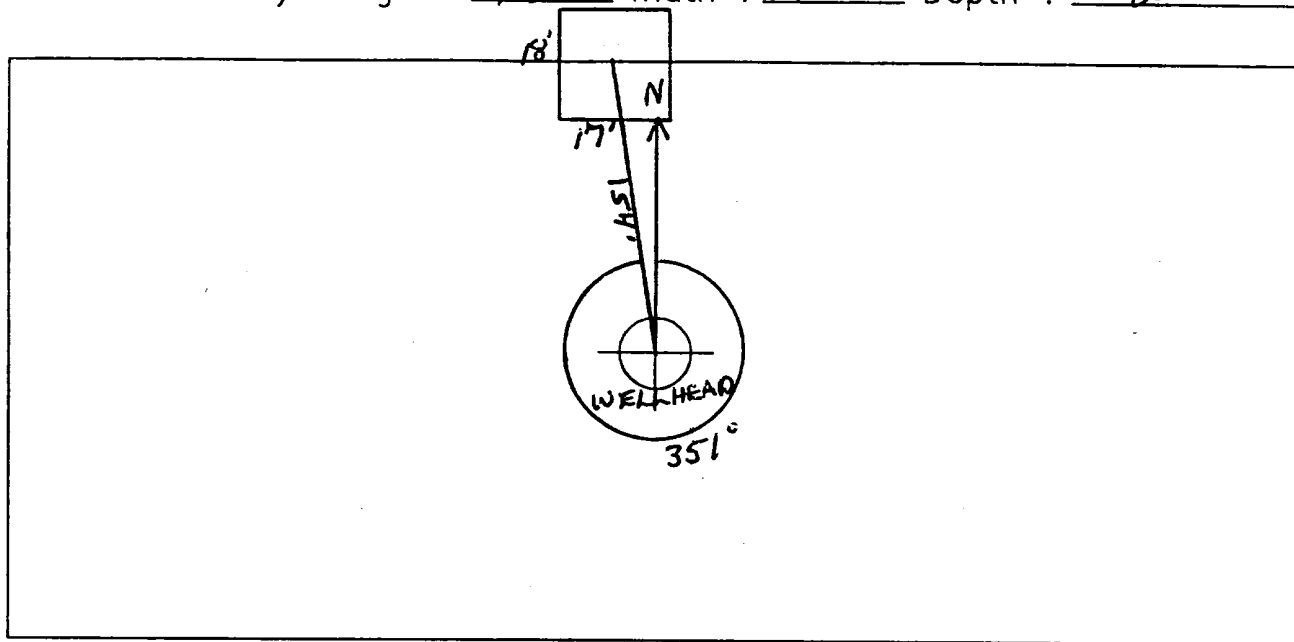


ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 351° Footage from Wellhead 154'b) Length : 18' Width : 17' Depth : 2'

REMARKS

Remarks :

Photos: 1007

Completed By:

James J. Farrow

Signature

3/8/95

Date

PHASE I EXCAVATION

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: <u>73216</u> Location: <u>SAN JUAN 28-6 # 100</u> Coordinates: Letter: <u>N</u> Section <u>13</u> Township: <u>28</u> Range: <u>06</u> Or Latitude _____ Longitude _____ Date Started : <u>3-27-95</u> Run: <u>10</u> <u>91</u>
FIELD OBSERVATIONS	Sample Number(s): <u>KP 470</u> Sample Depth: <u>12'</u> Feet Final PID Reading <u>182</u> PID Reading Depth <u>12'</u> Feet Yes No Groundwater Encountered ☐ ☒ Approximate Depth _____ Feet
CLOSURE	Remediation Method : Excavation ☐ Onsite Bioremediation ☐ Backfill Pit Without Excavation ☒ Approx. Cubic Yards _____ Soil Disposition: Envirotech ☐ Other Facility ☐ Tierra ☐ Name: _____ Pit Closure Date: <u>3-27-95</u> Pit Closed By: <u>B.E.I.</u>
REMARKS	Remarks : <u>Some line markers dug A test hole to 12'.</u> <u>At 12' soil dark gray with a H. color</u>
	Signature of Specialist: <u>Kelly Padilla</u>



FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	KP 470	946764
MTR CODE SITE NAME:	73216	N/A
SAMPLE DATE TIME (Hrs):	3-27-95	1630
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	3/28/95	3/28/95
DATE OF BTEX EXT. ANAL.:	4/11/95	4/12/95
TYPE DESCRIPTION:	VG	Dark Brown clay

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.51	MG/KG	0.20243		4.94	20
TOLUENE	1.63	MG/KG				
ETHYL BENZENE	2.85	MG/KG				
TOTAL XYLENES	38.2	MG/KG				
TOTAL BTEX	42.6	MG/KG				
TPH (418.1)	3650	MG/KG			2.00	28
HEADSPACE PID	182	PPM				
PERCENT SOLIDS	86.0	%				

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

The Surrogate Recovery was at 94.4 % for this sample All QA/QC was acceptable.
Narrative:

DF = Dilution Factor Used

Approved By:

Date:

4/18/95

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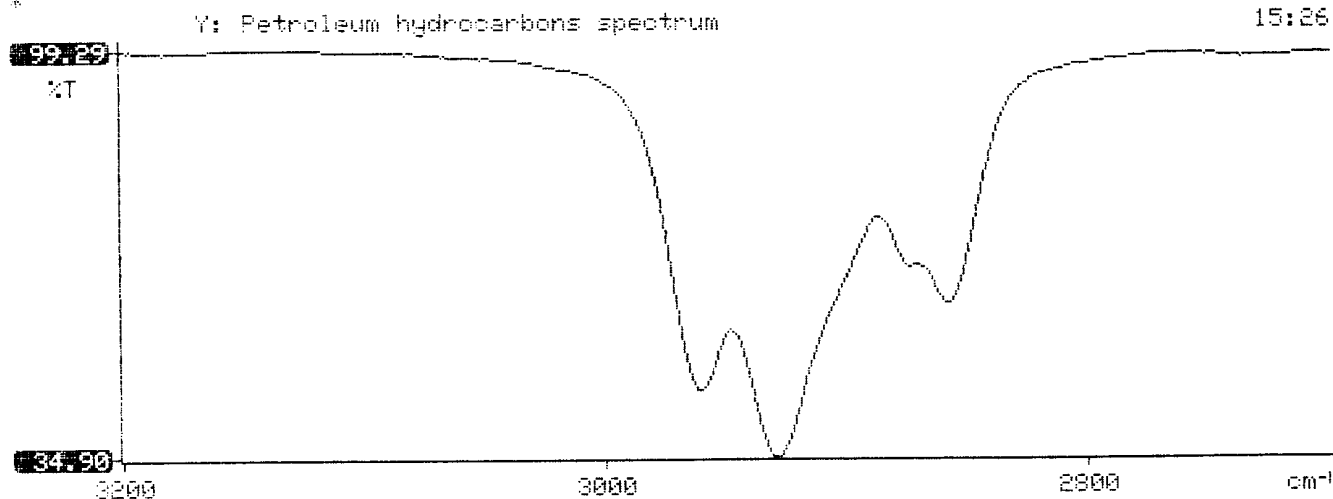
*****
*                               *
*       Test Method for         *
*   Oil and Grease and Petroleum Hydrocarbons   *
*       in Water and Soil       *
*                               *
*   Perkin-Elmer Model 1600 FT-IR               *
*   Analysis Report                       *
*****

```

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* 95/03/28 15:25
*
* Sample identification
* 946764
*
* Initial mass of sample, g
* 2.000
*
* Volume of sample after extraction, ml
* 28.000
*
* Petroleum hydrocarbons, ppm
* 3653.678
* Net absorbance of hydrocarbons (2930 cm-1)
* 0.452
*
*
*

```



BTEX SOIL SAMPLE WORKSHEET

File : 946764A
Soil Mass (g) : 4.94
Extraction vol. (mL) : 20
Shot Volume (uL) : 100

Date Printed : 4/13/95
Multiplier (L/g) : 0.00101
DF (Analytical) : 200
DF (Report) : 0.20243

