District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

RISK Extent of Plume not defined

Submit 1 copy to appropriate District Office and 1 copy to the Santa Fe Office

(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

Operator: Conoco Telephone

Address: 30-039-07304

Facility Or: San Juan 28-7 Unit 45, Meter 71519
Well Name

DEC 2002
RECEIVED
OIL CONS. DIV.
DIST. 3

Location: Unit or Qtr/Qtr Sec L Sec 27 T 28 R 7 County Rio Arriba

Pit Type: Separator _____ Dehydrator X Other _____

Land Type: BLM X, State _____, Fee _____ Other _____

Pit Location: Pit dimensions: length 50', width 24', depth 4'
(Attach diagram)

Reference: wellhead X, other _____

Footage from reference: 58'

Direction from reference: 265 Degrees X East North _____ of _____ West South _____

Depth To Ground Water (Vertical distance from contaminants to seasonal high water elevation of ground water.)	Less than 50 feet	(20 points)
	50 feet to 99 feet	(10 points)
	Greater than 100 feet	(0 points) 20
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources.)	Yes	(20 points)
	No	(0 points) 0
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches.)	Less than 200 feet	(20 points)
	200 feet to 1000 feet	(10 points)
	Greater than 1000 feet	(0 points) 0

RANKING SCORE (TOTAL POINTS): 20

Date Remediation Started: 06/14/94 Date completed: 06/15/94

Remediation Method: (Check all appropriate sections.) Excavation X Approx. cubic yards 200

Landfarmed _____ Insitu Bioremediation _____

Other _____

Remediation Location: (i.e. landfarmed onsite, name and location of offsite facility) Onsite _____ Offsite Tierra

General Description of Remedial Action: Started remediation to 12', had to dump one load of backfill to solidify. Could not complete, will finish tomorrow. Completed digging pit, took VC sample, meter reading was 552 ppm at 83 degrees. Closed pit.

Ground Water Encountered: No X Yes _____ Depth _____

Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location Four walls and center of pit composite

Sample depth 12'

Sample Date 06/15/94 Sample time 10:30

Sample Results

Benzene(ppm) 0.52

Total BTEX(ppm) 99

Field headspace(ppm) 552

TPH 21100

Ground Water Sample: Yes _____ No X (If yes, attach sample results)

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Date 1/8/03

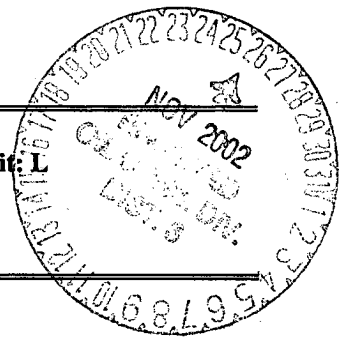
Signature Scott T. Pope

Printed Name and Title Scott T. Pope Senior ENV. Scientist

elpaso

PIT CLOSURE REQUEST

San Juan 28-7 Unit 45
Meter/Line ID 71519



SITE DETAILS

Legals - Twn: 28N	**Rng: 7W**	**Sec: 27**	**Unit: L**
NMOCD Hazard Ranking: 20		**Land Type: BLM**	
Operator: Conoco		**Pit Closure Date: 6/15/94**	

RATIONALE FOR RISK-BASED CLOSURE

The pit noted above was assessed and ranked according to the criteria in the New Mexico Oil Conservation Division's (NMOCD) Unlined Surface Impoundment Closure Guidelines.

A test pit was excavated to 12 feet (ft) below ground surface (bgs) where a soil sample was collected for field headspace analysis and laboratory analysis for TPH and BTEX. Groundwater was not encountered in the test pit. Headspace analysis indicated an organic vapor content of 552 ppm; laboratory analysis indicated a benzene concentration of 0.52 mg/kg, a total BTEX concentration of 99 mg/kg, and a TPH concentration 21,100 mg/kg. The headspace analysis, BTEX, and TPH measurements exceeded recommended remediation levels for the Hazard Ranking Score of 20.

Approximately 200 cubic yards of soil were excavated and hauled to Tierra, a commercial landfarm, for treatment and disposal. The pit was backfilled with clean soil and graded in a manner to direct surface runoff away from the pit area.

A Phase II boring was completed to 30 ft bgs. No groundwater was encountered in the soil boring. One laboratory sample was collected at 28-30 ft bgs. Headspace analysis indicated an organic vapor content of 1.5 ppm; laboratory analysis indicated a benzene concentration of <0.5 mg/kg, a total BTEX concentration of <3 mg/kg, and a TPH concentration of 332 mg/kg. The benzene and BTEX concentrations were below recommended remediation levels for the Hazard Ranking Score; the TPH concentration was above this level.

