

District I

P.O. Box 1980, Hobbs, NM

District II

P.O. Drawer, 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

SUBMIT 1 COPY TO

APPROPRIATE

DISTRICT OFFICE

AND 1 COPY TO

SANTA FE OFFICE

(Revised 3/9/94)

PIT REMEDIATION AND CLOSURE REPORT

Operator: Conoco Inc.

Telephone: 505-324-5837

Address: 3315 Bloomfield Hwy - Farmington, NM 87401

Facility Or: Federal C-1

Well Name

Location: Unit or Qtr/Qtr Sec F Sec 28 T 30 R 11W County San JuanPit Type: Separator X Dehydrator Other Land Type: BLM X State Fee Other Pit Location: (Attach diagram) Pit dimension: length 12' width 12' depth 3'Reference: wellhead X other Footage from reference: 77'Direction from reference: 106 Degrees X East of North
West X 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)Total 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)Total 0

Distance To Surface Water:

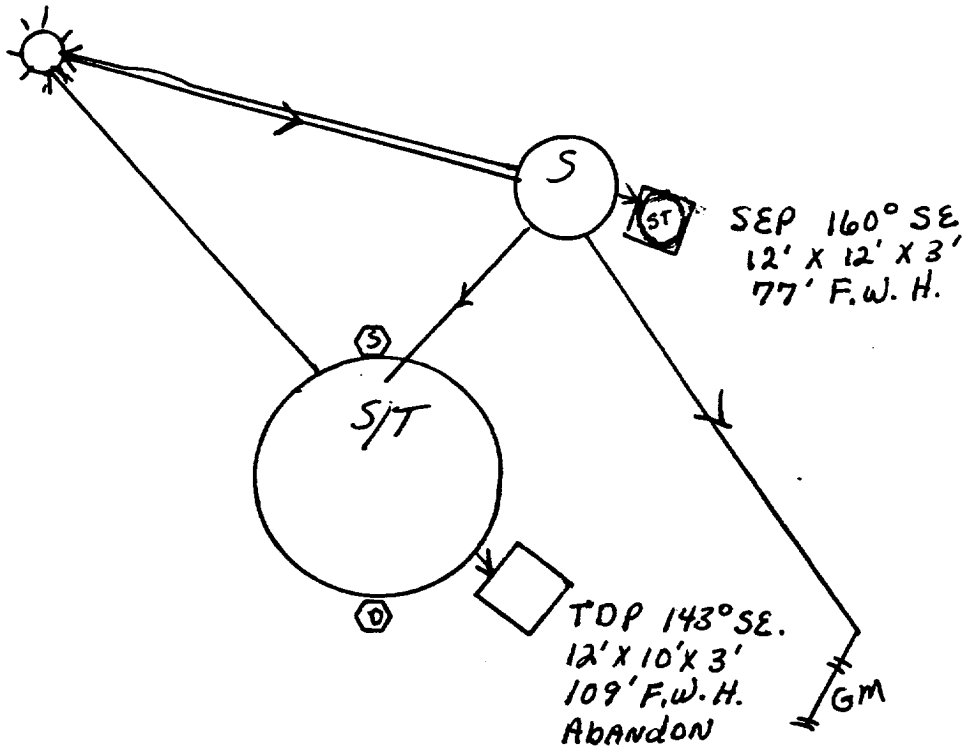
(Horizontal distance to perennial
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches)Less than 200 feet (20 points) (20 points)
200 feet to 1000 feet (10 points) (10 points)
Greater than 1000 feet (0 points) (0 points)Total 10RANKING SCORE (TOTAL POINTS): 10

