	MG/KG					9.8
TOTAL XYLENES	190	MG/KG					140
TOTAL BTEX	289	MG/KG	0.0357		0.56	20	211
TPH (418.1)	3570	MG/KG			2.06	28	2100
HEADSPACE PID	133	PPM					Surrogate %
							63
PERCENT SOLIDS	90.1	%					Dilution Factor
							10

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

The Surrogate Recovery was at 93.9% for this samp All QA/QC was acceptable.

Narrative:

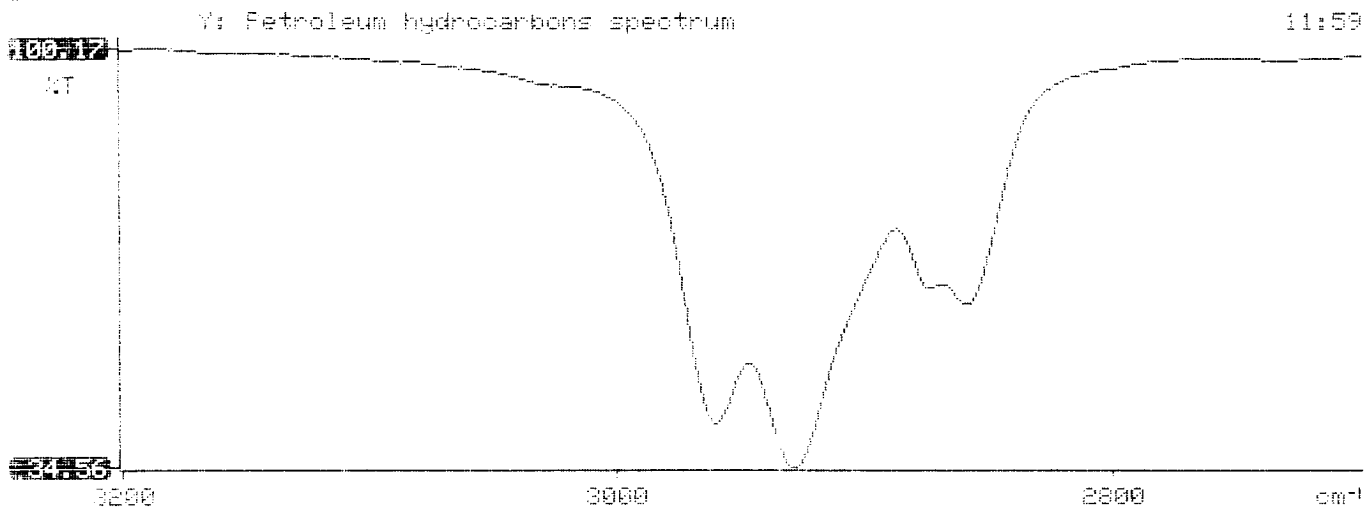
ATI Results attached. Surrogate Recovery is outside ATI ac limits

DF = Dilution Factor Used

Approved By: [Signature]Date: 11/3/94

* Test Method for *
* Oil and Grease and Petroleum Hydrocarbons *
* in Water and Soil *
* Perkin-Elmer Model 1600 FT-IR *
* Analysis Report *

94/09/15 11:59
Sample identification
946108
Initial mass of sample, g
2.060
Volume of sample after extraction, ml
28.000
Petroleum hydrocarbons, ppm
3569.077
Net absorbance of hydrocarbons (2930 cm-1)
0.459



EL PASO NATURAL GAS

EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM\946108B
 Method : C:\LABQUEST\METHODS\SOILS.MET
 Sample ID : 946108 1/50 0.56G/20ML
 Acquired : Sep 16, 1994 14:50:38
 Printed : Sep 17, 1994 14:21:09
 User : STACY

Channel A Results

COMPONENT	RET TIME	AREA	AVG RF	CONC (ug/L)
BENZENE	10.667	119987	127951.77344	43.3836 0.87
a,a,a TFT	13.017	1328496	7303.77002	9082.7656
TOLUENE	15.567	6679552	128167.09375	2404.0413 42.1
ETHYLBENZENE	19.633	852178	116407.63281	334.0096 6.68
M & P XYLENE	19.817	12364684	167589.01563	4423.1416 22.5
O XYLENE	20.350	2267880	115447.89063	904.5807 18.1
BFB	20.900	17294582	169985.04688	4694.9917 93.9