No Phase III activities were conducted.

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

- The primary source, discharge to the pit, has been removed for over eight years.
- A majority of the impacted soils have been removed. Residual hydrocarbons in the soil will likely degrade by natural attenuation with minimal risk to human health and the environment.
- The test pit was backfilled and the former pit area graded to direct surface runoff away from the former pit.
- Backfilling the pit with clean soil eliminated the potential for direct contact with hazardous constituents by livestock or the public; i.e., direct contact exposure pathways are incomplete.
- There are no water supply wells or other sources of fresh water extraction within 1,000 feet of the site.

- Groundwater was not encountered in the soil boring to 30 ft bgs.
- Benzene and BTEX were non-detect at the base of the Phase II boring.
- The TPH concentrations at the bottom of the Phase II boring are approximately 2 percent of the concentration at 12 ft bgs indicating that residual hydrocarbons are degrading by natural attenuation with minimal risk to the environment.

ATTACHMENTS

Field Pit Assessment Form
Revised Field Pit Assessment Form
Field Pit Remediation/Closure Form
Phase II Soil Boring Log
Laboratory Analytical Results

FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 71519 Location: San Juan 28-7 Unit 45
Operator #: 0203 Operator Name: Amoco P/L District: Blanco
Coordinates: Letter: L Section 27 Township: 28 Range: 7
Or Latitude _____ Longitude _____
Pit Type: Dehydrator ✓ Location Drip: ___ Line Drip: ___ Other: _____
Site Assessment Date: 6/2/94 Area: 03 Run: 41

SITE ASSESSMENT

NMOCD Zone: (From NMOCD Maps)
Inside ☒ (1)
Outside ☐ (2)

Land Type:
BLM ☒ (1)
State ☐ (2)
Fee ☐ (3)
Indian _____

Depth to Groundwater
Less Than 50 Feet (20 points) ☒ (1)
50 Ft to 99 Ft (10 points) ☐ (2)
Greater Than 100 Ft (0 points) ☐ (3)

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? ☐ (1) YES (20 points) ☒ (2) NO (0 points)

Horizontal Distance to Surface Water Body
Less Than 200 Ft (20 points) ☒ (1)
200 Ft to 1000 Ft (10 points) ☐ (2)
Greater Than 1000 Ft (0 points) ☐ (3)
Name of Surface Water Body Salado Canyon (off Carrizo)
(Surface Water Body : Perennial Rivers, Major Wash, Streams, Creeks, Irrigation Canals, Ditches, Lakes, Ponds)
Distance to Nearest Ephemeral Stream ☐ (1) < 100' (Navajo Pits Only)
☐ (2) > 100'

TOTAL HAZARD RANKING SCORE: 40 **POINTS**

REMARKS

Remarks : Redline - Inside, Vulv - Inside
4 pits. Will Close 1. Pit has thin layer of product (10'x3'x 2")