Date Remediation Started: 3/31/1999		Date Completed: 3/31/1999	
Remediation Method: Excavation: X		Approx. cubic yards: 64	
(Check all appropriate sections)			
Landfarm X		Insitu Bioremediation	
Other			
Remediation Location: Onsite X		Offsite	
(ie. landfarmed onsite, name and location of offsite facility)			
General Description Of Remedial Action: Dug pit out to 12' X 12' X 12' - Dug an additional 2 feet and encountered bedrock. Took samples and backfilled pit with clean fill. Landfarmed contaminated soil from pit excavation.			
Composite sample: TPH = 31.9 ppm; Benzene = 0.232 ppm; Total BTEX = 6.95 ppm			
Landfarm sampled on 6/9/00: TPH = 1.6 ppm; Benzene = ND; Total BTEX = 0.049 ppm.			
Ground Water Encountered: No X Yes			
Depth			
Sample location: Center of pit bottom			
Composite: Center of sidewalls, North, South, East and West			
Sample depth: 14'			
(if multiple samples attach sample results and diagram of sample locations and depths)			
Sample Results			
Benzene (ppm)		3.8	
Total BTEX (ppm)		56.93	
Field headspace (ppm)		886	
TPH		1,810	
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: 9/6/01		PRINTED NAME: John E. Cofer	
SIGNATURE: [Signature]		AND TITLE: Environmental Coordinator	

Lease Name: Federal C1 Operator: S.erc Wille Date: 3-5-99

Site Security
(Indicate North)

N ↑



Lease Name: Federal C1

Federal/ Indian Lease No: NMSE 078138

CA No.: 7940001810

Unit: F

Legal Description: Sect: 28 TP: SAN R: 11W

County: SAN JUAN, NM

Load line valves :
Sealed during Production

Drain line valves :
Sealed during Production

Production Line valve:
Sealed during sales

This lease is subject to the site security plan for
San Juan Basin Operations. The plan is located at:
Conoco Inc.
3315 Bloomfield Hwy
Farmington, NM

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

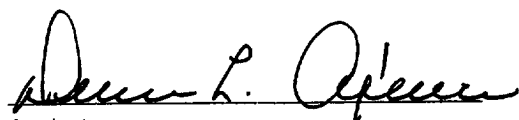
Client:	Conoco, Inc.	Project #:	707003
Sample ID:	SEP - Grab - CP	Date Reported:	04-02-99
Laboratory Number:	E934	Date Sampled:	04-01-99
Chain of Custody No:	6782	Date Received:	04-01-99
Sample Matrix:	Soil	Date Extracted:	04-02-99
Preservative:	Cool	Date Analyzed:	04-02-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1,360	0.2
Diesel Range (C10 - C28)	454	0.1
Total Petroleum Hydrocarbons	1,810	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Federal C - 1. OVM Reading 886.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Conoco, Inc.	Project #:	707003
Sample ID:	SEP - Grab - CP	Date Reported:	04-02-99
Laboratory Number:	E934	Date Sampled:	04-01-99
Chain of Custody:	6782	Date Received:	04-01-99
Sample Matrix:	Soil	Date Analyzed:	04-02-99
Preservative:	Cool	Date Extracted:	04-02-99
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	3,860	8.8
Toluene	14,240	8.4
Ethylbenzene	6,130	7.6
p,m-Xylene	22,970	10.8
o-Xylene	9,730	5.2
Total BTEX	56,930	

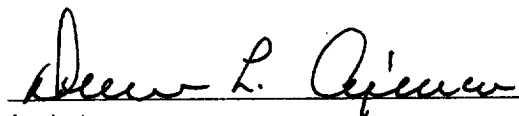
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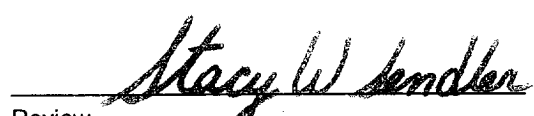
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	95 %
	Bromofluorobenzene	95 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Federal C - 1. OVM Reading 886.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