				Det. Limit
Benzene (ug/L)	: 0.00	Benzene (mg/Kg):	0.000	0.506
Toluene (ug/L)	: 8.04	Toluene (mg/Kg):	1.628	0.506
Ethylbenzene (ug/L)	: 14.08	Ethylbenzene (mg/Kg):	2.850	0.506
p & m-xylene (ug/L)	: 157.47	p & m-xylene (mg/Kg):	31.877	1.012
o-xylene (ug/L)	: 31.07	o-xylene (mg/Kg):	6.289	0.506
		Total xylenes (mg/Kg):	38.166	1.518
		Total BTEX (mg/Kg):	42.644	

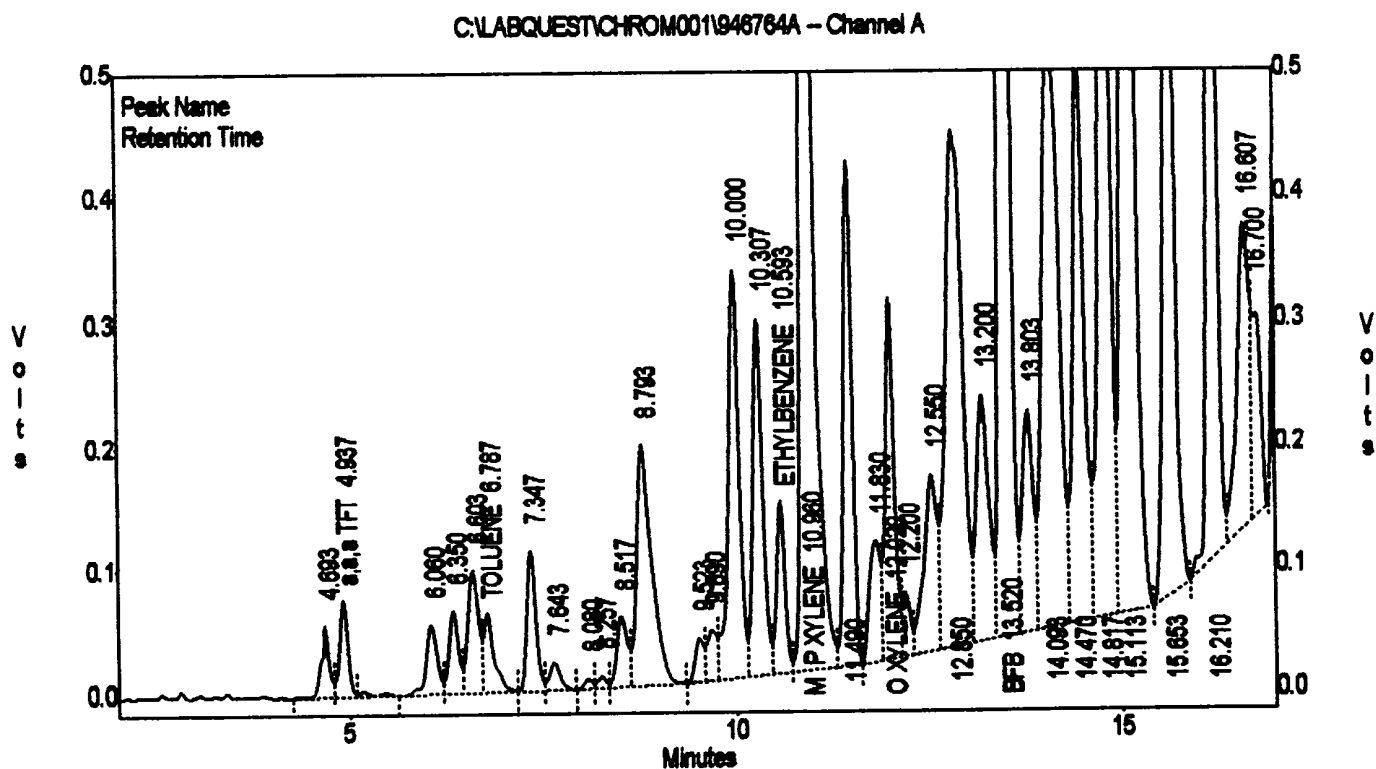
EL PASO NATURAL GAS

EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM001\946764A
 Method : C:\LABQUEST\METHODS\9001.MET
 Sample ID : 946764,4.94/100uL
 Acquired : Apr 12, 1995 21:39:30
 Printed : Apr 12, 1995 22:05:47
 User : Tony

