01/-

District I	-		State Of	New Mexico		فها موالعواديو	and the second second		SUBMIT 1	COP	OT Y
P.O. Box 198	0, Hobbs, NM	Energy	, Minerals and Na	atural Resour	ces Depa	rtment			APPROP	(IATE	
District II	-						-01	RI	中国都	O FFI	ICE
P.O. Drawer,	Artesia, NM 882	211	OIL CONSE	RVATION DI	VISION	[6]	EC	التنا	AND 1 CC	yy T	0
District III	_		P.C	. Box 2088		1 ml	1111 All	h 2	641989 FE		
1000 Rio Bra	zos Rd. Aztec, N	IM 87410	Santa Fe, N	ew Mexico 87	7504-208	8 11/1	, Ho		(Revised	19 94)
		DIT DEME	BIATION	AND CI	OCUE	S- 6		<u>@</u> 5	M. DI		
		PII KEME	DIATION	AND CL	.0501	KE K	EPO	PI	ক্যা, গু		
Operator:	Conoco Inc.				Teleph	one: _	505-32	4-581	مسمور 3	و جدومتر	
Address:	3315 Bloomfie	eld Hwy - Far	mington, NM 8	7401		à	مهمله سنده بنسط عاد ،	•			
Facility Or:	Marron WN F	ed Com 1									
Well Name	Mattuli Win F	ed Com 1									
Location:	Unit or Qtr/Q	tr Sec	N	Sec 2	<u>7</u> T	27N	R	8W	County	San	ı Juan
Pit Type:	Separator	X	Dehydrator		Other	-	_				
Land Type:	BLM	_State	X Fee		Other	-					
Pit Location		Pit dimension:		length	21'	_	width	15'	depth		3'
(Attach diagram)		Reference:		wellhead	X		other				
		Footage from	reference:		90'						
		Direction from	reference:	50	Degree	es	X		East		North
						_		•	of		
						-		•	West	<u> </u>	South
Depth To G	round Water:				Less th	nan 50) feet		(20 point	==== s)	
(Vertical dis	tance from				50 feet	t to 9	feet		(10 point	s)	
contaminan	ts to seasonal				Greate	er thar	100 fe	et	(0 point	s)	
high water											
ground wate	er)								Total		0
Wellhead Pr	otection Area:				Yes	(20 pc	oints)				
(Less than 2	200 feet from a	private			No	(0 pc	oints)				
domestic wa	ater source, or;	less than							Total		0
1000 feet fr	om all other wa	ater sources)									
Distance To	Surface Water	r:			Less th	han 20	00 feet		(20 point	s)	(20 points)
(Horizontal	distance to per	ennial			200 fe	et to 1	1000 fe	et	(10 point	s)	(10 points)
	s, rivers, strear				Greate	er thar	1000	feet	(0 point	s)	(0 points)
irrigation ca	nals and ditche	es)							Total		0
					RANKI	ing so	ORE (1	ОТА	L POINTS):	0
							•		•		