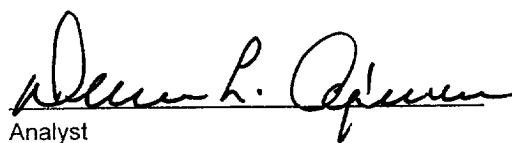
Client:	Conoco, Inc.	Project #:	707003
Sample ID:	SEP 4 Pt. Com.	Date Reported:	04-02-99
Laboratory Number:	E935	Date Sampled:	04-01-99
Chain of Custody No:	6782	Date Received:	04-01-99
Sample Matrix:	Soil	Date Extracted:	04-02-99
Preservative:	Cool	Date Analyzed:	04-02-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	31.9	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	31.9	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Federal C - 1.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Conoco, Inc.	Project #:	707003
Sample ID:	SEP - 4 Pt. Com.	Date Reported:	04-02-99
Laboratory Number:	E935	Date Sampled:	04-01-99
Chain of Custody:	6782	Date Received:	04-01-99
Sample Matrix:	Soil	Date Analyzed:	04-02-99
Preservative:	Cool	Date Extracted:	04-02-99
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	232	8.8
Toluene	1,190	8.4
Ethylbenzene	491	7.6
p,m-Xylene	3,970	10.8
o-Xylene	1,070	5.2
Total BTEX	6,950	

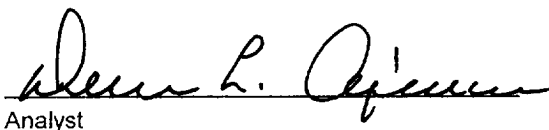
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	98 %
	Bromofluorobenzene	98 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Federal C - 1.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

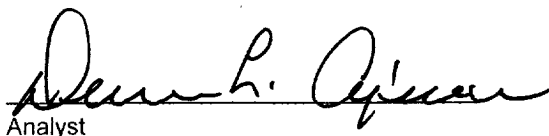
Client:	Conoco, Inc.	Project #:	707003
Sample ID:	SEP - 4 Pt. Com.	Date Reported:	04-02-99
Laboratory Number:	E938	Date Sampled:	04-01-99
Chain of Custody No:	6782	Date Received:	04-01-99
Sample Matrix:	Soil	Date Extracted:	04-02-99
Preservative:	Cool	Date Analyzed:	04-02-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	2.3	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	2.3	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Federal C - 1. North Wall, Taken 5' from Pit.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

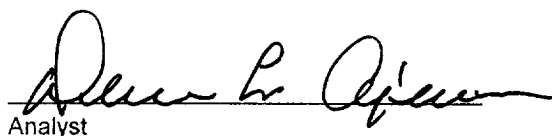
Client:	Conoco, Inc.	Project #:	707003
Sample ID:	SEP Grab	Date Reported:	04-02-99
Laboratory Number:	E939	Date Sampled:	04-01-99
Chain of Custody No:	6782	Date Received:	04-01-99
Sample Matrix:	Soil	Date Extracted:	04-02-99
Preservative:	Cool	Date Analyzed:	04-02-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

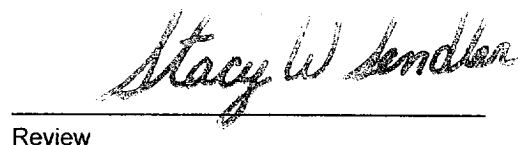
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.3	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	1.3	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Federal C - 1. West Side, Taken 10' from Pit.**


Analyst


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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

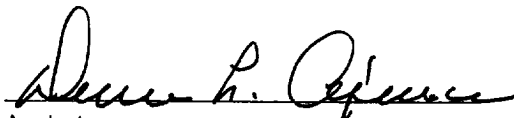
Client:	Conoco, Inc.	Project #:	707003
Sample ID:	SEP Grab	Date Reported:	04-02-99
Laboratory Number:	E940	Date Sampled:	04-01-99
Chain of Custody No:	6782	Date Received:	04-01-99
Sample Matrix:	Soil	Date Extracted:	04-02-99
Preservative:	Cool	Date Analyzed:	04-02-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.7	0.2
Diesel Range (C10 - C28)	0.6	0.1
Total Petroleum Hydrocarbons	2.3	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Federal C - 1. East Side, Taken 5' Out.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