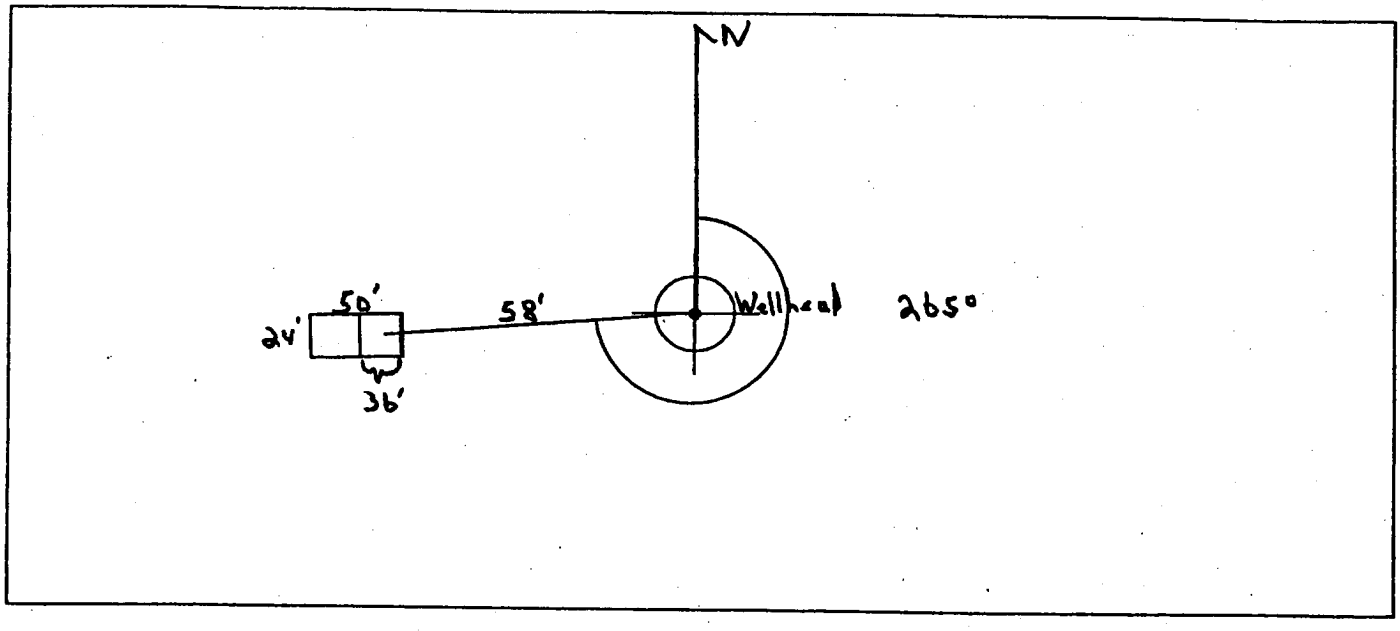
DIG + HAUL

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 265° Footage from Wellhead 58'

b) Length : 50' Width : 24' Depth : 4'



REMARKS

Remarks :

Pictures @ 1103 (10-13)
Dump Truck

Bermed & Fenced area of pit is 50' x 24' x 4'. Actual pit area is 36' x 24' x 4'

Completed By:

Cory Rowe
Signature

6/2/94
Date

REVISED
FIELD PIT SITE ASSESSMENT FORM

GENERAL

Meter: 71519 Location: SAN JUAN 28-7 UNIT 45
Operator #: 0203 Operator Name: AMOCO P/L District: BLANCO
Coordinates: Letter L Section 27 Township: 28 Range: 7
or Latitude _____ Longitude _____
Pit Type: Dehydrator X Location Drip: _____ Line Drip: _____ Other: _____
Site Assessment Date: 6/2/94 Area: 03 Run: 41
Revised Date: 11/7/02

SITE ASSESSMENT

NMOCD Zone:
(from NMCOD Maps)

Land Type:
Intside [X] (1)
Outside [ ] (2)

BLM [X] (1)
State [ ] (2)
Fee [ ] (3)
Indian _____

Depth to Groundwater
Less than 50 Feet (20 points) [X] (1)
50 Feet to 99 Feet (10 Points) [ ] (2)
Greater than 100 Feet (0 Points) [ ] (3)

Well Protection Area
Is it less than 1000 feet from well, spring or other source of fresh water extraction?
or; Is it less than 200 feet from a private domestic water source?
[ ] YES (20 Points) [X] NO (0 Points)

Horizontal Distance to Surface Water Body
Less than 200 Feet (20 points) [ ] (1)
200 Feet to 1000 Feet (10 Points) [ ] (2)
Greater than 1000 Feet (0 Points) [X] (3)

Name of Surface Water Body CARRIZO CANYON

(Surface Water Body: Perennial River, Stream, Creek, Irrigation Canal, Ditch, Lake, Pond)

Distance to Nearest Ephemeral Stream [ ] (1) < 100 feet [ ] (2) > 100 feet (Navajo Pits Only)

TOTAL HAZARD RANKING SCORE 20 **POINTS**

REMARKS

Remarks: REVISION BASED ON RE ASSESSMENT OF DISTANCE TO NEAREST SURFACE WATER BODY.

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL

Meter: 71519 Location: San Juan 28-7 Unit #15

Coordinates: Letter: L Section 27 Township: 28 Range: 7

Or Latitude _____ Longitude _____

Date Started : 6/14/94 Area: 03 Run: 41

FIELD OBSERVATIONS

Sample Number(s): 4P37 _____ _____ _____

Sample Depth: 12 Feet

Final PID Reading 552 ppm PID Reading Depth 12 Feet

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

CLOSURE

Remediation Method :

Excavation	☒ (1)	Approx. Cubic Yards 200
Onsite Bioremediation	☐ (2)	
Backfill Pit Without Excavation	☐ (3)	

Soil Disposition:

Envirotech	☐ (1)	☒ (3)	Tierra
Other Facility	☐ (2)	Name:	_____

Pit Closure Date: 6/15/94 Pit Closed By: BEI

REMARKS

Remarks : STARTED Remediation to 12 ft had to dump one load of Backfill to solidify. could not complete will finish tommorow. completed digging pit took VC sample, meter reading was 552 ppm at 53° closed pit.

