OV

District I				State Of	New Mexic	```				SUBMIT 1	COF	 ,∨ T∩	
P.O. Box 198	- i0. Hobbs, !	NM	Energy. N	State Of Minerals and Na			partme	~ CI[M	E HADPE			
District II	3,	•••	_ g,,	THORAGE COLORS	iluiai i ico	11000 Z.	以目		Ŋ (J	DISTRICT	055	ICE	
P.O. Drawer,	- Artesia, NI	M 882	:11	OIL CONSE	RVATION	Noisivia	17 173	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	٨ ١٩	DISTRICT	νΡΥ Τ	.O	i
District III). Box 2088		UU			~ 77 DMG A78 1 F F	_ ()	-11'1	
1000 Rio Braz	zos Rd. Az	tec, N	M 87410	Santa Fe, Ne			0881	n 12(0)	Mo	Hevised 3	 3/9/94	.)	
								P GA	3To	<u> ક</u> ે	·	,	١
			PIT REMED	<u>NOITAIC</u>	AND C	LOSL	JRE	REPO	RT		<u>. </u>		
Operator:	Conoco I	Inc.				Tele	phone:	505-32	4-581	13			
Address:	3315 Blo	omfie ^l	eld Hwy - Farmi	ington, NM 8	7401	.			_		<u> </u>		
Facility Or:	Helen Jac	ckson	12						<u></u>				
Well Name	Halt or C	/O+				-			~111				
Location:	Unit or Q	įtr/Qu	r Sec	A	_Sec _	<u>33</u> T	291	<u> </u>	<u>9w</u>	County	San) Juan	
Pit Type:	Separato)r		Dehydrator		Othe	:r	BDP					
Land Type:	BLM	X	State	_ Fee		Othe	:r						
Pit Location: (Attach diagi			Pit dimension:		length	20'	·	width	20'	depth		3	; '
(Million will)	um		Reference:		wellhead	x	_	other					
			Footage from ref	ference:		10	ı 		-				ļ
			Direction from re	eference:	10	Degr	ees	Х		East	_X	North	
									• 	of West		South	
Depth To Gro						Less	than 5	0 feet		(20 points			
(Vertical dist						50 fe	et to 9	feet		(10 points	5)		
contaminants						Grea	ter tha	ın 100 fe	et	(0 points	5)		
high water e		ı f											
ground wate	r)									Total	•	0)
Wellhead Pro						Yes	(20 p	oints)					
(Less than 20						No	(0 t	oints)					
domestic wat										Total		0)
1000 feet fro	m all othe	er wat	er sources)										
Distance To S								00 feet		(20 points	-	(20 pc	oints)
(Horizontal d								1000 fee		(10 points	-	(10 pc	1
lakes, ponds, irrigation can						Great	er tha	n 1000 f	eet	(0 points	;)	(0 pc	oints)
·····		,	,							Total		0	1
						RANK	ING S	CORE (T		POINTS):	:	0	
								-		-	-		

Date Remediation Started:		Date Completed:					
Remediation Method:		Approx. cubic yards					
(Check all appropriate sect	•						
	Landfarm		-	Insitu Bior	remediation		
	Other						
Romodintion Logatics	Oncito		Officito				
Remediation Location: (ie. landfarmed onsite,	Onsite		Offsite				
name and location of							
offsite facility)							
General Description Of Ren	nedial Action:						
Sample was taken at 3' be		enter. No PI	D readin	g was conducte	ed on location. Samples		
			_		EX analysis per EPA Method 8020A		
Ground Water Encountered	d: No	X	_Yes	Depth			
Final Pit:		Sample loca	ition	Bottom of pit	- center		
Closure Sampling:		campic locc		Doctorn of pic	30.1.0.		
(if multiple samples		Sample dep	nth		3'		
attach sample results		эвтіріс аср					
and diagram of sample		Sample date	€	7/9/99	Sample time 2:30pm		
locations and depths)		Commelle					
		Sample Res		ne (ppm)	0.211		
			ייכווצפון	ic (hhiii)	U.Z11		
			Total B	TEX (ppm)	1.83		
			Field he	eadspace (ppm	n) Not Taken		
			TPH	87	7.6		
Ground Water Sample:	Yes	No	X	(If yes, at	ttach sample results)		
I HEREBY CERTIFY THAT OF MY KNOWLEDGE AND		N ABOVE IS T	RUE ANI	D COMPLETE T	O THE BEST		
DATE	8/13/9	9		PRINTED	NAME Shirley L. Ebert		
SIGNATURE	Wille & I Proces				LE Field SHEAR Specialist		
	newy / exercit				o.o or its in openium.		

