

EL PASO FIELD SERVICES
Denny PRODUCTION PIT CLOSURE
DEPUTY OIL & GAS INSPECTOR

DEC 21 1998

HANLEY A #1 MV & CH
Meter/Line ID - 90307

RECEIVED
JUL 2 1998

OIL CON. DIV

SITE DETAILS

Approved
Legals - Twn: 29 Rng: 10
NMOCD Hazard Ranking: 40
Operator: TEXACO E&P INC

Sec: 18 Unit: F
Land Type: 4 - Fee
Pit Closure Date: 09/09/94

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.
- 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

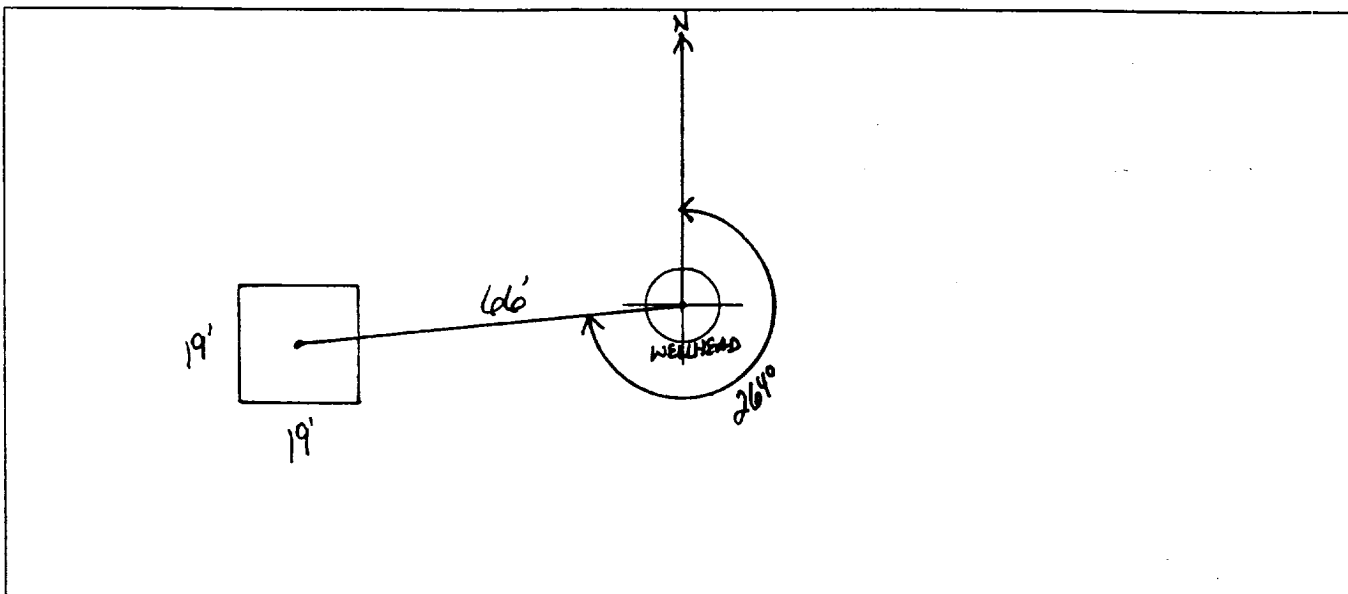
GENERAL	<p>Meter: ⁹⁰³⁰⁷<u>90308</u> Location: <u>HANLEY A #1^{5-18-94 RT}</u> MV: <u>CH</u></p> <p>Operator #: <u>0263</u> Operator Name: <u>TEXACO</u> P/L District: <u>BLOOMFIELD</u></p> <p>Coordinates: Letter: <u>F</u> Section <u>18</u> Township: <u>29</u> Range: <u>10</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Pit Type: Dehydrator _____ Location Drip: <input checked="" type="checkbox"/> Line Drip: _____ Other: _____</p> <p>Site Assessment Date: <u>5-18-94</u> Area: <u>10</u> Run: <u>93</u></p>
SITE ASSESSMENT	<p>NMOCD Zone: (From NMOCD Maps)</p> <p style="margin-left: 150px;">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</p> <p>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 :</p> <p>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? <input checked="" type="checkbox"/> (1) YES (20 points) <input type="checkbox"/> (2) NO (0 points)</p> <p>Horizontal Distance to Surface Water Body</p> <p>Less Than 200 Ft (20 points) <input type="checkbox"/> (1) 200 Ft to 1000 Ft (10 points) <input type="checkbox"/> (2) Greater Than 1000 Ft (0 points) <input checked="" type="checkbox"/> (3)</p> <p>Name of Surface Water Body _____</p> <p>(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>40</u> POINTS</p>
REMARKS	<p>Remarks : <u>TWO PITS ON LOCATION. WILL CLOSE ONLY ONE. PIT IS DRY. LOCATION IS AT THE MOUTH OF POTTER CANYON. REDLINE AND TOPO CONFIRMED LOCATION IS INSIDE I.Z.</u></p>