Signature of Specialist: James F Lewis

(SP3191) 04/07/94

40

El Paso Natural Gas Company

FIELD SERVICES LABORATORY
ANALYTICAL REPORT
PIT CLOSURE PROJECT - Soil

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	JP 37	945455
MTR CODE | SITE NAME:	71519	N/A
SAMPLE DATE | TIME (Hrs):	6-15-94	1030
SAMPLED BY:	N/A	
DATE OF TPH EXT. | ANAL.:	6/16/94	6/16/94
DATE OF BTEX EXT. | ANAL.:	6/17/94	6/21/94
TYPE | DESCRIPTION:	VC	Dark Grey Fine Sand/Clay

REMARKS: _____

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	0.52	MG/KG	5			
TOLUENE	< 0.12	MG/KG	5			
ETHYL BENZENE	7.4	MG/KG	5			
TOTAL XYLENES	91	MG/KG	5			
TOTAL BTEX	99	MG/KG				
TPH (418.1)	21,100	MG/KG			0.24	28
HEADSPACE PID	552	PPM				
PERCENT SOLIDS	88.0	%				

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

The Surrogate Recovery was at 79 % for this sample All QA/QC was acceptable.

Narrative: ATI results attached.

DF = Dilution Factor Used

7/12/94

Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)
CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 406367
PROJECT # : 24324
PROJECT NAME : PIT CLOSURE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
10	945455	NON-AQ	06/15/94	06/17/94	06/21/94	5
11	945456	NON-AQ	06/15/94	06/17/94	06/21/94	1

PARAMETER	UNITS	10	11
BENZENE	MG/KG	0.52	<0.025
TOLUENE	MG/KG	<0.12	0.055
ETHYLBENZENE	MG/KG	7.4	<0.025
TOTAL XYLENES	MG/KG	91	0.078
SURROGATE:			
BROMOFLUOROBENZENE (%)		79	99

El Paso Natural Gas Company

CHAIN OF CUSTODY RECORD

Page _____ of _____

PROJECT NUMBER	PROJECT NAME	SAMPLERS: (Signature)	DATE:
	Pit Closure Project # 24324	James T Ponce	6/15/94

LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER	TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	REQUESTED ANALYSIS: TPH EPA 418.1	REQUESTED ANALYSIS: BTEX EPA 8020	REQUESTED ANALYSIS:	REQUESTED ANALYSIS:	REQUESTED ANALYSIS:	REQUESTED ANALYSIS: 5260 *	REMARKS
94 5455	6/15/94	1030	Soil	4P37	1	VG	X	X				33	
94 5456	6/15/94	1330	Soil	4P38	1	VG	X	X				34	

CONTRACT LABORATORY P. O. NUMBER

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
James T Ponce	6/15/94 1900	Brenda Kiess	Brenda Kiess	6/16/94 0825	
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED OF LABORATORY BY: (Signature)
					Kim Kay

REQUESTED TURNAROUND TIME:
☐ ROUTINE ☐ RUSH _____

CARRIER CO.

BILL NO.:

SAMPLE RECEIPT REMARKS

CHARGE CODE

RESULTS & INVOICES TO:

FIELD SERVICES LABORATORY
EL PASO NATURAL GAS COMPANY
P. O. BOX 4990
FARMINGTON, NEW MEXICO 87499

505-599-2144 FAX: 505-599-2261

White - *Testing Laboratory* Canary - *EPNG Lab* Pink - *Field Sampler*

FM-08-0565A (Rev. 03-94)

RECORD OF SUBSURFACE EXPLORATION

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

Borehole # BH-1
Well #
Page 1 of 1

Project Name EPNG PITS
Project Number 14509 Phase 6000.77
Project Location San Juan 28-7 Unit 45 71579

Elevation
Borehole Location QL-S27-T28-R7
GWL Depth
Logged By Phillip Moss
Drilled By K. Padilla
Date/Time Started 9-8-95 / 08:50
Date/Time Completed 9-8-95 / 10:25

Well Logged By Phillip Moss
Personnel On-Site K. Padilla, F. Rivera, A. Chacon, P. Moss
Contractors On-Site
Client Personnel On-Site