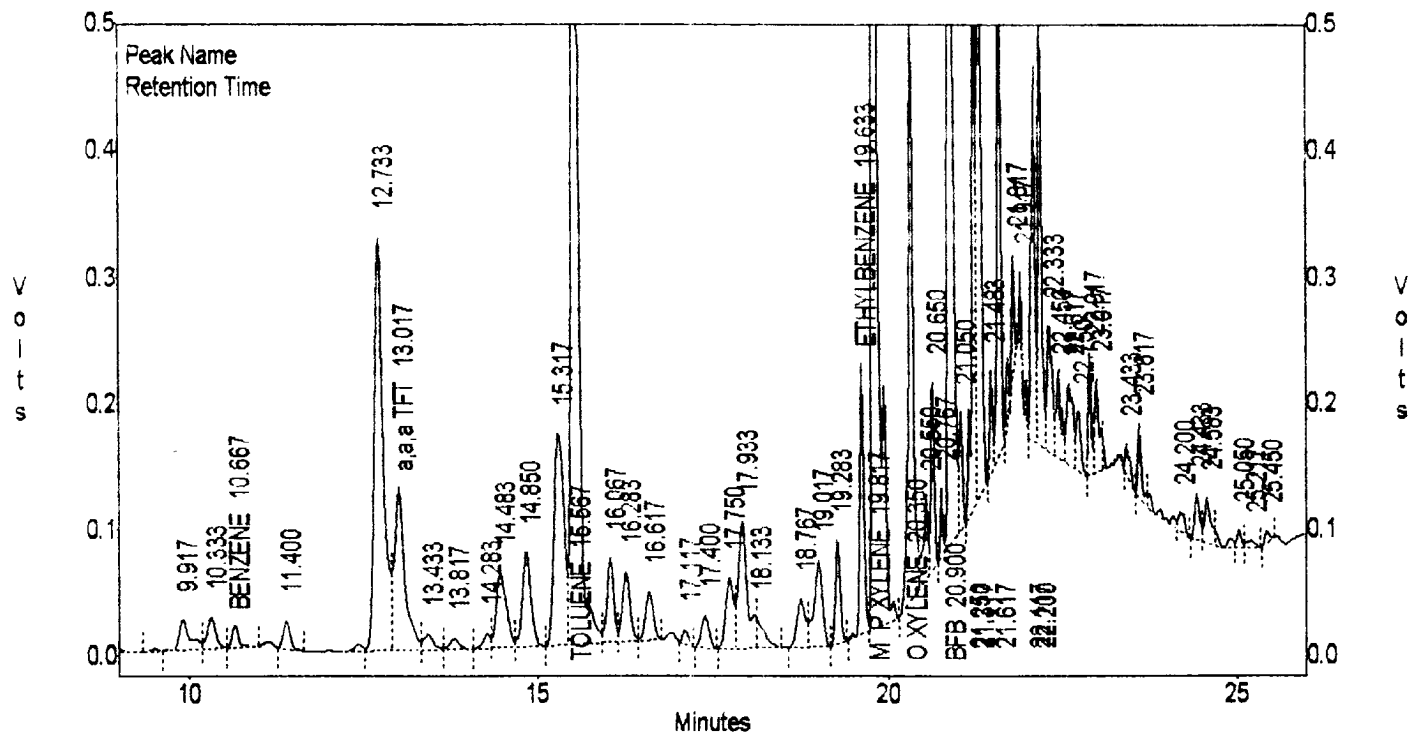
Totals :

