<u>District I</u> 1625 N French Dr , Hobbs, NM 88240 District II
1301 W Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S St Francis Dr , Santa Fe, NM 87505

#### State of New Mexico **Energy Minerals and Natural Resources**

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-141 Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action												
30-0	39-	29990	7			<b>OPERA</b>	<b>TOR</b>		Initia	ıl Report	$\boxtimes$	Final Report
Name of Co	mpany: X	TO Energy,	Inc			Contact: Logan Hixon						
<del></del>		00, Aztec, N				Telephone No.: (505) 333-3683 Facility Type: Gas Well (Dakota)						
Facility Nan	ne: Breech	F #2 (API 3	0-039-2	9999)		racility Typ	e: Gas Well (Da	акота)				
Surface Ow	ner: Feder	al		Mineral O	wner:	· · ·			Lease N	io.: NMNN	<u>10354</u> ′	7
						OF REI						
Unit Letter Section Township Range Feet from the Nort C 33 27 N 6 W 785					South Line FNL	Feet from the 1485	1	Vest Line WL	County Rio Arriba			
<u> </u>				Latitude: N36.				·				
				NAT	URE	OF RELI	EASE					
Type of Relea							Release: 5 bbl			ecovered. N		
Source of Rel	ease: Produ	iction Tank (c	ondensate	e)		Date and H Unknown	our of Occurrenc	e:	Date and 1 2/28/2012	Hour of Disc	covery.	·
Was Immedia	te Notice C	iven?				If YES, To	Whom?					
			Yes [	No 🖾 Not Re	quired				K(	CVD MAR (	5 IZ	
By Whom?		1 10				Date and H		1 177	Ŋ	II CONS.	DAU.	
Was a Watero	course Reac		Yes 🗵	] No		If YES, Vo	lume Impacting t	ne wate	ercourse	DIST. S	}	
If a Watercou								_				
Describe Are: On February: that TPH was of the bottom Excavation co ppm organic returned result the 4 walls an	Describe Cause of Problem and Remedial Action Taken.*  On February 23, 2012 it was reported that the production tank on site had minor leak near base of the tank. Approximately 5 bbl's of oil and water was released. The discolored area was located in the eastern area inside the containment area. The site was then ranked pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills, and Releases. The NMOCD ranking for this site is a 10 due to a distance of less than 1000' to a dry arroyo. This set the closure standard to 1000 ppm TPH, 50 ppm BTEX, 10 ppm benzene or 100 ppm organic vapors.  Describe Area Affected and Cleanup Action Taken.*  On February 29, 2012, excavation activities began to remove the impacted soils from the contaminated area. Initial auger analysis showed that at a 6" level that TPH was 2,470 ppm and BTEX was 59.4 ppm. Excavation continued until the extents were approximately 15'x 4' x 1' deep. At this point a composite of the bottom was taken. The sample was analyzed for organic vapors in the field using a PID. The sample returned results of 3300 ppm organic vapors Excavation continued to the depth of 1.5' where another composite sample was collected and was analyzed with a PID. The sample returned results of 504 ppm organic vapor. At this point the excavation continued to the extent of 17' x 5.5' x 3.5', where a composite sample was taken of the 4 walls and the bottom, the sample was then analyzed for organic vapors using a PID. The sample returned results of 63 ppm organic vapors. The											
below the reg Indústrial Eco back into ope	ulatory limiosystems Increase and a line of the contraction All a	its determined c land farm for applicable And	for this s or disposa alytical Re	and sent for laborative No further exc lesse attached Bilisesults and Field No	avation Is of Lar otes are	is required Anding. The exattached for y	Approximately 20 cavation will be brown reference	cubic y packfille	vards of imped using cle	acted soil wan soil and s	as hau	led to
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.												
Signature.	loa	11.	_				OIL CONS	SERV	ATION	DIVISIC A	<u>N</u>	
				Approved by	District Supervise	or \	Broth	n Kel				
Title Environ	mental Tec	hnician				Approval Dat	e: 3/21/201	2/	Expiration	Date.	$\bigvee$	
E-mail Addre	ss: Logan_	Hixon@xtoen	ergy com		(	Conditions of	Approval.			Attached		
Date 3/6/20	Date 3/6/2012 Phone: 505-333-3683											