ш

Lease Name: HELEN JACKSON TO Operator LC Bob William Date: (Indicate North)

79 NI - 9/11 - 23

Lease Na	ime: 🔃	telen J	ackson	2	
			5F 0		
CA No.:	NA				
Unit:	Α				
Legal De	scription	1: Sec	t: 33	TP: 29 N	R:9W_
County:	San	Juan.	NM		

Load line valves: Sealed during Production

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

Drain line valves : Sealed during Production

Production Line valve: Sealed during sales

CHAIN OF CUSTODY RECORD

		 	}	,	, , ,	 , 	 				
	Refinquished by: (Signaterre)	Reinquished by: (Signature)	Relinquished by: (Signature)					BDP	Sample No./	Sampler:	Client / Project Name
	6		ire)					7.7.89	Sample Date		
								2:30/-	Sample Time		
	n	7						F690	Lab Number	707003-	Project Location Heler JACK SON # 2
5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615	Received by: (Signa	15-99/4/7 Reger	Time		10.000				Sample Matrix	059	Soul #2
hway 64 Mexico 8	Received by: (Signature)	Agceived by: (Signature)	lived by: (Si					_		o. of tainers	
7401	gnature)	gnature	ignature)					7	TP+ Bt		
	6								011		ANA
										-	ANALYSIS / PARAMETERS
Received Intact	Sample Receipt	72 2									AAMETERS
(< z	Receipt	7.15.95 /003								Remarks	
N A		2007	Time								



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Conoco	Project #:	707003-059
Sample ID:	BDP	Date Reported:	07-22-99
Laboratory Number:	F690	Date Sampled:	07-09-99
Chain of Custody:	6973	Date Received:	07-15-99
Sample Matrix:	Soil	Date Analyzed:	07-22-99
Preservative:	Cool	Date Extracted:	07-16-99
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	.211	8.8
Toluene	789	8.4
Ethylbenzene	87.1	7.6
p,m-Xylene	595	10.8
o-Xylene	146	5.2
Total BTEX	1,830	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Reco	overy
	Trifluorotoluene Bromofluorobenzene	99 99	, ,,

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:

Helen Jackson #2.

