

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
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

80061
SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Operator:	Amoco Production Company	Telephone:	(505) - 326-9200
Address:	200 Amoco Court, Farmington, New Mexico 87401		
Facility Or: Well Name	JC Gordon "D" #2		
Location: Unit or Qtr/Qtr Sec	D	Sec	22 T 27N R 10E County San Juan
Pit Type: Separator	Dehydrator	Other	Blow
Land Type: BLM	State	Fee	Other
Pit Location:	Pit dimensions: length 40, width 40, depth 14		
(Attach diagram)	Denny E. Faust		
DEPUTY OIL & GAS INSPECTOR	Footage from reference: 145		
DEC 11 9 1996	Direction from reference: 80° Degrees East North of West South		
Depth To Ground Water:	Less than 50 feet (20 points)		
(Vertical distance from	50 feet to 99 feet (10 points)		
contaminants to seasonal	Greater than 100 feet (0 Points) 20		
high water elevation of			
ground water)			
Wellhead Protection Area:	Yes (20 points)		
(Less than 200 feet from a private	No (0 points) 0		
domestic water source, or; less than			
1000 feet from all other water sources)			
Distance To Surface Water:	Less than 200 feet (20 points)		
(Horizontal distance to perennial	200 feet to 1000 feet (10 points)		
lakes, ponds, rivers, streams, creeks,	Greater than 1000 feet (0 points) 0		
irrigation canals and ditches)			
RANKING SCORE (TOTAL POINTS): 20			

Date Remediation Started: _____ Date Completed: 29 July 1994

Remediation Method: Excavation ☒ (Check all appropriate sections) Landfarmed ☒ Approx. cubic yards 830 Insitu Bioremediation _____ Other _____

Remediation Location: Onsite ☒ Offsite _____ (ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: _____

Excavation

Ground Water Encountered: No ☒ Yes _____ Depth _____

Final Pit: Closure Sampling: (if multiple samples, attach sample results and diagram of sample locations and depths) Sample location see Attached Documents

Sample depth 14'

Sample date 29 July 1994 Sample time _____

Sample Results

Benzene(ppm) ND

Total BTEX(ppm) ND

Field headspace(ppm) 202

TPH 78 PPM

Ground Water Sample: Yes _____ No ☒ (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 29 July 1994

SIGNATURE

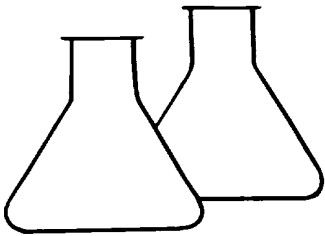
B.D. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

49153

UNION NOTES



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

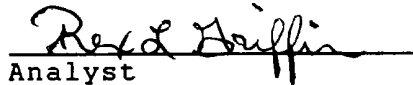
Client:	Amoco	Project #:	92140
Sample ID:	5@14'	Date Sampled:	07-28-94
Laboratory Number:	7751	Date Received:	07-28-94
Sample Matrix:	Soil	Date Analyzed:	08-09-94
Preservative:	Cool	Date Reported:	08-09-94
Condition:	Cool and Intact	Analysis Needed:	TPH

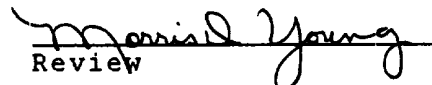
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	78	30.0

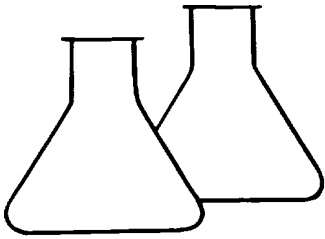
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: JC GORDON "D" #2 BLOW PIT


Analyst


Review



ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	AMOCO	Project #:	92140
Sample ID:	5@14'	Date Reported:	08-10-94
Laboratory Number:	7751	Date Sampled:	07-28-94
Sample Matrix:	Soil	Date Received:	07-28-94
Preservative:	Cool	Date Analyzed:	08-10-94
Condition:	Cool & Intact	Date Extracted:	08-10-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
-----	-----	-----
Benzene	ND	13.1
Toluene	ND	13.1
Ethylbenzene	ND	13.1
p,m-Xylene	ND	13.1
o-Xylene	ND	13.1

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	-----	-----
	Bromfluorobenzene	105 %

Method: Method 5030, Purge-and-Trap, Test Methods for Evaluating
Solid Waste, SW-846, USEPA, Sept. 1986

Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: JC GORDON "D" #2 BLOW PIT

Rex L. Griffin
Analyst

Maria S. Young
Review

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PIT REMEDIATION AND CLOSURE REPORT

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: JC Gordon "D" #2
Well Name
Location: Unit or Qtr/Qtr Sec D Sec 22 T 27N R 10W County SAN JUAN
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: BLM ☒ State ☐ Fee ☐ Other ☐

Pit Location: Pit dimensions: length 35, width 35, depth 25
(Attach diagram)
Reference: wellhead ☒, other ☐
Footage from reference: 100
Direction from reference: 60 Degrees ☒ East North ☒
of
☐ West South ☐

Depth To Ground Water: Less than 50 feet (20 points)
(Vertical distance from 50 feet to 99 feet (10 points)
contaminants to seasonal Greater than 100 feet (0 Points) 20
high water elevation of
ground water)