Drilling Method 4 1/4 I.D. 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	Drilling Conditions & Blow Counts
0				Back fill to 12'.						
5										
10										
15	1	~~14-16~~ ~~15-17~~ 15-17 plm 9/8/95	~~SS~~ SS	SAND		16'	0	~~0.8~~		plm 9/8/95
20		18-20'	SS 9"	sandstone, f.g., greenish gray, poorly-cemented, strong hydrocarbon odor			32	32	471 / 550	09:28
25	2	23-25	SS 6"	AA			10	23	543 / 598	09:40
30	3	28-30	SS 4"	sandstone, f.g., brown, poorly-cemented, no odor, moist			2	164	7.5 / 1.5	09:51
35				TD = 30'						
40										

Comments: PL M 11 (28-30) collected and sent to lab (BTEX, TPH). BH grouted to the surface. Note: stacked at the edge of the pit, Hit discolored soil with hydrocarbon odor at 4', moved toward the center of the pit.

Geologist Signature Phillip L. Moss

El Paso Natural Gas Company

Phase II Drilling

CHAIN OF CUSTODY RECORD

Page 1 of 1

PROJECT NUMBER	PROJECT NAME	SAMPLERS: (Signature)	DATE:
	Pit Closure Project # 24324	Philip L. Nobs	9-8-95

LAB ID	DATE	TIME	MATRIX	SAMPLE NUMBER	TOTAL NUMBER OF CONTAINERS	SAMPLE TYPE	REQUESTED ANALYSIS: TPH EPA 418.1	REQUESTED ANALYSIS: BTEX EPA 8020			Field PID	Seq Number #	REMARKS
7430	9/8/95	09:57	Soil	PLM11	1	VG	X	X			1.5	9	San Juan 28-7 Unit 45 71575 (28-30')
7431	9/8/95	10:57	Soil	PLM12	1	VG	X	X			1.0	10	San Juan 28-7 Unit 190 87689 (13-15')
7432	9/8/95	11:46	Soil	PLM13	1	VG	X	X			11	11	San Juan 28-7 Unit 189 87672 (15-17')
7433	9/8/95	13:35	Soil	PLM14	1	VG	X	X			0	12	San Juan 28-7 Unit 221 89721 (40-42')

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
Philip L. Nobs	9/8/95 15:55	Julie Diddle	Julie Diddle	9/11/95 11:10	
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED OF LABORATORY BY: (Signature)

REQUESTED TURNAROUND TIME:
☐ ROUTINE ☐ RUSH

CARRIER CO.

BILL NO.:

SAMPLE RECEIPT REMARKS

CHARGE CODE

RESULTS & INVOICES TO:

FIELD SERVICES LABORATORY
EL PASO NATURAL GAS COMPANY
P. O. BOX 4990
FARMINGTON, NEW MEXICO 87499

505-599-2144 FAX: 505-599-2261

White - *Testing Laboratory* Canary - *EPNG Lab* Pink - *Field Sampler*

FM-08-0565A (Rev. 03-94)

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:	PLM11	947430
MTR CODE | SITE NAME:	71519	San Juan 28-7 Unit 45
SAMPLE DATE | TIME (Hrs):	09-08-95	0951
PROJECT:	Phase II Drilling	
DATE OF TPH EXT. | ANAL.:	9-11-95	09-11-95
DATE OF BTEX EXT. | ANAL.:	9/12/95	9/14/95
TYPE | DESCRIPTION:	VG	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)	332	MG/KG			2.0	28
HEADSPACE PID	1.5	PPM				
PERCENT SOLIDS	94.4	%				

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

The Surrogate Recovery was at 91% for this sample All QA/QC was acceptable.

Narrative:

DF = Dilution Factor Used

Approved By: _____ Date: 9-15-95

BTEX SOIL SAMPLE WORKSHEET

File	: 947430		**Date Printed**	: 9/15/95	
Soil Mass (g)	: 5.09		**Multiplier (L/g)**	: 0.00098	
Extraction vol. (mL)	: 20		**DF (Analytical)**	: 200	
Shot Volume (uL)	: 100		**DF (Report)**	: 0.19646	

				Det. Limit
Benzene (ug/L)	: 0.00	**Benzene (mg/Kg):**	**0.000**	0.491
Toluene (ug/L)	: 0.00	**Toluene (mg/Kg):**	**0.000**	0.491
Ethylbenzene (ug/L)	: 0.00	**Ethylbenzene (mg/Kg):**	**0.000**	0.491
p & m-xylene (ug/L)	: 0.00	p & m-xylene (mg/Kg):	0.000	0.982
o-xylene (ug/L)	: 0.00	o-xylene (mg/Kg):	0.000	0.491
		Total xylenes (mg/Kg):	**0.000**	1.473
		Total BTEX (mg/Kg):	**0.000**	