Channel A Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	3.437	0	0.0000
a,a,a TFT	4.937	569679	100.0000 119
TOLUENE	6.787	585855	8.0437
ETHYLBENZENE	10.593	1057344	14.0809
M & P XYLENE	10.960	15603798	157.4730
O XYLENE	12.020	2434389	31.0665
BFB	13.520	22085492	100.0000 94.4



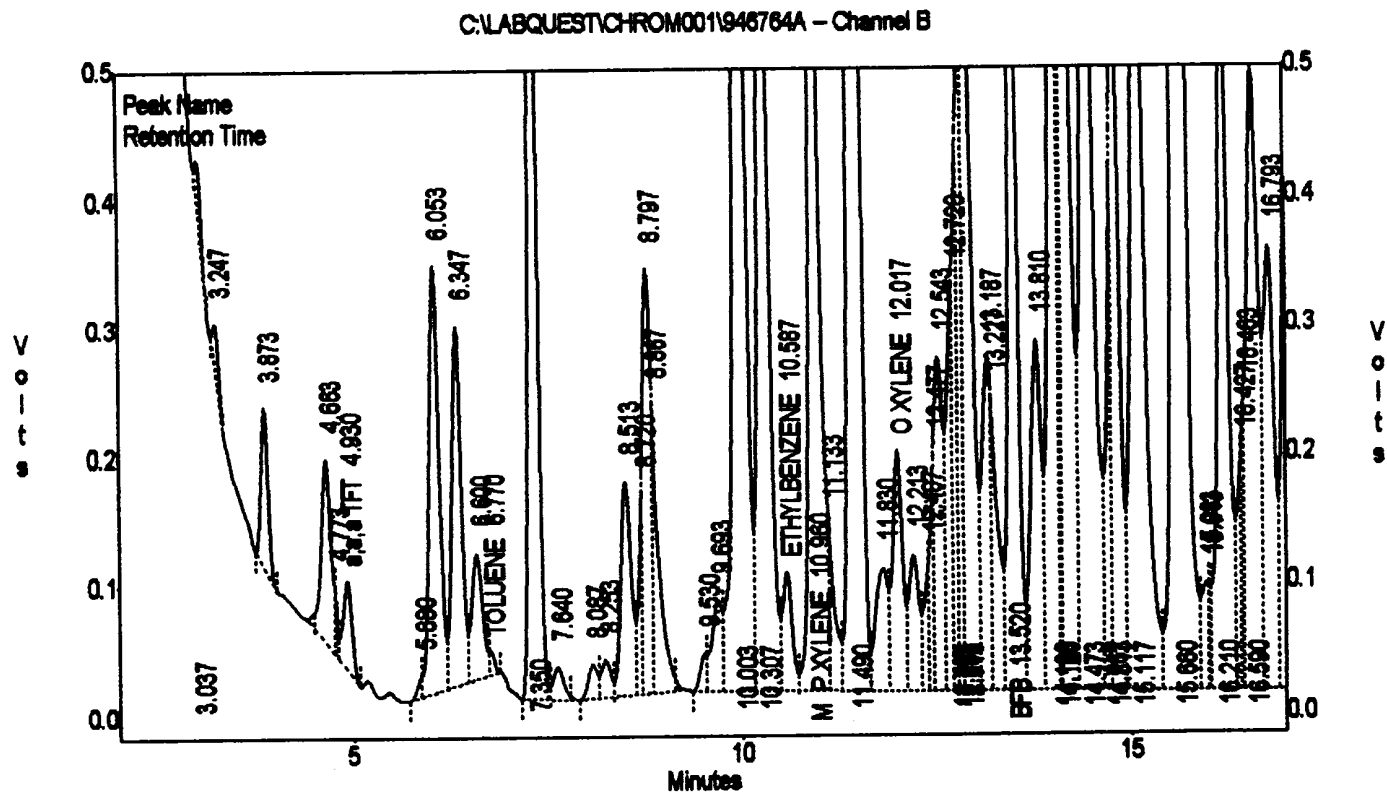
EL PASO NATURAL GAS

EPA METHOD 8020 - BTEX SOILS

File : C:\LABQUEST\CHROM001\946764A
 Method : C:\LABQUEST\METHODS\9001.MET
 Sample ID : 946764,4.94/100uL
 Acquired : Apr 12, 1995 21:39:30
 Printed : Apr 12, 1995 22:05:52
 User : Tony

Channel B Results

COMPONENT	RET TIME	AREA	CONC (ug/L)
BENZENE	3.390	0	0.0000
a,a,a TFT	4.930	530994	100.0000
TOLUENE	6.770	82120	6.3304
ETHYLBENZENE	10.587	768980	22.1498
M & P XYLENE	10.960	7681294	184.7596
O XYLENE	12.017	1615498	41.9417
BFB	13.520	6227369	100.0000



PHASE II

RECORD OF SUBSURFACE EXPLORATION

Burlington Environmental Inc.
4000 Monroe Road
Farmington, New Mexico 87401
(505) 326-2262 FAX (505) 326-2388

Borehole # 3H1
Well # _____
Page 1 of 1

Project Name EPNG PITS
Project Number 14509 Phase 6000.77
Project Location San Juan 28th & 12th 732

Elevation _____
Borehole Location _____
GWL Depth _____
Logged By John LaBarbera
Drilled By Kelly Padilla
Date/Time Started 7/13/95 - 0800
Date/Time Completed 7/13/95 - 1700
100

Well Logged By John LaBarbera
Personnel On-Site K. Padilla, D. Charley, F. Rivera, C. Chu
Contractors On-Site _____
Client Personnel On-Site _____

Drilling Method HSA 1.25" ID
Air Monitoring Method PID & COT

Depth (Feet)	Sample Number	Sample Interval	Sample Type & Recovery (inches)	Sample Description Classification System: USCS	USCS Symbol	Depth Lithology Change (feet)	Air Monitoring Units: <u>85</u> BZ BH S			Drilling Conditions & Blow Counts