Solem L. Gleecen

Stacy W Sendler



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Detection Limits (ug/L)	Client: Sample ID: Laboratory Number: Sample Matrix: Preservative: Condition:	N/A 07-22-BTEX-PM Q/ F690 Soil N/A N/A	4/QC	Project #: Date Reported: Date Sampled: Date Received: Date Analyzed: Analysis:		N/A 07-22-99 N/A N/A 07-22-99 BTEX
Detection Limits (ug/L)	Calibration and	I-Cal RF:	C-Cal RF:	%Diff.	Blank	Detect.
Toluene 1.2824E-001 1.2847E-001 0.2% ND 0.2 Ethylbenzene 1.3900E-001 1.3930E-001 0.2% ND 0.2 p.m-Xylene 1.5156E-001 1.5194E-001 0.3% ND 0.2 Duplicate Conc. (ug/Kg) Sample Duplicate %Diff. Accept Range Detect 789 753 4.5% 0 -30% 8. Ethylbenzene 789 753 4.5% 0 -30% 8. Ethylbenzene 789 753 4.5% 0 -30% 8. Ethylbenzene 787.1 83.3 4.4% 0 -30% 7. p,m-Xylene 795 570 4.3% 0 -30% 10 o-Xylene 146 140 3.8% 0 -30% 5. Spike Conc. (ug/Kg) Sample Amount Spiked Spiked Sample % Recovery Accept Range Detect 789 759 5.00 837 100% 46 - 200 837 100% 40 - 200 837 100% 40 - 200 837 100% 40 - 200 837 100% 40 - 200 837 100% 40 - 200 837 100% 40 - 200 837 100% 40 - 200 837 100% 40 - 200 837 100% 40 - 200 837 100% 40 - 200 837 100% 40 - 200 837 100% 40 - 200 837 100% 40 - 200 837 100% 40 - 200 837 100% 40 - 200 837 100% 40 - 200 837 100% 40 - 200 837 100% 40 - 200 837 100			Accept. Ran	ge 0 - 15%	Conc	Limit
Toluene 1.2824E-001 1.2847E-001 0.2% ND 0.2 Ethylbenzene 1.3900E-001 1.3930E-001 0.2% ND 0.3 p,m-Xylene 1.5156E-001 1.5194E-001 0.3% ND 0.3 c-Xylene 1.3670E-001 1.3693E-001 0.2% ND 0.3 Duplicate Conc. (ug/Kg) Sample Duplicate %Diff. Accept Range Detect 789 753 4.5% 0 - 30% 8. Ethylbenzene 789 753 4.5% 0 - 30% 8. Ethylbenzene 87.1 83.3 4.4% 0 - 30% 7. p,m-Xylene 595 570 4.3% 0 - 30% 10 c-Xylene 146 140 3.8% 0 - 30% 5. Spike Conc. (ug/Kg) Sample Amount Spiked Spiked Sample % Recovery Accept 8. Spike Conc. (ug/Kg) Sample Amount Spiked Spiked Sample % Recovery Accept 7. Spike Conc. (ug/Kg) Sample Amount Spiked Spiked Sample % Recovery Accept 7. Spike Conc. (ug/Kg) Sample Amount Spiked Spiked Sample % Recovery Accept 7. Spike Conc. (ug/Kg) Sample Amount Spiked Spiked Sample % Recovery Accept 7. Spike Conc. (ug/Kg) Sample 5. Spike Conc. (ug/Kg) Sample 6. Spike Conc. (ug/Kg) Sample 6. Spike Conc. (ug/Kg) Sample 6. Spike Conc. (ug/Kg) Sample 7. Spike Conc. (ug/Kg) Sample 7. Spike Conc. (ug/Kg) Sample 8. Spike Conc. (ug/Kg) Sa	Renzene	3.8394E-001	3.8487E-001	0.2%	ND	0.2
Ethylbenzene 1.3900E-001 1.3930E-001 0.2% ND 0.2% p,m-Xylene 1.5156E-001 1.5194E-001 0.3% ND 0.3% o-Xylene 1.3670E-001 1.3693E-001 0.2% ND 0.3% Duplicate Conc. (ug/Kg) Sample Duplicate %Diff. Accept Range Detect Benzene 211 203 4.0% 0 - 30% 8. Toluene 789 753 4.5% 0 - 30% 8. Ethylbenzene 87.1 83.3 4.4% 0 - 30% 7. p,m-Xylene 595 570 4.3% 0 - 30% 10 o-Xylene 146 140 3.8% 0 - 30% 5. Spike Conc. (ug/Kg) Sample Amount Spiked Spiked Sample % Recovery Accept Benzene 211 50.0 261 100% 39 - Toluene 789 50.0 837 100% 46 - Ethylbenzene 87.1 5			1.2847E-001	0.2%	ND	0.2
p,m-Xylene o-Xylene 1.5156E-001 1.5194E-001 0.3% ND 0.5 o-Xylene 1.3670E-001 1.3693E-001 0.2% ND 0.5 o-Xylene 1.50.0 261 100% 39-5 o-Xylene 1.50.0 137 100% 32-6 o-Xylene 1			1.3930E-001	0.2%	ND	0.2
o-xylene 1.3670E-001 1.3693E-001 0.2% ND 0.3 Duplicate Conc. (ug/Kg) Sample Duplicate %Diff. Accept Range Detect Benzene 211 203 4.0% 0 - 30% 8. Toluene 789 753 4.5% 0 - 30% 8. Ethylbenzene 87.1 83.3 4.4% 0 - 30% 7. p,m-Xylene 595 570 4.3% 0 - 30% 10 o-Xylene 146 140 3.8% 0 - 30% 5. Spike Conc. (ug/Kg) Sample Amount Spiked Spiked Sample % Recovery Accept Benzene 211 50.0 261 100% 39 - Toluene 789 50.0 837 100% 46 - Ethylbenzene 87.1 50.0 137 100% 32 - Ethylbenzene 87.1 50.0 137 100% 32 -	_		1.5194E-001	0.3%	ND	0.2