DR. HALL

ORIGINAL PIT LOCATION

ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North 264° Footage from Wellhead 66'
b) Length : 19' Width : 19' Depth : 2'



REMARKS

Remarks :

TOOK PICTURES AT 1:37 P.M.

END DUMP

Completed By:

Robert Thompson

Signature

5.18.94

Date

PHASE I EXCAVATION

FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	<p>Meter: <u>90307</u> 90308 Location: <u>HANLEY, A¹⁷ MYÉCH</u></p> <p>Coordinates: Letter: <u>F</u> Section <u>18</u> Township: <u>29</u> Range: <u>10</u></p> <p>Or Latitude _____ Longitude _____</p> <p>Date Started : <u>9-9-94</u> Run: <u>10</u> <u>93</u></p>
FIELD OBSERVATIONS	<p>Sample Number(s): <u>KP227</u></p> <p>Sample Depth: <u>12'</u> Feet</p> <p>Final PID Reading <u>338</u> PID Reading Depth <u>12'</u> Feet</p> <p style="text-align: center;">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>90</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>9-9-94</u> Pit Closed By: <u>B.E.I</u></p>
REMARKS	<p><u>Remarks : Some line markers Pit is dirty. Soil looks grey looking. At 12' soil still the same with A smell. closed Pit.</u></p>
	<p>Signature of Specialist: <u>Kelly Padell</u></p>