0				Fill						
5										At 5' - Black, soft CLAY, 32' color PID = 196 10 15'
10										
15	1	15-17	17	lt. Gray, soft, CLAY, tr. fine sand, medium plasticity, damp	CH				<u>325</u> <u>297</u>	28%
20	2	20-22	14	DK GRX, med stiff CLAY, little v. fine sand, med. plastic, sl. damp	CH		0	0	<u>333</u> <u>29</u>	28%
25	3	25-27	13	GRX, v. stiff, CLAY, tr. silt, med plastic, dry	CH		-5	12	<u>141</u> <u>326</u>	28%
30	4	30-32	0	2 1/2 recovery			0	12	<u>4/2</u>	28%
35	5	35-37.25	2	lt. GR Brn, v. fine, Sand Stone	X		14	9	9	29%
40				TSB @ 33.75'						

Comments: Coordinates: Letter M - 513-T 28 - A 24
IFL 1 (33.5-33.75') sent to lab for BTEX / TPH analysis
Insufficient recovery for QA sample and baseflow
Geologist Signature John LaBarbera



FIELD SERVICES LABORATORY
ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

Phase II Drilling
San Juan 28-6
#180

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JFL1 946991 RB 7/17/95	946991
MTR CODE SITE NAME:	73216	N/A
SAMPLE DATE TIME (Hrs):	7/13/95	09:13
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL.:	7/14/95	7/14/95
DATE OF BTEX EXT. ANAL.:	7/19/95	7/20/95
TYPE DESCRIPTION:	VG	Light Brown sand & clay

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	20.025	MG/KG	1			
TOLUENE	20.025	MG/KG	1			
ETHYL BENZENE	20.025	MG/KG	1			
TOTAL XYLENES	20.025	MG/KG	1			
TOTAL BTEX	20.10	MG/KG				
TPH (418.1)	30.8	MG/KG			2.00	2.00
HEADSPACE PID	RB 7/17/95 31 9	PPM				
PERCENT SOLIDS	93.7	%				

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

The Surrogate Recovery was at 105 % for this sample All QA/QC was acceptable.
Narrative:

ATI Results attached.