40907360

21886.9141

Justen
9/17/94

C:\LABQUEST\CHROM\946108B - Channel A



EL PASO NATURAL GAS

EPA METHOD 8020 - BTEX SOILS

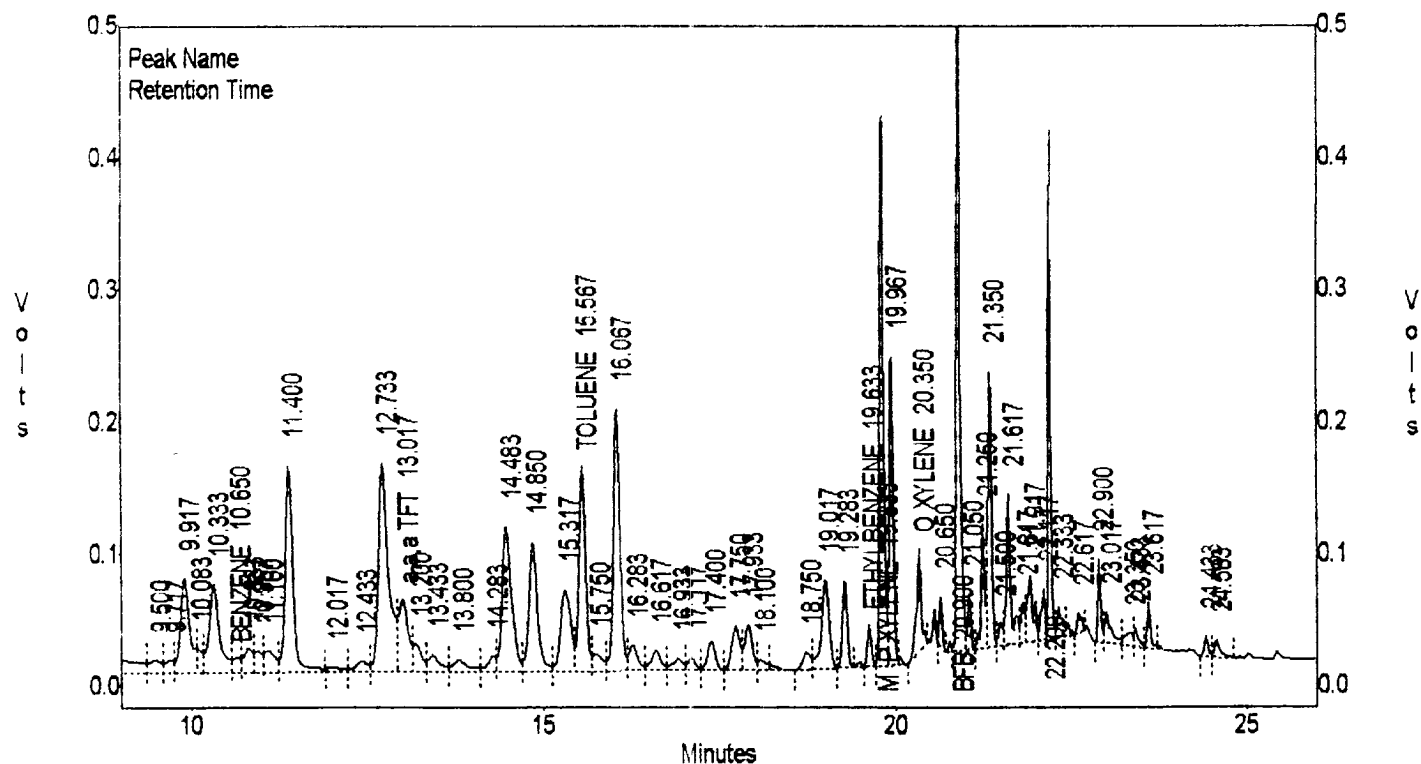
File : C:\LABQUEST\CHROM\946108B
 Method : C:\LABQUEST\METHODS\SOILS.MET
 Sample ID : 946108 1/50 0.56G/20ML
 Acquired : Sep 16, 1994 14:50:38
 Printed : Sep 17, 1994 14:21:16
 User : STACY

Channel B Results

COMPONENT	RET TIME	AREA	AVG RF	CONC (ug/L)
BENZENE	10.650	86266	17134.41016	224.1542
a,a,a TFT	13.017	517678	1612.83142	16047.4307
TOLUENE	15.567	1020159	16955.15430	2674.4585
ETHYLBENZENE	19.633	130409	15800.91699	360.8156
M & P XYLENE	19.833	1593095	16103.94629	4408.3140
O XYLENE	20.350	348879	15663.30664	977.3225
BFB	20.900	2083771	18546.16797	5766.7246

Totals :
 5780260 30459.2207

C:\LABQUEST\CHROM\946108B - Channel B





Analytical **Technologies**, Inc.

2709-D Pan American Freeway, NE Albuquerque, NM 87107
Phone (505) 344-3777 FAX (505) 344-4413

ATI I.D. **409367**

October 27, 1994

El Paso Natural Gas Co.
P.O. Box 4990
Farmington, NM 87499

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

On **09/16/94**, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **non-aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

This report is being reissued to correct surrogate recovery notations on samples 946108 and 946126.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Letitia Krakowski, Ph.D.
Project Manager

H. Mitchell Rubenstein, Ph.D..
Laboratory Manager

MR:jt

Enclosure





Analytical Technologies, Inc.

