

OFF: (505) 325-5667



LAB: (505) 325-1556

TOTAL PETROLEUM HYDROCARBONS

Attn: Shawn Adams
Company: Contract Environmental Services, Inc.
Address: P.O. Box 505
City, State: Kirtland, NM 87417

Date: 2-Jul-96
COC No.: 4197
Sample No. 11370
Job No. 2-1000

Project Name: Koch Exploration Company - Lamb #2
Project Location: LAMB-100; Pit Bottom, 10' deep
Sampled by: SA/JB Date: 28-Jun-96 Time: 12:00
Analyzed by: HR Date: 2-Jul-96
Sample Matrix: Soil

Laboratory Analysis

Parameter	Result	Detection Limit	Unit of Measure	Method
Total Petroleum Hydrocarbons, TPH	230	25	mg/kg	EPA Method 418.1

Quality Assurance Report

Laboratory Fortified Blank/Spike Soil

Laboratory Identification	Analyzed Value	Acceptable Range	Unit of Measure
Laboratory Fortified Blank Soil - QCBS2	< 25	< 25	mg/kg
Laboratory Fortified Spike Soil - QCSS1	897	828 - 1024	mg/kg

Duplication

Laboratory Identification	(% RSD)	Limit (% RSD)
11361-4033	< 0.1	15.0

Approved by: 

Date: 7/2/96

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AROMATIC VOLATILE ORGANICS

Attn: *Shawn Adams*
Company: *Contract Environmental Services, Inc.*
Address: *P.O. Box 505*
City, State: *Kirtland, NM 87417*

Date: *2-Jul-96*
COC No.: *4197*
Sample No. *11370*
Job No. *2-1000*

Project Name: *Koch Exploration Company - Lambe #2*
Project Location: *LAMB-100; Pit Bottom, 10' deep*
Sampled by: *SA/JB*
Analyzed by: *DC*
Sample Matrix: *Soil*

Date: *28-Jun-96* Time: *12:00*
Date: *1-Jul-96*

Laboratory Analysis

Parameter	Result	Units of Measure	Detection Limit	Units of Measure
Benzene	<0.2	ug/kg	0.2	ug/kg
Toluene	2.9	ug/kg	0.2	ug/kg
Ethylbenzene	10.4	ug/kg	0.2	ug/kg
m,p-Xylene	117.9	ug/kg	0.2	ug/kg
o-Xylene	12.3	ug/kg	0.2	ug/kg
TOTAL		143.6	ug/kg	

Method - SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography

Approved by: *JG*
Date: *7/2/96*

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TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT

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TOTAL PETROLEUM HYDROCARBONS

Attn: Shawn Adams
Company: Contract Environmental Services, Inc.
Address: P.O. Box 505
City, State: Kirtland, NM 87417

Date: 2-Jul-96
COC No.: 4197
Sample No. 11371
Job No. 2-1000

Project Name: Koch Exploration Company - Lamb #2
Project Location: LAMB-101; SW Corner, 7-8' deep
Sampled by: SA/JB Date: 27-Jun-96 Time: 12:00
Analyzed by: HR Date: 2-Jul-96
Sample Matrix: Soil

Laboratory Analysis

Parameter	Result	Detection Limit	Unit of Measure	Method
Total Petroleum Hydrocarbons, TPH	363	25	mg/kg	EPA Method 418.1

Quality Assurance Report

Laboratory Fortified Blank/Spike Soil

Laboratory Identification	Analyzed Value	Acceptable Range	Unit of Measure
Laboratory Fortified Blank Soil - QCBS2	< 25	< 25	mg/kg
Laboratory Fortified Spike Soil - QCSS1	897	828 - 1024	mg/kg

Duplication

Laboratory Identification	(% RSD)	Limit (% RSD)
11361-4033	< 0.1	15.0

Approved by: *[Signature]*

Date: 7/2/96

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- TECHNOLOGY BLENDING INDUSTRY WITH THE ENVIRONMENT

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AROMATIC VOLATILE ORGANICS

Attn: **Shawn Adams**
Company: **Contract Environmental Services, Inc.**
Address: **P.O. Box 505**
City, State: **Kirtland, NM 87417**

Date: **2-Jul-96**
COC No.: **4197**
Sample No. **11371**
Job No. **2-1000**

Project Name: **Koch Exploration Company - Lambe #2**
Project Location: **LAMB-101; SW Corner, 7-8' deep**
Sampled by: **SA/JB** Date: **27-Jun-96** Time: **12:00**
Analyzed by: **DC** Date: **1-Jul-96**
Sample Matrix: **Soil**

Laboratory Analysis

Parameter	Result	Units of Measure	Detection Limit	Units of Measure
Benzene	0.7	ug/kg	0.2	ug/kg
Toluene	2.0	ug/kg	0.2	ug/kg
Ethylbenzene	<0.2	ug/kg	0.2	ug/kg
m,p-Xylene	25.4	ug/kg	0.2	ug/kg
o-Xylene	6.6	ug/kg	0.2	ug/kg
TOTAL		34.6	ug/kg	

Method - SW-846 EPA Method 8020 Aromatic Volatile Organics by Gas Chromatography

Approved by: *[Signature]*
Date: **7/2/96**

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TECHNOLOGY SERVING INDUSTRY WITH THE ENVIRONMENT

6/ 6/28/96-Lambe 2-Tank Pit

Continue excavation to clear banks
B and bottom of pit.