Benzene 211 203 4.0% 0 - 30% 8. Toluene 789 753 4.5% 0 - 30% 8. Ethylbenzene 87.1 83.3 4.4% 0 - 30% 7. p,m-Xylene 595 570 4.3% 0 - 30% 10 o-Xylene 146 140 3.8% 0 - 30% 5. Spike Conc. (ug/Kg) Sample Amount Spiked Spiked Sample Recovery Accept Benzene 211 50.0 261 100% 39 - Toluene 789 50.0 837 100% 46 - Ethylbenzene 87.1 50.0 137 100% 32 -	• •	1.3670E-001	1.3693E-001	0.2%	ND	0.1
Toluene 789 753 4.5% 0 - 30% 8. Ethylbenzene 87.1 83.3 4.4% 0 - 30% 7. p,m-Xylene 595 570 4.3% 0 - 30% 10 o-Xylene 146 140 3.8% 0 - 30% 5. Spike Conc. (ug/Kg) Sample Amount Spiked Spiked Sample % Recovery Accept 595 50.0 837 100% 39 - Toluene 789 50.0 837 100% 46 - Ethylbenzene 87.1 50.0 137 100% 32 - 50.0 837 100%	Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Ethylbenzene 87.1 83.3 4.4% 0 - 30% 7. p,m-Xylene 595 570 4.3% 0 - 30% 10 o-Xylene 146 140 3.8% 0 - 30% 5. Spike Conc. (ug/Kg) Sample Amount Spiked Spiked Sample % Recovery Accept Benzene 211 50.0 261 100% 39 - Toluene 789 50.0 837 100% 46 - Ethylbenzene 87.1 50.0 137 100% 32 -	Benzene	211	203			8.8
Ethylbenzene 595 570 4.3% 0 - 30% 10 o-Xylene 146 140 3.8% 0 - 30% 5. Spike Conc. (ug/Kg) Sample Amount Spiked Spiked Sample % Recovery Accept Benzene 211 50.0 261 100% 39 - Toluene 789 50.0 837 100% 46 - Ethylbenzene 87.1 50.0 137 100% 32 -	Toluene	789				8.4
Spike Conc. (ug/Kg) Sample Amount Spiked Spiked Sample % Recovery Accept Benzene 211 50.0 261 100% 39 - Toluene 789 50.0 837 100% 46 - Ethylbenzene 87.1 50.0 137 100% 32 -	Ethylbenzene					7.6
Spike Conc. (ug/Kg) Sample Amount Spiked Spiked Sample % Recovery Accept Benzene 211 50.0 261 100% 39 - Toluene 789 50.0 837 100% 46 - Ethylbenzene 87.1 50.0 137 100% 32 -	p,m-Xylene					10.8
Benzene 211 50.0 261 100% 39 - Toluene 789 50.0 837 100% 46 - Ethylbenzene 87.1 50.0 137 100% 32 -	o-Xylene	146	140	3.8%	0 - 30%	5.2
Toluene 789 50.0 837 100% 46 - Ethylbenzene 87.1 50.0 137 100% 32 -	Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Toluene 789 50.0 837 100% 46 - Ethylbenzene 87.1 50.0 137 100% 32 -	Renzene	211	50.0	261	100%	39 - 150
Ethylbenzene 87.1 50.0 137 100% 32 -			50.0	837	100%	46 - 148
Ethylberizene				137	100%	32 - 160
	=					46 - 148
	p,m-Xylene					46 - 148

ND - Parameter not detected at the stated detection limit.

References:

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

December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments:

QA/QC for samples F690 - F692, F694 and F696. Stacy W Sendler



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

BDP F690 6973 Soil	Date Reported: Date Sampled: Date Received: Date Extracted:	707003-059 07-19-99 07-09-99 07-15-99 07-16-99
Cool Cool and Intact	Date Analyzed: Analysis Requested:	07-19-99 8015 TPH
	BDP F690 6973 Soil Cool	F690 Date Sampled: 6973 Date Received: Soil Date Extracted: Cool Date Analyzed:

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.3	0.2
Diesel Range (C10 - C28)	86.3	0.1
Total Petroleum Hydrocarbons	87.6	0.2

ND - Parameter not detected at the stated detection limit.

References:

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

SW-846, USEPA, December 1996.

Comments:

Helen Jackson #2.

Analyst P. Gierre

Stacy W Sendler