Remediation Method: Excavation: Approx. cubic_yards (Check all appropriate sections) Landfarm Other Remediation Location: Onsite (ie. landfarmed onsite, name and location of offsite facility) General Description Of Remedial Action: Sample was taken at 3' below bottom of pit center. No PID reading was conducted on location. Sample were transported to laboratory for TPH analysis per EPA Method 8015 and for BTEX analysis per EPA Method 8015 and	Date Remediation Started: _				Date Comp	leted:	
Landfarm Other Comparison				_	Approx. cu	bic yards	
Other Remediation Location: Onsite Offsite (ie. landfarmed onsite, name and location of offsite facility) General Description Of Remedial Action: Sample was taken at 3' below bottom of pit center. No PID reading was conducted on location. Sample were transported to laboratory for TPH analysis per EPA Method 8015 and for BTEX analysis per EPA Me Method 8015 and for BTEX analysis per EPA Me Method 8015 and for BTEX analysis per EPA Me Method 8015 and for BTEX analysis per EPA Me Method 8015 and for BTEX analysis per EPA Me Method 8015 and for BTEX analysis per EPA Me Method 8015 and for BTEX analysis per EPA Me Method 8015 and for BTEX analysis per EPA Me Method 8015 and for BTEX analysis per EPA Me Method 8015 and for BTEX analysis per EPA Me Method 8015 and for BTEX analysis per EPA Me Method 8015 and for BTEX analysis per EPA Me Method 8015 and for BTEX analysis per EPA Me Method 8015 and for BTEX analysis per EPA Method 8015 and for BT	• • • •						
Remediation Location: Onsite Offsite (ie. landfarmed onsite, name and location of offsite facility) General Description Of Remedial Action: Sample was taken at 3' below bottom of pit center. No PID reading was conducted on location. Sample were transported to laboratory for TPH analysis per EPA Method 8015 and for BTEX analysis per EPA Me Method 8015 and for BTEX analysis per EPA Me Ground Water Encountered: No X Yes Depth Final Pit: Sample location Bottom of pit - center Closure Sampling: (if multiple samples attach sample Sample date 7/2/99 Sample time 11:00am locations and depths) Sample Results Benzene (ppm) < 0.025 Total BTEX (ppm) 0. Field headspace (ppm) Not Taken TPH 1.4 Ground Water Sample results)				_	Insitu Biore	emediation	
(ie. landfarmed onsite, name and location of offsite facility) General Description Of Remedial Action: Sample was taken at 3' below bottom of pit center. No PID reading was conducted on location. Sample were transported to laboratory for TPH analysis per EPA Method 8015 and for BTEX analysis per EPA Method 8015 and for B	'	Julei					
(ie. landfarmed onsite, name and location of offsite facility) General Description Of Remedial Action: Sample was taken at 3' below bottom of pit center. No PID reading was conducted on location. Sample were transported to laboratory for TPH analysis per EPA Method 8015 and for BTEX analysis per EPA Method 8015 and for B	Remediation Location:	Onsite		Offsite			
Offsite facility) General Description Of Remedial Action: Sample was taken at 3' below bottom of pit center. No PID reading was conducted on location. Sample were transported to laboratory for TPH analysis per EPA Method 8015 and for BTEX		S.I.Sicc		0113100			-
General Description Of Remedial Action: Sample was taken at 3' below bottom of pit center. No PID reading was conducted on location. Sample were transported to laboratory for TPH analysis per EPA Method 8015 and for BTEX analysis per EPA	name and location of						-
Sample was taken at 3' below bottom of pit center. No PID reading was conducted on location. Sample were transported to laboratory for TPH analysis per EPA Method 8015 and for BTEX analysis per EPA	offsite facility)						
Ground Water Encountered: No X Yes Depth Final Pit: Closure Sample location Bottom of pit - center Closure Samples Sample depth 3' attach sample results and diagram of sample Sample Meeter Sample Results Benzene (ppm) < 0.025 Total BTEX (ppm)	General Description Of Reme	edial Action:					
Fround Water Encountered: No X YesDepth	ample was taken at 3' belo	w bottom of pit	center. No I	PID readi	ng was conducte	d on location. Samples	
