

OK

Denny S. Faust

District I
DEPUTY OIL & GAS INSPECTOR

District II

P.O. Drawer 1507 Albuquerque, NM 87107

District III

1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

Approved

PIT REMEDIATION AND CLOSURE REPORT

Operator: Louis Dreyfus Natural Gas

Telephone: (915) 387-5355

Address: P.O. Box 525 Sonora, Tx. 76950

Facility Or: Mudge "A" #8
Well Name

Location: Unit or Qtr/Qtr Sec 990'N/ 990'W Sec 6 T 27N R 11W County San Juan

Pit Type: Separator X Dehydrator Other

Land Type: BLM X, State , Fee , Other

Pit Location: Pit dimensions: length 28, width 25, depth 12
(Attach diagram)

Reference: wellhead X, other

Footage from reference: 11 feet

Direction from reference: 295 Degrees East North X
of
X 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) 0

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

BANKING SCORE TOTAL POINTS

Date Remediation Started: 2-19-96

Dated Completed: 2-21-96

Remediation Method: Excavation X

Approx. cubic yards 311

(Check all appropriate sections)

Landfarmed

Insitu Bioremediation

Other

Remediation Location: Onsite X Offsite

(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action:

Contamination was remediated by Dilution and Aeration.

This report is for re-sample of completed remediation.

Bedrock encountered at 12 feet.

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 See Attached

Sample depth See Attached

Sample date 7-9-97

Sample time

Sample Results

Benzene(ppm) See Attached

Total BTEX(ppm) See Attached

Field headspace(ppm) See Attached

TPH See Attached

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 7-21-97

SIGNATURE

Tommy H. Arnwine

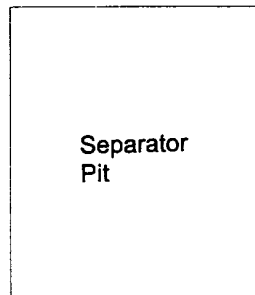
PRINTED NAME Tommy H. Arnwine A.S.P.
AND TITLE Environmental & Safety Director

LOUIS DREYFUS NATURAL GAS
SAN JUAN COUNTY, NEW MEXICO
MUDGE "A" #8
990°N/990°W S6 T27N §11W

Original Pit Excavation
Length 28 ft., Width 25 ft., Depth 12 ft.

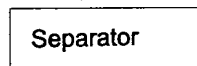
Re-Sample Taken at:
6 ft and 12 feet
Hit Sandstone at 12 feet

Compressor



Separator
Pit

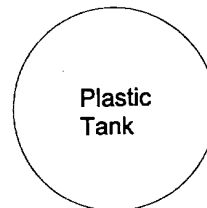
11' 295° NW



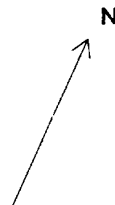
Separator



Wellhead



Plastic
Tank



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Mudge "A" 8
6 ft.

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Louis Dreyfus Natural Gas	Project #:	97300-26
Sample ID:	7	Date Reported:	07-10-97
Laboratory Number:	B634	Date Sampled:	07-09-97
Chain of Custody:	5302	Date Received:	07-09-97
Sample Matrix:	Soil	Date Analyzed:	07-10-97
Preservative:	Cool	Date Extracted:	07-09-97
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.8
Toluene	ND	8.4
Ethylbenzene	ND	7.6
p,m-Xylene	ND	10.8
o-Xylene	ND	5.2
Total BTEX	ND	

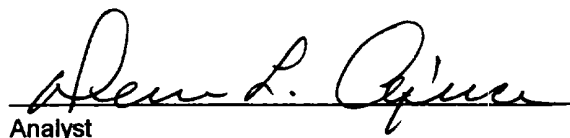
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	101 %
	Bromofluorobenzene	101 %

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1994.

Comments: NAPI.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Mudge "A" &
12 ft.

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Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	8.8
Toluene	ND	8.4
Ethylbenzene	ND	7.6
p,m-Xylene	21.0	10.8
o-Xylene	13.4	5.2
Total BTEX	34.4	

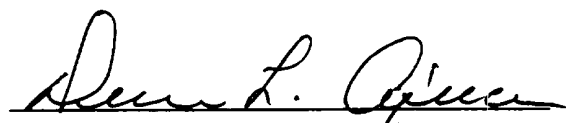
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	95 %
	Bromofluorobenzene	95 %

References: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1994.

Comments: NAPI.


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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

*Mudge "A" 8
6 ft.*
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

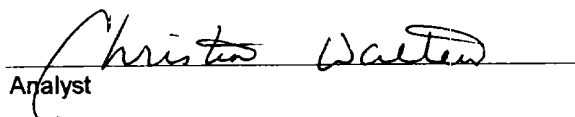
Client:	Louis Dreyfus Natural Gas	Project #:	97300-26
Sample ID:	7	Date Reported:	07-10-97
Laboratory Number:	B634	Date Sampled:	07-09-97
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Sample Matrix:	Soil	Date Extracted:	07-10-97
Preservative:	Cool	Date Analyzed:	07-10-97
Condition:	Cool and Intact	Analysis Needed:	TPH-418.1

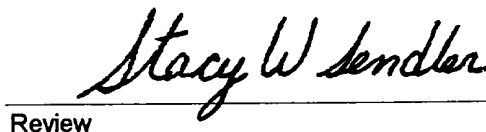
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	ND	5.0

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **NAPI.**


Analyst


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Mudge "A" 8
12 ft.
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

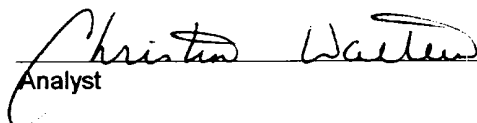
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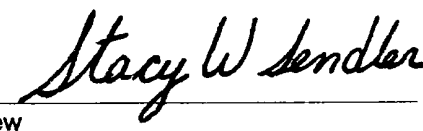
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