Natural Gas Company

THE SERVICE REPORT FOR NATURAL GAS SERVICE

PLEASE PRINT NAME AND ADDRESS OF THE PERSON TO WHOM THIS REPORT IS SENT

NAME AND ADDRESS

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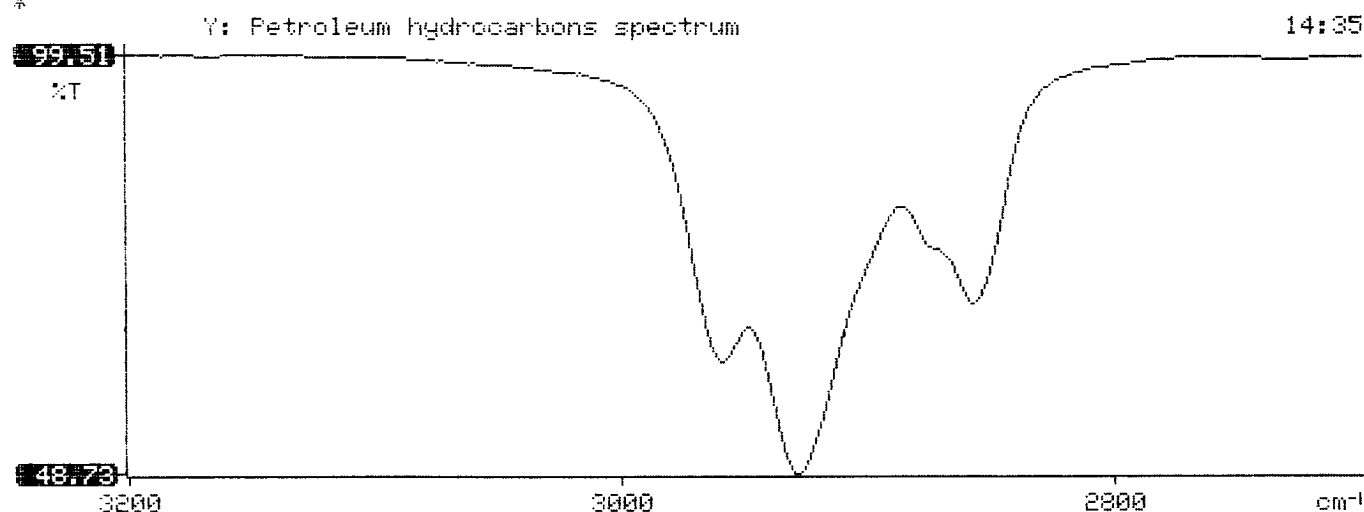
*****
*                               *
*      Test Method for         *
*      Oil and Grease and Petroleum Hydrocarbons      *
*      in Water and Soil      *
*                               *
*      Perkin-Elmer Model 1600 FT-IR                  *
*      Analysis Report      *
*****

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* 94/09/13 14:35
*
* Sample identification
* 946087
*
* Initial mass of sample, g
* 2.220
*
* Volume of sample after extraction, ml
* 28.000
*
* Petroleum hydrocarbons, ppm
* 2212.994
* Net absorbance of hydrocarbons (2930 cm-1)
* 0.310
*
*
*

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Analytical**Technologies**, Inc.

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

ATI I.D. 409354

September 22, 1994

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

Project Name/Number: PIT CLOSURE 24324

Attention: John Lambdin

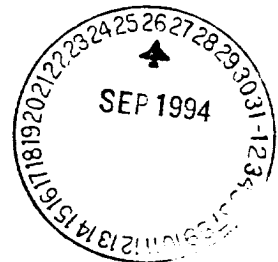
On 09/14/94, Analytical Technologies, Inc., (ADHS License No. AZ0015), received a request to analyze **non-aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

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

Letitia Krakowski, Ph.D.
Project Manager

MR:jt

Enclosure



GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)
 CLIENT : EL PASO NATURAL GAS CO. ATI I.D.: 409354
 PROJECT # : 24324
 PROJECT NAME : PIT CLOSURE

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
13	946087	NON-AQ	09/09/94	09/14/94	09/17/94	1
14	946088	NON-AQ	90/09/94	09/14/94	09/17/94	1
15	946095	NON-AQ	09/12/94	09/14/94	09/17/94	20
PARAMETER			UNITS	13	14	15
BENZENE			MG/KG	<0.025	<0.025	13
TOLUENE			MG/KG	1.6	<0.025	73
ETHYLBENZENE			MG/KG	1.8	<0.025	<0.5
TOTAL XYLENES			MG/KG	88 D(5)	0.059	170

SURROGATE:

BROMOFLUOROBENZENE (%)	107	108	153*
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*OUTSIDE ATI QUALITY CONTROL LIMITS DUE TO MATRIX INTERFERENCE

D(5)=DILUTED 5X, ANALYZED 09/19/94

PHASE II

RECORD OF SUBSURFACE EXPLORATION

Philip Environmental Services Corp.