Wellhead Protection Area: Yes (20 points)
(Less than 200 feet from a private No (0 points) 0
domestic water source, or; less than
1000 feet from all other water sources)

Distance To Surface Water: Less than 200 feet (20 points)
(Horizontal distance to perennial 200 feet to 1000 feet (10 points) 0
lakes, ponds, rivers, streams, creeks, Greater than 1000 feet (0 points)
irrigation canals and ditches)

RANKING SCORE (TOTAL POINTS): 20

Date Remediation Started: _____ Date Completed: 28 July 94

Remediation Method: Excavation ☒ Approx. cubic yards 1134
(Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____
Other _____

Remediation Location: Onsite ☒ Offsite _____
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: _____

Excavation

Ground Water Encountered: No _____ Yes ☒ Depth 25'

Final Pit: Sample location see Attached Documents

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

Sample depth 25' & 20'

Sample date 28 July 1994 Sample time _____

Sample Results

Benzene(ppm) 0.44 @ 20' ND @ 25'

Total BTEX(ppm) 59.44 @ 20' 0.13 @ 25'

Field headspace(ppm) @ 25' (503) @ 20' (606)

TPH ND @ 25'

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

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

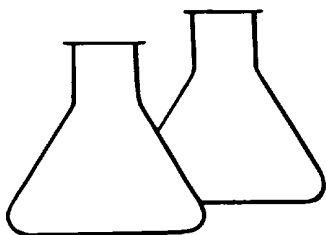
DATE 28 July 1994

SIGNATURE B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

TRAVEL NOTES



ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	AMOCO	Project #:	92140
Sample ID:	1020'	Date Reported:	08-10-94
Laboratory Number:	7752	Date Sampled:	07-28-94
Sample Matrix:	Soil	Date Received:	07-28-94
Preservative:	Cool	Date Analyzed:	08-10-94
Condition:	Cool & Intact	Date Extracted:	08-10-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	441	13.1
Toluene	4350	13.1
Ethylbenzene	2250	13.1
p,m-Xylene	10900	13.1
o-Xylene	41500	13.1

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	200 %
	Bromfluorobenzene	167 %

Method: Method 5030, Purge-and-Trap, Test Methods for Evaluating
Solid Waste, SW-846, USEPA, Sept. 1986

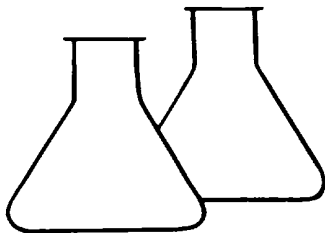
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: JC GORDON "D" #2 SEP PIT
EXCESSIVE SURROGATE RECOVERY DUE TO COELUTION

Ray L. Gaffi
Analyst

Morris D. Young
Review



ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Amoco	Project #:	92140
Sample ID:	5@25'	Date Sampled:	07-28-94
Laboratory Number:	7753	Date Received:	07-28-94
Sample Matrix:	Soil	Date Analyzed:	08-09-94
Preservative:	Cool	Date Reported:	08-09-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	ND	30.0

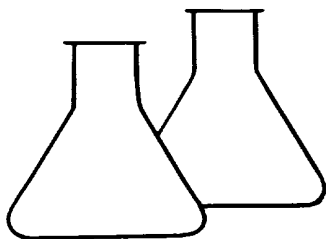
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: JC GORDON "D" #2 SEP PIT

Reed L. Griffin
Analyst

Mavis D. Young
Review



ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX (505) 632-1865

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	AMOCO	Project #:	92140
Sample ID:	5@25'	Date Reported:	08-10-94
Laboratory Number:	7753	Date Sampled:	07-28-94
Sample Matrix:	Soil	Date Received:	07-28-94
Preservative:	Cool	Date Analyzed:	08-10-94
Condition:	Cool & Intact	Date Extracted:	08-10-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	13.1
Toluene	ND	13.1
Ethylbenzene	14.7	13.1
p,m-Xylene	25.3	13.1
o-Xylene	90	13.1

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	113 %
	Bromfluorobenzene	93 %

Method: Method 5030, Purge-and-Trap, Test Methods for Evaluating
Solid Waste, SW-846, USEPA, Sept. 1986

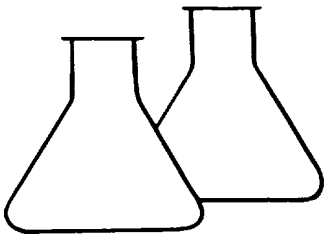
Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: JC GORDON "D" #2 SEP PIT

Rex L. Griffin
Analyst

Morris D. Young
Review



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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Amoco	Project #:	92140
Sample ID:	ground water	Date Reported:	08-10-94
Laboratory Number:	7754	Date Sampled:	07-28-94
Sample Matrix:	Water	Date Received:	07-28-94
Preservative:	HgCl & Cool	Date Analyzed:	08-10-94
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	0.5	0.2
Toluene	19.6	0.4
Ethylbenzene	ND	0.2
p,m-Xylene	ND	0.3
o-Xylene	75.0	0.3

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Bromofluorobenzene	159 %

Method: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments: JC GORDON "D" # 2

Rex L. Gaffin
Analyst

Maris D. Young
Review