GENERAL CHEMISTRY RESULTS

CLIENT	: EL PASO NATURAL GAS CO.	ATI I.D.	: 409367
PROJECT #	: 24324	DATE RECEIVED	: 09/16/94
PROJECT NAME	: PIT CLOSURE	DATE ANALYZED	: 09/20/94

PARAMETER	UNITS	01	12
PETROLEUM HYDROCARBONS, IR	MG/KG	2100	34000

GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)
 CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 409367
 PROJECT # : 24324
 PROJECT NAME : PIT CLOSURE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	946108	NON-AQ	09/12/94	09/19/94	09/19/94	10
02	946109	NON-AQ	09/12/94	09/19/94	09/19/94	10
03	946110	NON-AQ	09/13/94	09/19/94	09/19/94	1
PARAMETER			UNITS	01	02	03
BENZENE			MG/KG	0.50	<0.25	<0.025
TOLUENE			MG/KG	61	<0.25	<0.025
ETHYLBENZENE			MG/KG	9.8	2.5	<0.025
TOTAL XYLENES			MG/KG	140	100	<0.025

SURROGATE:

BROMOFLUOROBENZENE (%) 63* 351* 96

*OUTSIDE ATI QUALITY CONTROL LIMITS DUE TO MATRIX INTERFERENCE

PHASE II

RECORD OF SUBSURFACE EXPLORATION

PHILIP ENVIRONMENTAL

4000 Monroe Road

Farmington, New Mexico 87401

(505) 326-2262 FAX (505) 326-2388

Borehole # BH-1

Well #

Page 1 of 1

Project Name

EPN6 PITS

Project Number

11957

Phase

4DD2

Project Location

Gutiérrez B1

75127

Elevation

Borehole Location

GWL Depth

Logged By

CM Chance

Drilled By

M. Donohue

Date/Time Started

5/15/95 - 1245

Date/Time Completed

5/15/95 1240

Well Logged By

CM Chance

Personnel On-Site

M. Donohue, K. Padilla

Contractors On-Site

Client Personnel On-Site

Drilling Method

4 1/4 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: NDU			Drilling Conditions & Blow Counts	
							BZ	BH	S		
0				Backfill							
5											
10	1	12-14	5"	lt Br silty SAND, VF-fine sand, sl moist, loose						b	
15	2	17-19	5"	Greenish gray Clay, VF sand, sl moist, soft							
20											
25	3	24-26	6"	lt Br-BK silty sand, VF sand, sl moist, loose							
30	4	27-29		lt br Clay, denser, stiff, Br silty Sand, VF-fine sand, sl moist							
35				TDB 29'							
40											

Comments:

CMCS
Sampled at 27-29'. Shoe was slightly saturated. Well backfilled w 1' (1 bag) of bentonite (hydrated w 5 gal potable water) & grouted to surface.

Geologist Signature



Phase II

FIELD SERVICES LABORATORY
ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	cmc 5	946816
MTR CODE SITE NAME:	75127	N/A
SAMPLE DATE TIME (Hrs):	5-15-95	1328
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	5-16-95	5-16-95
DATE OF BTEX EXT. ANAL.:	5/16/95	5/17/95
TYPE DESCRIPTION:	G	Dark Brown clay

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.50	MG/KG	0.2000		5.00	20
TOLUENE	<0.50	MG/KG	I		I	I
ETHYL BENZENE	<0.50	MG/KG	I		I	I
TOTAL XYLENES	<1.50	MG/KG	I		I	I
TOTAL BTEX	<3.00	MG/KG				
TPH (418.1)	14.1 44 vol 5/16/95	MG/KG			2.04	28
HEADSPACE PID	13	PPM				
PERCENT SOLIDS	75.1	%				

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

The Surrogate Recovery was at 95.3 % for this sample All QA/QC was acceptable.
Narrative:

DF = Dilution Factor Used

Approved By:

John Lach

Date:

5/26/95

```

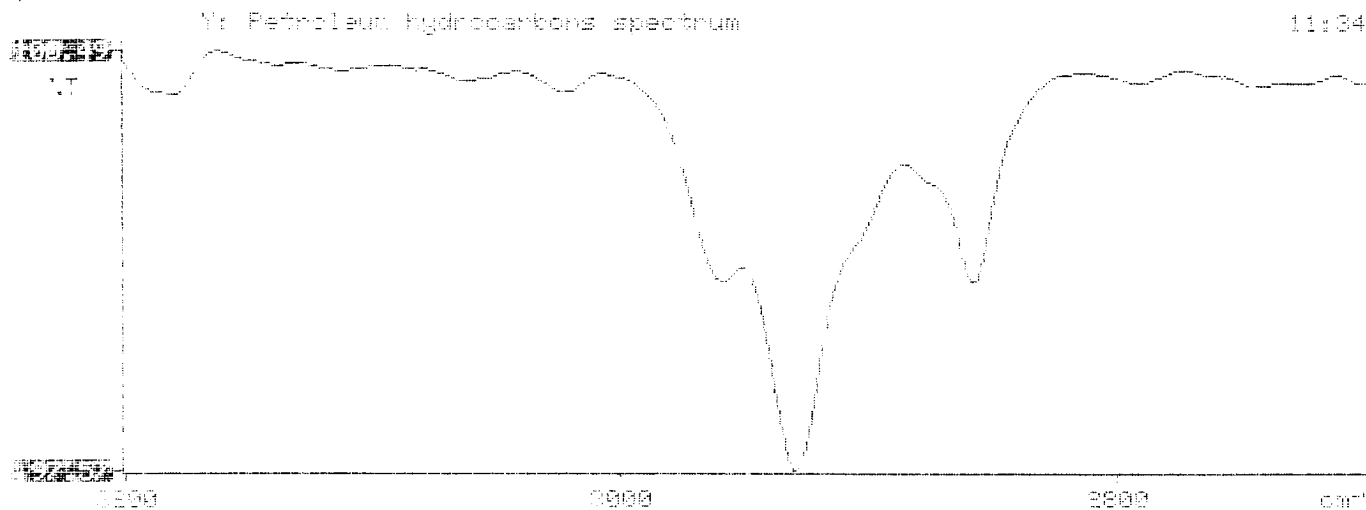
*****
*                                     *
*      Fast Method for              *
*      Oil and Grease and Petroleum Hydrocarbons      *
*      in Water and Soil            *
*                                     *
*      Perkin-Elmer Model 1600 FT-IR      *
*      Analysis Report                  *
*      *****                        *

```

```

1  27700.12  11:34
2
3  Sample identification
4  996816
5
6  Initial mass of sample, g
7  2.040
8
9  Volume of sample after extraction, ml
10 22.000
11
12 Petroleum hydrocarbons, ppm
13 14.053
14
15 Net absorbance of hydrocarbons (2930 cm-1)
16 0.012
17
18
19

```



ILLEGIBLE

BTEX SOIL SAMPLE WORKSHEET

File	:	946816A	Date Printed	:	5/18/95
Soil Mass (g)	:	5	Multiplier (L/g)	:	0.00100
Extraction vol. (mL)	:	20	DF (Analytical)	:	200
Shot Volume (uL)	:	100	DF (Report)	:	0.20000