DF = Dilution Factor Used

Date: 8/3/95

```

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

```

95/07/14 13:52

* Sample identification

946991

* Initial mass of sample, g

2.000

* Volume of sample after extraction, ml

28.000

* Petroleum hydrocarbons, ppm

30.838

* Net absorbance of hydrocarbons (2930 cm⁻¹)

0.014

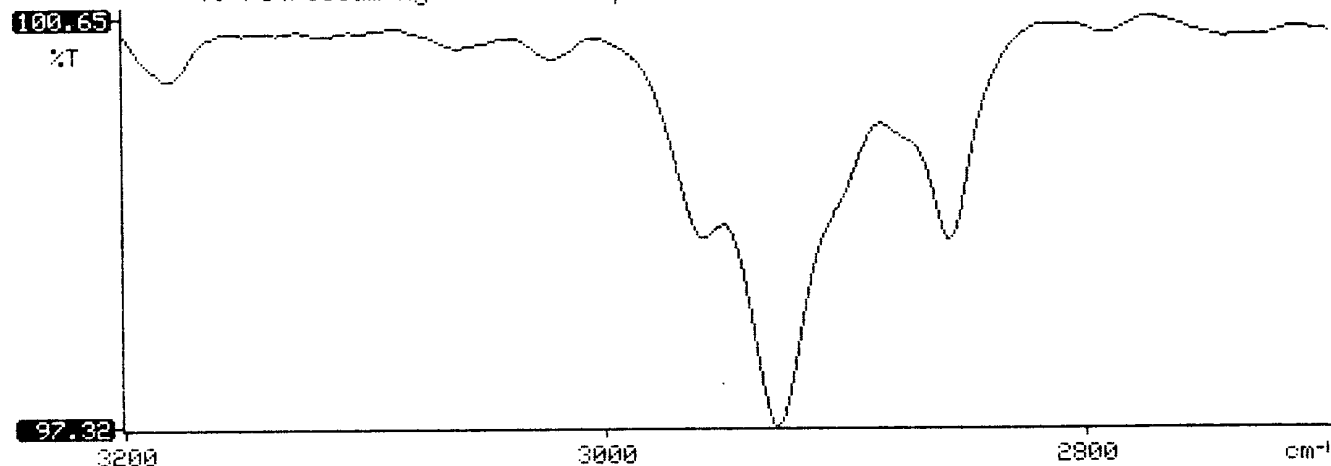
*

*

*

Y: Petroleum hydrocarbons spectrum

13:52





Analytical**Technologies**, Inc.

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

ATI I.D. 507358

July 25, 1995

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

Project Name/Number: PIT CLOSURE/PHASE II DRIL M/W 24324

Attention: John Lambdin

On 07/19/95, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **aqueous and 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.

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

Kimberly D. McNeill
Project Manager

MR:jt

Enclosure

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager



GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)
 CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 507358
 PROJECT # : 24324
 PROJECT NAME : PIT CLOSURE/PHASE II DRIL

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	946991	NON-AQ	07/13/95	07/19/95	07/20/95	1
02	946992	NON-AQ	07/13/95	07/19/95	07/20/95	1
03	946993	NON-AQ	07/13/95	07/19/95	07/21/95	50
PARAMETER			UNITS	01	02	03
BENZENE			MG/KG	<0.025	<0.025	1.9
TOLUENE			MG/KG	<0.025	<0.025	67
ETHYLBENZENE			MG/KG	<0.025	<0.025	13
TOTAL XYLENES			MG/KG	<0.025	0.42	190

SURROGATE:

BROMOFLUOROBENZENE (%) 105 123* **NA

*OUTSIDE ATI QUALITY CONTROL LIMITS DUE TO MATRIX INTERFERENCE
 **SURROGATE RECOVERY NOT OBTAINABLE DUE TO SAMPLE DILUTION