Sample location Bottom of pit - center Closure Sampling: (if multiple samples sample results and diagram of sample locations and depths) Sample date 7/2/99 Sample time 11:00am Sample Results Benzene (ppm) < 0.025 . 34/5 Total BTEX (ppm) 0. Field headspace (ppm) Not Taken TPH 1.4 Ground Water Sample: Yes No X (If yes, attach sample results)	were transported to laborate	ory for TPH anal	ysis per EPA	Method (3015 and for BTE	X analysis per EPA Method 80	20A
Sample location Bottom of pit - center Closure Sampling: (if multiple samples attach sample results and diagram of sample locations and depths) Sample date 7/2/99 Sample time 11:00am Sample Results Benzene (ppm) < 0.025 . 34/5 Total BTEX (ppm) 0. Field headspace (ppm) Not Taken TPH 1.4 Ground Water Sample: Yes No X (If yes, attach sample results)				···			
Final Pit: Closure Sampling: (if multiple samples attach sample results and diagram of sample locations and depths) Sample depth 3' Sample depth 5' Sample depth 7/2/99 Sample time 11:00am Sample Results Benzene (ppm) < 0.025 . 345 Total BTEX (ppm) 0. Field headspace (ppm) Not Taken TPH 1.4 Ground Water Sample: Yes No X (If yes, attach sample results)		·					
Final Pit: Closure Sampling: (if multiple samples attach sample results and diagram of sample locations and depths) Sample depth 3' Sample depth 5' Sample depth 7/2/99 Sample time 11:00am Sample Results Benzene (ppm) < 0.025 . 34'5 Total BTEX (ppm) 0. Field headspace (ppm) Not Taken TPH 1.4 Ground Water Sample: Yes No X (If yes, attach sample results)							
Final Pit: Closure Sampling: (if multiple samples attach sample results and diagram of sample locations and depths) Sample depth 3' Sample depth 7/2/99 Sample time 11:00am Sample Results Benzene (ppm) < 0.025 . 345 Total BTEX (ppm) 0. Field headspace (ppm) Not Taken TPH 1.4 Ground Water Sample: Yes No X (If yes, attach sample results)	Ground Water Encountered:	No	X	Yes	Depth		
Closure Sampling: (if multiple samples	Timal Dis.		Commit 1				
Sample depth 3' Sample depth 3' Sample results and diagram of sample occations and depths) Sample Results Benzene (ppm) < 0.025 . 345 Total BTEX (ppm) 0. Field headspace (ppm) Not Taken TPH 1.4 Ground Water Sample: Yes No X (If yes, attach sample results)			Sample lo	cation	Bottom of pit -	center	
Sample results and diagram of sample ocations and depths) Sample Results Benzene (ppm) < 0.025 . 3 \(\frac{5}{5} \) Total BTEX (ppm)							
Sample date 7/2/99 Sample time 11:00am ocations and depths) Sample Results Benzene (ppm) < 0.025 . 345 Total BTEX (ppm) Field headspace (ppm) Not Taken TPH 1.4 Ground Water Sample: Yes No X (If yes, attach sample results)	•		Sample de	epth		3'	
Sample Results Benzene (ppm) < 0.025 Total BTEX (ppm) 0. Field headspace (ppm) Not Taken TPH 1.4 Ground Water Sample: Yes No X (If yes, attach sample results)	·		Sample da	ate	7/2/99	Sample time 11:00am	
Benzene (ppm) < 0.025 . 345 Total BTEX (ppm) 0. Field headspace (ppm) Not Taken TPH 1.4 Ground Water Sample: Yes No X (If yes, attach sample results)	-		curripic de		112133	_ sample and 11.00am	
Total BTEX (ppm) Pield headspace (ppm) Not Taken TPH 1.4 Ground Water Sample: Yes NoX (If yes, attach sample results)	•		Sample Re	esults			
Total BTEX (ppm) 0. Field headspace (ppm) Not Taken TPH 1.4 Ground Water Sample: Yes No X (If yes, attach sample results)				Benze	ne (ppm)	< 0.025	
Field headspace (ppm) Not Taken TPH 1.4 Ground Water Sample: Yes No X (If yes, attach sample results)				Total	OTEV (mmm)		
TPH 1.4 Ground Water Sample: Yes NoX (If yes, attach sample results)				rotari	STEX (ppm)	<u> </u>	
Ground Water Sample: Yes NoX (If yes, attach sample results)				Field h	eadspace (ppm)	Not Taken	
Ground Water Sample: Yes NoX (If yes, attach sample results)				TDL	1 /		
				1111	1.9	<u>. </u>	
HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE REST	Ground Water Sample:	Yes	No	X	_ (If yes, atta	ach sample results)	
The state of the s	HEREBY CERTIFY THAT TH	E INFORMATIO	N ABOVE IS	TRUE AN	D COMPLETE TO	THE BEST	
OF MY KNOWLEDGE AND BELIEF)f my knowledge and be	LIEF					
DATE 8/13/99 PRINTED NAME Shirley L. Ebe	DATE	8/13/9	99		PRINTED N	AME Shirley L. Ebert	
SIGNATURE AND TITLE Field SHEAR Specialis	GIGNATURE /	who of I be	est		AND TITLE	Field SHEAR Specialist	
		70,000			_		