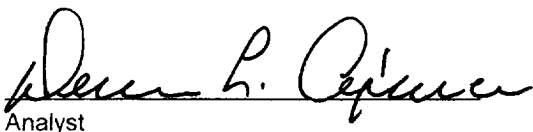
Client:	Conoco, Inc.	Project #:	707003
Sample ID:	SEP Grab	Date Reported:	04-02-99
Laboratory Number:	E941	Date Sampled:	04-01-99
Chain of Custody No:	6782	Date Received:	04-01-99
Sample Matrix:	Soil	Date Extracted:	04-02-99
Preservative:	Cool	Date Analyzed:	04-02-99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.7	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	0.7	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Federal C - 1. South Side, Taken 4' Outside.**


Analyst


Review

CHAIN OF CUSTODY RECORD

6782

Client / Project Name			Project Location			ANALYSIS / PARAMETERS				
CONOCO INC.			Federal C-1							
Sampler: J. Valdez			Client No. 97070-03							
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	BTX 8021	TPH 8015	OVM 886	READING	Remarks
SEP - Grab-CF	4-1-99	0843	E934	SOIL	1	✓	✓	886		
SEP - 4 PT. COM.	4-1-99	0904	E935	SOIL	1	✓	✓			
TDP - Grab-CF	4-1-99	0837	E936	SOIL	1	✓	✓	0		
TDP - 4 PT. COM.	4-1-99	0859	E937	SOIL	1	✓	✓			
SEP - 4 PT. COM.	4-1-99	0015	E938	SOIL - North wall	1	✓	✓	2		Taken 5' from pit
SEP Grab	4-1-99	0053	E939	SOIL - West side	1	✓	✓	1		Taken 10' from pit
SEP Grab	4-1-99	0055	E940	SOIL East side	1	✓	✓	8		Taken 5' out
SEP Grab	4-1-99	1050	E941	SOIL - South side	1	✓	✓	6		Taken 4' outside
Relinquished by: (Signature) J. Valdez			Date	Time	Received by: (Signature) Shirley Hunt					
Relinquished by: (Signature) Shirley Hunt			4/1/99	10:50am	Received by: (Signature) J. Valdez					
Relinquished by: (Signature)			4/1/99	12:25pm	Received by: (Signature)					

Sample Receipt			
Received Intact	Y	N	N/A
Cool - Ice/Blue Ice	✓		

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Conoco Inc.	Project #:	707003-156
Sample ID:	Landfarm	Date Reported:	06-14-00
Laboratory Number:	H457	Date Sampled:	06-09-00
Chain of Custody:	7875	Date Received:	06-12-00
Sample Matrix:	Soil	Date Analyzed:	06-14-00
Preservative:	Cool	Date Extracted:	06-13-00
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	32.9	1.7
Ethylbenzene	5.2	1.5
p,m-Xylene	10.7	2.2
o-Xylene	ND	1.0
Total BTEX	48.8	

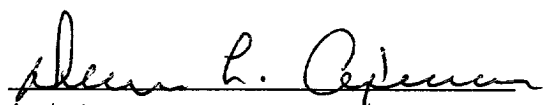
ND - Parameter not detected at the stated detection limit.

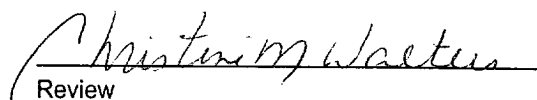
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	Bromofluorobenzene	100 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Federal C - 1.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

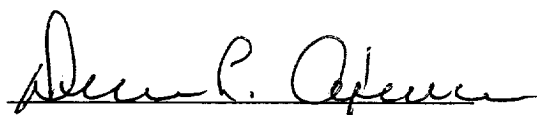
Client:	Conoco Inc.	Project #:	707003-156
Sample ID:	Landfarm	Date Reported:	06-14-00
Laboratory Number:	H457	Date Sampled:	06-09-00
Chain of Custody No:	7875	Date Received:	06-12-00
Sample Matrix:	Soil	Date Extracted:	06-13-00
Preservative:	Cool	Date Analyzed:	06-14-00
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

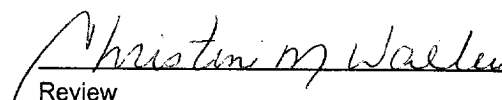
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	1.6	0.1
Total Petroleum Hydrocarbons	1.6	0.1

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Federal C - 1.**


Analyst


Review

7875

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615