4000 Monroe Road

Farmington, New Mexico 87401

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

Borehole #

Well #

Page 1 of 2

BH-1

Project Name

EPNG Pits

Project Number

14509

Phase

60+ 6000

Project Location

Hanley #1, 90308, 9030

Well Logged By

S. Kelly

Personnel On-Site

K. Padilla, F. Rivera, D. Cho

Contractors On-Site

Client Personnel On-Site

Elevation

Borehole Location T29, R10, S. B, F

GWL Depth

Logged By

S. Kelly

Drilled By

K. Padilla

Date/Time Started

6/29/95, 0700

Date/Time Completed

6/29/95

Drilling Method

4 1/2" ID HSA

Air Monitoring Method

CGI, PID

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 BZ BH S			Drilling Conditions & Blow Counts
0				Backfill to 12'						
15	1	15'-17'	1.5'	silty SAND, 5-15% silt fine sand, olive grey, loose, damp			0	0	19/115	0730
20	2	20'-22'	1.5'	SAA, but dk gray, and dense					132/1041	0745 may be weathered roc.
25	3	25'-26.5'	1.5'	SAA, but with 10-20% med. sand, very dense			0	1	302/709	0750
30	4	30'-32'	2.0'	SAA, but with 40-60% med. sand.			12	139	127/1011	0805 sand & coming up augers is now black.
35	5	35'-36.5'		SAA, but tan color, with some grey mottling					145/149	-0820 sand coming up auger is now olive grey.

Comments:

Geologist Signature

Sarah Kelly

RECORD OF SUBSURFACE EXPLORATION

Philip Environmental Services Corp.

4000 Monroe Road

Farmington, New Mexico 87401

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

Borehole #

BH-1

Well #

Page

2 of 2

Project Name

EPNG Pits

Project Number

14509

Phase

601

Project Location

Hanley A#1, 90308 + 90307

Well Logged By

S.Kelly

Personnel On-Site

Contractors On-Site

Client Personnel On-Site

Drilling Method

Air Monitoring Method

CGI, PID

Elevation

Borehole Location

GWL Depth

Logged By

S.Kelly

Drilled By

Date/Time Started

Date/Time Completed

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										
5				BOH - 42'						
10										
15										
20										
25										
30										
35										
40										

Comments:

Stopped drilling at 0900 due to broken autohammer, resumed at 1330
35'-36.5' sample (SEK 27) sent to lab. Sample was bagged and
iced prior to being put in jar. BH grouted to surface.

Geologist Signature

Sarah Kelly



Phase II

Drilling

FIELD SERVICES LABORATORY

ANALYTICAL REPORT

PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

SAMPLE IDENTIFICATION

	Field ID	Lab ID
SAMPLE NUMBER:	SEX 27	944937
MTR CODE SITE NAME:	90307 90308	N/A
SAMPLE DATE TIME (Hrs):	6-28-95	0820
SAMPLED BY:	N/A	
DATE OF TPH EXT. ANAL:	7-4-95	7-4-95
DATE OF BTEX EXT. ANAL:	7-6-95	7-10-95
TYPE DESCRIPTION:	VG	Brown Fine sand w/ few pebbles

REMARKS:

RESULTS

PARAMETER	RESULT	UNITS	QUALIFIERS			
			DF	Q	M(g)	V(ml)
BENZENE	<0.025	MG/KG	1			
TOLUENE	<0.025	MG/KG	1			
ETHYL BENZENE	<0.025	MG/KG	1			
TOTAL XYLENES	<0.025	MG/KG	1			
TOTAL BTEX	<0.10	MG/KG				
TPH (418.1)	84.9	MG/KG				28
HEADSPACE PID	148	PPM				
PERCENT SOLIDS	91.2	%				

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

The Surrogate Recovery was at 90 % for this sample All QA/QC was acceptable.

Narrative:

All results attached

DF = Dilution Factor Used

Approved By:

Date:

7/17/95

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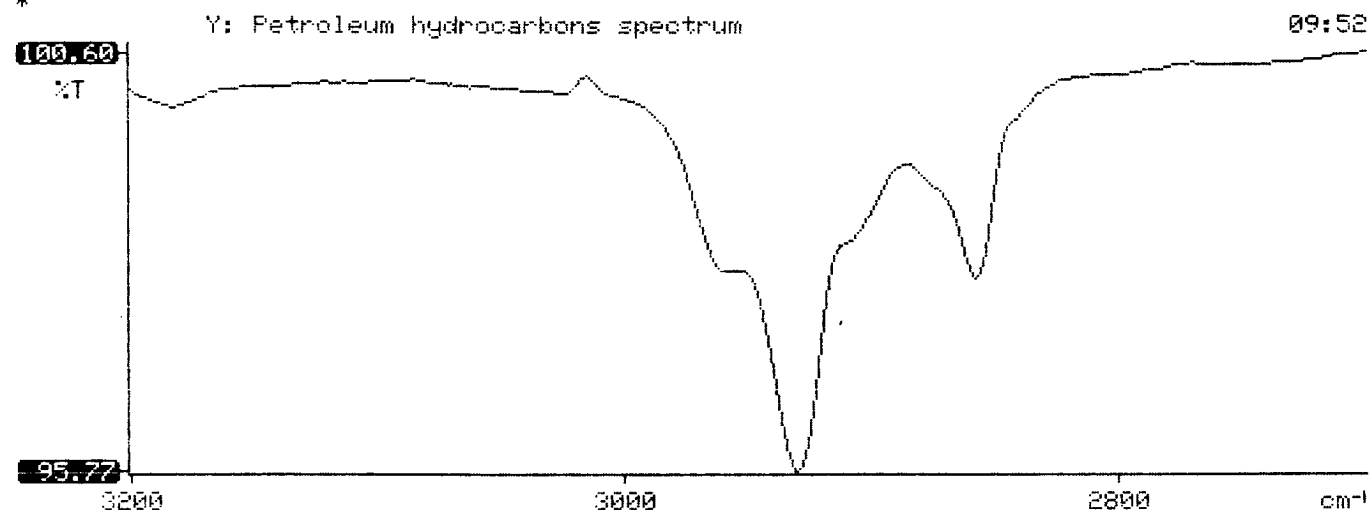
*****
*                               *
*      Test Method for          *
*      Oil and Grease and Petroleum Hydrocarbons      *
*      in Water and Soil        *
*                               *
*      Perkin-Elmer Model 1600 FT-IR                    *
*      Analysis Report      *
*****

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* 95/07/04 09:52
*
* Sample identification
* 946937
*
* Initial mass of sample, g
* 1.990
*
* Volume of sample after extraction, ml
* 28.000
*
* Petroleum hydrocarbons, ppm
* 84.916
* Net absorbance of hydrocarbons (2930 cm-1)
* 0.021
*
*
*

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Analytical**Technologies**, Inc.

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

ATI I.D. **507308**

July 13, 1995

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

Project Name/Number: PIT CLOSURE/PHASE II 38822

Attention: John Lambdin

On 07/06/95, 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.

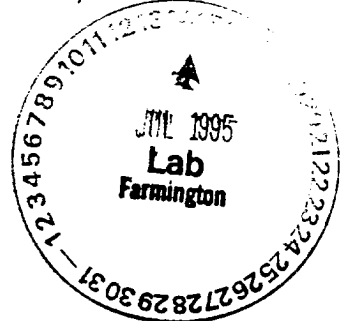
If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

Kimberly D. McNeill
Project Manager

MR:gsm

Enclosure

H. Mitchell Rubenstein, Ph.D.
Laboratory Manager





Analytical Technologies, Inc.

GAS CHROMATOGRAPHY RESULTS

TEST : BTEX (EPA 8020)
CLIENT : EL PASO NATURAL GAS COMPANY ATI I.D.: 507308
PROJECT # : 38822
PROJECT NAME : PIT CLOSURE/PHASE II

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	946937	NON-AQ	06/29/95	07/06/95	07/10/95	1
PARAMETER			UNITS		04	
BENZENE			MG/KG		<0.025	
TOLUENE			MG/KG		<0.025	
ETHYLBENZENE			MG/KG		<0.025	
TOTAL XYLENES			MG/KG		<0.025	

SURROGATE:

BROMOFLUOROBENZENE (%) 90