Lease Name:	Marron	WN	Fed	Com	
Federal/ India	n Lease No:	KM	036	04	
CA No.: 2	94001184	<u> </u>			
Unit:	N				
Legal Descrip	tion: Sect.	27	TP:2	7N	R: 8W
	in Juan,				

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

CHAIN OF CUSTODY RECORD

•	Cool - Ice/Blue Ice	615	(505) 632-0615			
1	Received Intact	way 64 exico 87401	5796 U.S. Highway 64 Farmington, New Mexico 87401			
Y N/A						
Sample Receipt	Sample	HINC	ENVIROTECH INC			
		Received by: (Signature)	Receiv			Helinquished by: (Signature)
76.95 10:60		mit Walt	1/8 0:0 /1/4	7.		Mental Manual Conglication of
-		Shurey Ebert	7/e/sq 8.00		1:K	delinguished by: (Signature)
Date Time		Received by: (Signature)	Date Time Receiv		110	Relinquished by (Signature)
						-
			8	F631	72-95 11.00x	Sep 1:+ 72
			Sample Matrix	Lab Number	Sample Sample Date Time	Sample No./ Sail Identification D.
		lo. of ataine	70700348	70	1.1	17
Remarks		rs		Client No.		Sampler:
	ANALYSIS / PAHAME I ERS	ANALTSIS	Com#1	Marrow Fen Com #		Conoco
	PADAMETERS			Project Location		Client / Project Name



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

0.2

Client:	Conoco	Project #:	70700348
Sample ID:	Sep Pit	Date Reported:	07-09-99
Laboratory Number:	F631	Date Sampled:	07-02-99
Chain of Custody No:	6969	Date Received:	07-06-99
Sample Matrix:	Soil	Date Extracted:	07-06-99
Preservative:	Cool	Date Analyzed:	07-08 - 99
Condition:	Cool and Intact	Analysis Requested:	8015 TPH
		Concentration	Det. Limit
Parameter		(mg/Kg)	(mg/Kg)
Gasoline Range (C5 - C	C10)	ND	0.2
Diesel Range (C10 - C	28)	1.4	0.1

ND - Parameter not detected at the stated detection limit.

References:

Diesel Range (C10 - C28)

Total Petroleum Hydrocarbons

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

1.4

SW-846, USEPA, December 1996.

Comments:

Marron Fed Com # 1.

Mister M Weles Review



EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC		Project #:		N/A
Sample ID:	07-08-TPH QA/QC		Date Reported:	07-09-99	
Laboratory Number:	F626		Date Sampled:	N/A	
Sample Matrix:	Methylene Chl	oride	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		07-08-99
Condition:	N/A		Analysis Reque	ested:	TPH
	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	06-17-99	1.1457E-001	1.1448E-001	0.08%	0 - 15%
Diesel Range C10 - C28	06-17-99	7.9565E-002	7.9438E-002	0.16%	0 - 15%
_					
Blank Conc. (mg/L - mg/Kg)		Concentration		Detection Limit	
Gasoline Range C5 - C10		ND		0.2	
Diesel Range C10 - C28		ND		0.1	
Total Petroleum Hydrocarbons		ND		0.2	
•					
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range	
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%	
Diesel Range C10 - C28	5.4	5.4	0.0%	0 - 30%	
-					
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	250	100%	75 - 125%
Diesel Range C10 - C28	5.4	250	255	100%	75 - 125%
<u>-</u>					

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:

QA/QC for samples F626 - F631.