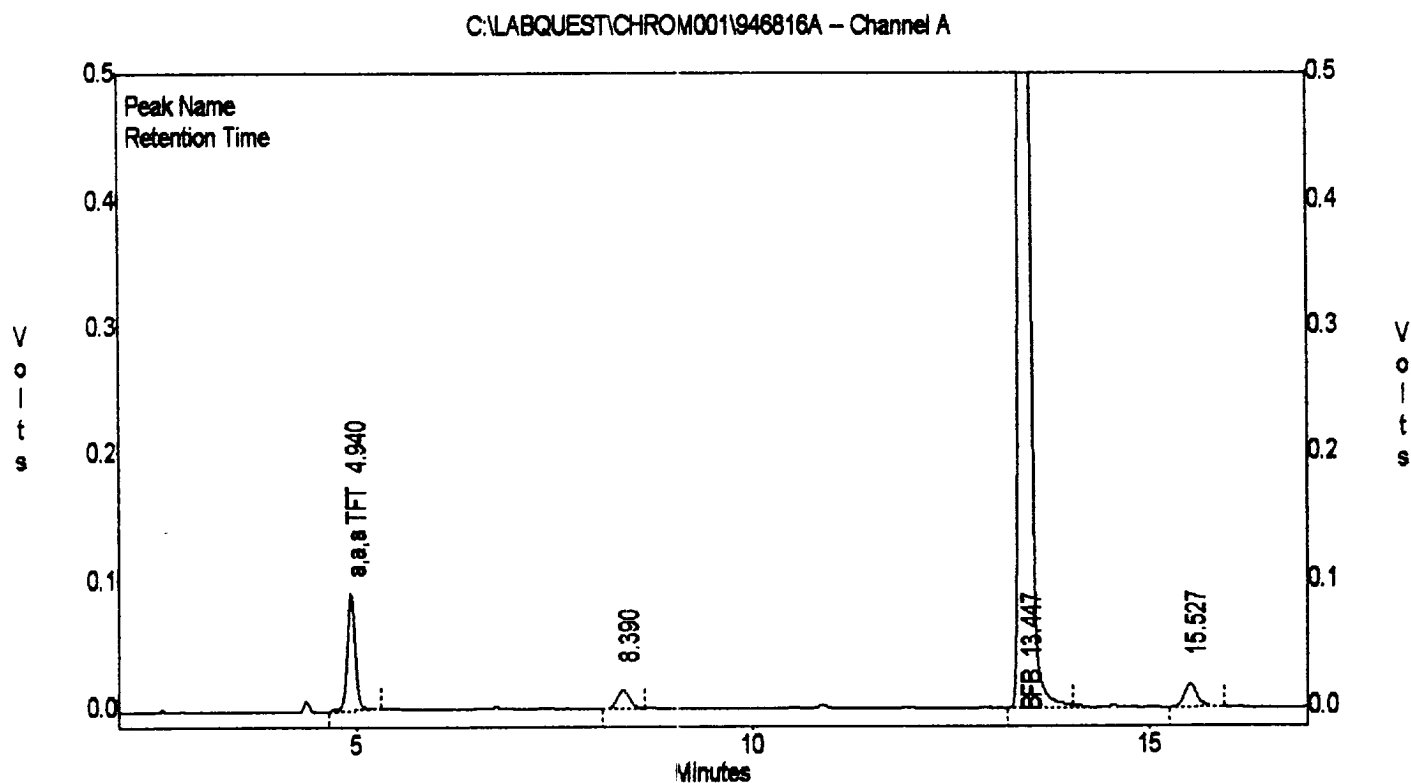
				Det. Limit
Benzene (ug/L)	:	0.00	Benzene (mg/Kg):	0.00 0.500
Toluene (ug/L)	:	0.00	Toluene (mg/Kg):	0.00 0.500
Ethylbenzene (ug/L)	:	0.00	Ethylbenzene (mg/Kg):	0.00 0.500
p & m-xylene (ug/L)	:	0.00	p & m-xylene (mg/Kg):	0.00 1.000
o-xylene (ug/L)	:	0.00	o-xylene (mg/Kg):	0.00 0.500
			Total xylenes (mg/Kg):	0.00 1.500
			Total BTEX (mg/Kg):	0.00

EL PASO NATURAL GAS**EPA METHOD 8020 - BTEX SOILS**

File : C:\LABQUEST\CHROM001\946816A
Method : C:\LABQUEST\METHODS\9001.MET
Sample ID : 946816,5.00/100uL
Acquired : May 17, 1995 22:45:43
Printed : May 17, 1995 23:11:57
User : Tony

Channel A Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	3.467	0	0.0000
a,a,a TFT	4.940	659643	88.2282
TOLUENE	6.803	0	0.0000
ETHYLBENZENE	10.550	0	0.0000
M & P XYLENE	10.903	0	0.0000
O XYLENE	11.953	0	0.0000
BFB	13.447	14241036	95.3145



EL PASO NATURAL GAS

EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM001\946816A
 Method : C:\LABQUEST\METHODS\9001.MET
 Sample ID : 946816,5.00/100uL
 Acquired : May 17, 1995 22:45:43
 Printed : May 17, 1995 23:12:01
 User : Tony

Channel B Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	3.467	0	0.0000
a,a,a TFT	4.940	753034	89.5433
TOLUENE	6.803	0	0.0000
ETHYLBENZENE	10.550	0	0.0000
M & P XYLENE	10.903	0	0.0000
O XYLENE	11.957	0	0.0000
BFB	13.447	4339318	90.8925

