



Date Remediation Started: \_\_\_\_\_ Date Completed: 7/18/94

Remediation Method: Excavation  Approx. cubic yards 778

(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 \_\_\_\_\_

Final Pit: Sample location see Attached Documents

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

Sample depth 12'

Sample date 7/18/94 Sample time \_\_\_\_\_

Sample Results

Benzene(ppm) 0.058

Total BTEX(ppm) 71.018

Field headspace(ppm) 923

TPH 9500 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

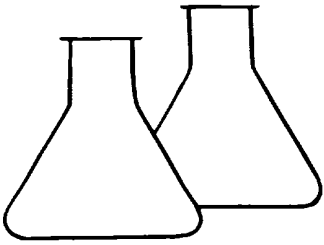
DATE 7/18/94

SIGNATURE B. Shaw

PRINTED NAME AND TITLE

Buddy D. Shaw  
Environmental Coordinator





# 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 @ 12'	Date Sampled:	07-18-94
Laboratory Number:	7725	Date Received:	07-18-94
Sample Matrix:	Soil	Date Analyzed:	07-19-94
Preservative:	Cool	Date Reported:	07-21-94
Condition:	Cool and Intact	Analysis Needed:	TPH

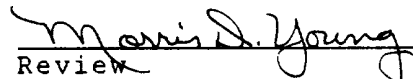
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
----- Total Petroleum Hydrocarbons	----- 9500	----- 10.0

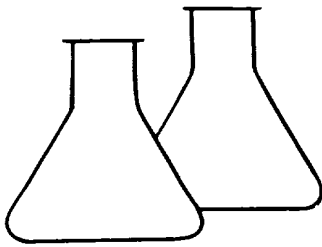
ND = Parameter not detected at the stated detection limit.  
N/A = Not applicable

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

Comments: JC Gordon D1 Blow Pit A0081

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Review



# ENVIROTECH LABS

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

## EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Amoco	Project #:	92140
Sample ID:	5@12'	Date Reported:	07-27-94
Laboratory Number:	7725	Date Sampled:	07-13-94
Sample Matrix:	Soil	Date Received:	07-13-94
Preservative:	Cool	Date Extracted:	07-18-94
Condition:	Cool & Intact	Date Analyzed:	07-26-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	58	19.8
Toluene	890	19.8
Ethylbenzene	4970	13.2
p,m-Xylene	39700	19.8
o-Xylene	25400	19.8

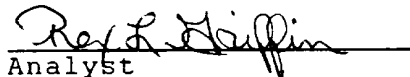
SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	179 %
	Bromofluorobenzene	187 %

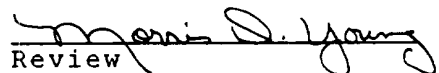
Method: Method 5030, Purge-and-Trap, Test Methods for  
Evaluating Solid Waste, SW-846, USEPA, July 1992

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

ND - Parameter not detected at the stated detection limit.

Comments: JC Gordon D1 blow pit A0081  
Excessive surrogate recovery due to co-elution

  
Analyst

  
Review

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

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

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

## PIT REMEDIATION AND CLOSURE REPORT

A0081

Operator:	Amoco Production Company	Telephone:	(505) - 326-9200
Address:	200 Amoco Court, Farmington, New Mexico 87401		
Facility Or: Well Name	JC Gordon D1		
Location: Unit or Qtr/Qtr Sec	P	Sec	22 T 27N R 10W county San Juan
Pit Type: Separator	<input checked="" type="checkbox"/>	Dehydrator	<input type="checkbox"/> Other <input type="checkbox"/>
Land Type: BLM	<input checked="" type="checkbox"/>	State	<input type="checkbox"/> Fee <input type="checkbox"/> Other <input type="checkbox"/>
Pit Location: (Attach diagram)	Pit dimensions: length 11', width 7', depth 6'		
	Reference: wellhead <input checked="" type="checkbox"/> , other <input type="checkbox"/>		
	Footage from reference: 110		
	Direction from reference: 80 Degrees <input checked="" type="checkbox"/> East North <input type="checkbox"/> of <input type="checkbox"/> West South <input checked="" type="checkbox"/>		
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)	10
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):		10

Date Remediation Started: \_\_\_\_\_ Date Completed: 7/18/94

Remediation Method: Excavation  Approx. cubic yards 17

(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 \_\_\_\_\_

Final Pit: Sample location see Attached Documents

Closure Sampling:

(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample depth 6'

Sample date 7/18/94 Sample time \_\_\_\_\_

Sample Results

Benzene(ppm) 0.030

Total BTEX(ppm) 0.924

Field headspace(ppm) 121

TPH 2510 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 7/18/94

SIGNATURE

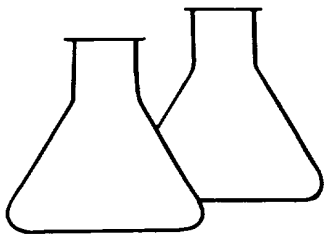
B. Shaw

PRINTED NAME AND TITLE

Buddy D. Shaw  
Environmental Coordinator







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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 @ 6'	Date Sampled:	07-18-94
Laboratory Number:	7726	Date Received:	07-18-94
Sample Matrix:	Soil	Date Analyzed:	07-19-94
Preservative:	Cool	Date Reported:	07-21-94
Condition:	Cool and Intact	Analysis Needed:	TPH


Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
----- Total Petroleum Hydrocarbons	----- 2510	----- 10.0

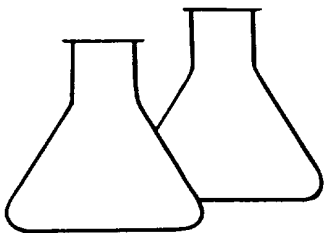
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N/A = Not applicable

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

Comments: JC Gordon D1 Separator Pit A0081

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
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:	5@6'	Date Reported:	07-27-94
Laboratory Number:	7726	Date Sampled:	07-13-94
Sample Matrix:	Soil	Date Received:	07-13-94
Preservative:	Cool	Date Extracted:	07-18-94
Condition:	Cool & Intact	Date Analyzed:	07-26-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	30	20.0
Toluene	392	20.0
Ethylbenzene	20	13.3
p,m-Xylene	341	20.0
o-Xylene	141	20.0

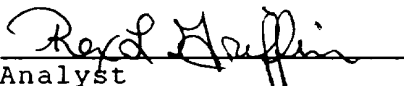
SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	105 %
	Bromofluorobenzene	110 %

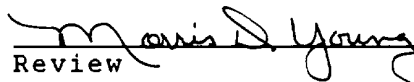
Method: Method 5030, Purge-and-Trap, Test Methods for  
Evaluating Solid Waste, SW-846, USEPA, July 1992

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

ND - Parameter not detected at the stated detection limit.

Comments: JC Gordon D1 Sep. Pit A0081

  
Analyst

  
Review