Analyst Review



PINNACLE I.D.: 907036



GAS CHROMATOGRAPHY RESULTS

TEST

: EPA 8021 MODIFIED

CLIENT

: ENVIROTECH, INC.

PROJECT#

: 0707003

PROJECT NAME

: CONOCO

PROJECT	INAIVIL	. CONOCC					
SAMPLE				DATE	DATE	DATE	DIL.
ID. #	CLIENT I.D.		MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
08	SEP PIT/F631		NON-AQ	7/2/99	7/1/99	7/14/99	1
PARAME1	TER	DET. LIMIT		UNITS	SEP PIT/F631		
BENZENE		0.025		MG/KG	< 0.025		
TOLUENE	- -	0.025		MG/KG	< 0.025		
ETHYLBE	NZENE	0.025		MG/KG	< 0.025		
TOTAL X	YLENES	0.025		MG/KG	0.27		

SURROGATE:

BROMOFLUOROBENZENE (%)

92

SURROGATE LIMITS

(65 - 120)

CHEMIST NOTES:

N/A





GAS CHROMATOGRAPHY RESULTS REAGENT BLANK

TEST BLANK I. D. CLIENT PROJECT # PROJECT NAME	: EPA 8021 MODIF : 071499 : ENVIROTECH, IN : 0707003 : CONOCO		PINNACLE I.D. DATE EXTRACTED DATE ANALYZED SAMPLE MATRIX	: : : : :	907036 N/A * 7/14/99 NON-AQ
PARAMETER	U	INITS			
BENZENE	M	G/KG	<0.025		
TOLUENE	M	G/KG	<0.025		
ETHYLBENZENE	M	G/KG	<0.025		
TOTAL XYLENES	M	G/KG	<0.025		
SURROGATE:					
BROMOFLUOROBENZENE (%) SURROGATE LIMITS:	(80 - 120)		91		

CHEMIST NOTES:

^{* =} NO EXTRACTION REAGENT BLANK WAS PROVIDED WITH THE EXTRACTS TO THE LABORATORY. AN INSTRUMENT BLANK WAS REPORTED IN ITS PLACE.





GAS CHROMATOGRAPHY QUALITY CONTROL MSMSD

TEST

: EPA 8021 MODIFIED

MSMSD #
CLIENT
PROJECT #
PROJECT NAME

: 907036-03 * : ENVIROTECH, INC.

: 0707003 : CONOCO PINNACLE I.D. DATE EXTRACTED

UNITS

907036 7/1/99

DATE ANALYZED SAMPLE MATRIX 7/14/99 NON-AQ

MG/KG

	SAMPLE	CONC	SPIKED	%	DUP	DUP		REC	RPD
PARAMETER	RESULT	SPIKE	SAMPLE	REC	SPIKE	% REC	RPD	LIMITS	LIMITS
BENZENE	<0.025	1.00	0.95	95	0.92	92	3	(68 - 120)	20
TOLUENE	< 0.025	1.00	1.00	100	0.99	99	1	(64 - 120)	20
ETHYLBENZENE	<0.025	1.00	1.06	106	1.03	103	3	(49 - 127)	20
TOTAL XYLENES	<0.025	3.00	2.96	99	2.92	97	1	(58 - 120)	20

CHEMIST NOTES:

% Recovery =	(Spike Sample Resu	ult - Sample Result) X 100					
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Spike Concentration						
	. 5.77	(Sample Result - Duplicate Result)	V 400				
RPD (Relative Pe	ercent Difference) =	Average Result	X 100				

^{* =} NO EXTRATION QC WAS PROVIDED TO THE LABORATORY WITH THE EXTRACTS. AN EXTRACT WAS SELECTED AND SPIKED AT THE INSTRUMENT.