G:

PID Data:

#	Depth	Reading	Description
1	8'	154 fpm	W-bank - Red/brown sand ^{silty and} coarse
2	6-8'	5	" " 2' footer
3	6-8'	8	S-bank - "
4	9'	89	Pit bottom - "
5	6-8'	75	W-bank - "
6	6-8'	36	E-bank - "
7	8'	126	Pit bottom - "
8 *	10'	8	Pit bottom - "

* To L&E For TPT, Result: 230 fpm

LAMB 100 =

LAMB-100 - B = 40.2 fpm

T = 2.9

E = 10.4

m.p.x = 117.9

O-X = 12.3

f.p. = 145.6 fpm

6/27/96 - Lamb 2 - Tank Pit

Arrived on location and took down fence.
 Began excavation and sampling in tank pit.
 Excavated all of pit to approx 6' deep.
 Hard-digging - lots of large cobbles.

PID Data:

#	Description	Reading (ppm)
1	West End - 4' deep	0.0 ppm
2	West End - 5'	89
3 *	West 1/2 bottom - 7'	40

* TO LAB for analysis: LAMBS-101

TPH = 363 ppm

G = 0.7 ppb

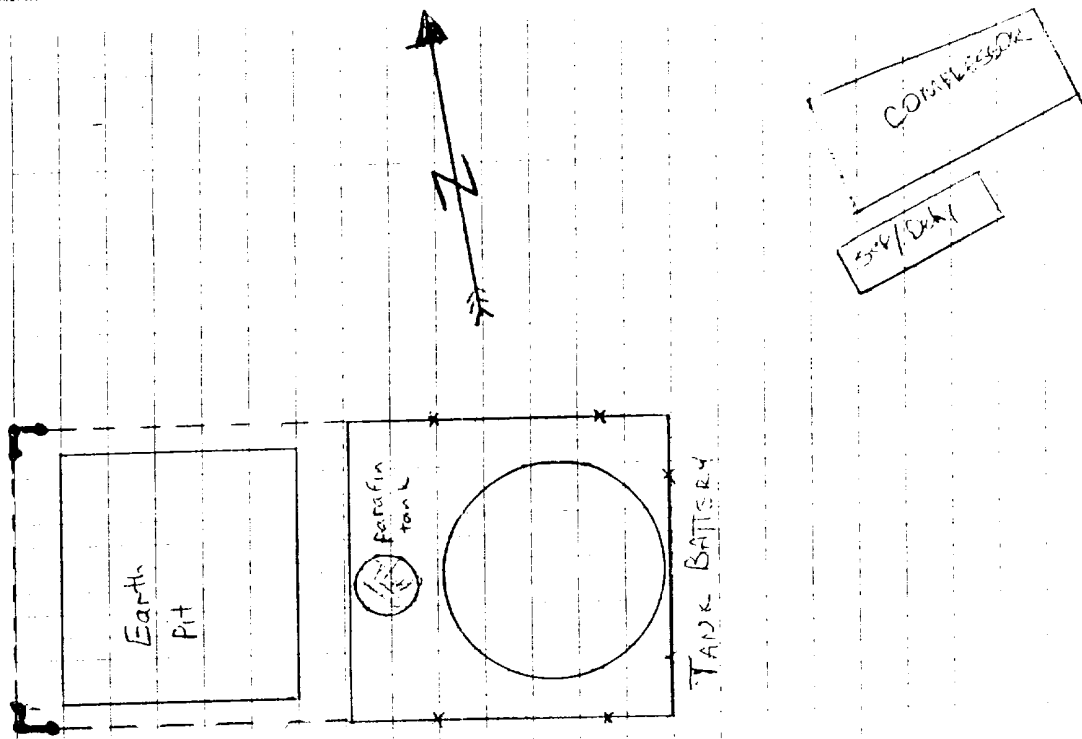
T = 2.0

S = < 0.2

mpd = 25.4

D-x = 6.6

total = 541.6 ppb



9/12/96 - Lambe 2

Ran all of soil from thru screen plant. Screen set for 1" and smaller. All larger than 1" material (gravel, cobbles and boulders) dumped into separator pit. All 1" and smaller (silt, sand, pebbles, chunks of clay) stock-piled and spread on location. Approx $\frac{1}{3}$ spread onto 12-18" thick and $\frac{2}{3}$ in spoil pile.

9/13/96 - Lambe 2

De-mobilize all equipment from location.