### XTO Energy On-Site Form

Well Name 13 reech F # 2	API# 30-039-29999
Section 33 Township 27 Range	6 County Rio Airiba
Contractors On-Site N/A	Time On-Site 7: 150 Time Off-Site 3: 350
Spill Amount 5 bbls Spilled (O) / Product	ed Water/ Other)
Land Use ( Grazing) Residential / Tribe	) Excavation x deep
Site Diagram	Sample Location  Sample Location
Comments	Number of Photos Taken
Samples	Hamber of Friedo Taxon
	Characteristics OVM (ppm) Analysis Requested
NA 100 Standard	NA NA NA
JIZSD A Compatte Bu	-n Clay 6 361 - SC15, ECZ/ e 162 114 114 114 - SOIS, EXT21
D 63 P / / / / / / / / / / / / / / / / / /	r 163 114 Kill
Name (Print) Logan Hikan  Name (Signature) Joyu H	Date Z-ZJ-/Z



### **EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons**

Client:	XTO	Project #:	98031-0528
Sample ID <sup>.</sup>	6" Composite	Date Reported:	02-24-12
Laboratory Number:	61217	Date Sampled:	02-23-12
Chain of Custody No:	13466	Date Received <sup>1</sup>	02-23-12
Sample Matrix:	Soil	Date Extracted:	02-24-12
Preservative:	Cool	Date Analyzed:	02-24-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1,620	0.2
Diesel Range (C10 - C28)	848	0.1
Total Petroleum Hydrocarbons	2,470	

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:

Breech F #2

Ph (505) 632-0615 Fx (505) 632-1865



### EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	XTO	Project #:	98031-0528
Sample ID <sup>.</sup>	1.5' Composite	Date Reported:	02-24-12
Laboratory Number:	61218	Date Sampled:	02-23-12
Chain of Custody No:	13466	Date Received:	02-23-12
Sample Matrix:	Soil	Date Extracted:	02-24-12
Preservative:	Cool	Date Analyzed:	02-24-12
Condition:	Intact	Analysis Requested:	8015 TPH

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

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:

Breech F #2

Analyst

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301



### EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

#### **Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	0224TCAL QA/QC	Date Reported:	02-24-12
Laboratory Number:	61205	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-24-12
Condition <sup>.</sup>	N/A	Analysis Requested:	TPH

	I-Cal Date	LCal RF.	C-Cal RF.	% Difference	Accept Range
Gasoline Range C5 - C10	02-24-12	9.9960E+02	1.0000E+03	0.04%	0 - 15%
Diesel Range C10 - C28	02-24-12	9.9960E+02	1.0000E+03	0.04%	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	

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference.	Accept Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spiké Result	% Recovery	Accept Range
Gasoline Range C5 - C10	ND	250	283	113%	75 - 125%
Diesel Range C10 - C28	ND	250	275	110%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References<sup>1</sup>

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

SW-846, USEPA, December 1996.

Comments:

QA/QC for Samples 61205 and 61217-61218

Analyst

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865



# EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

			Det.
		Dilution:	10
Condition.	Intact	Analysis Requested:	BTEX
Preservative:	Cool	Date Extracted:	02-24-12
Sample Matrix.	Soil	Date Analyzed <sup>-</sup>	02-24-12
Chain of Custody:	13466	Date Received:	02-23-12
Laboratory Number:	61217	Date Sampled:	02-23-12
Sample ID:	6" Composite	Date Reported:	02-24-12
Client:	хто	Project #:	98031-0528

Parameter	Concentration (ug/Kg)	Limit (ug/Kg)	
Benzene	1,360	10.0	
Toluene	17,800	10.0	
Ethylbenzene	4,880	10.0	
p,m-Xylene	25,600	10.0	
o-Xylene	9,800	10.0	
Total BTEX	59,400		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.3 %
	1,4-difluorobenzene	97.3 %
	Bromochlorobenzene	101 %

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:

Breech F #2

5796 US Highway 64, Farmington, NM 87401

Analyst

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301





# EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

		Dilution:	10
Condition:	Intact	Analysis Requested:	BTEX
Preservative:	Cool	Date Extracted:	02-24-12
Sample Matrix:	Soil	Date Analyzed:	02-24-12
Chain of Custody:	13466	Date Received <sup>-</sup>	02-23-12
Laboratory Number:	61218	Date Sampled:	02-23-12
Sample ID:	1.5' Composite	Date Reported:	02-24-12
Client:	OTX	Project #:	98031-0528

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)			
Benzene	ND	10.0			
Toluene	224	10.0			
Ethylbenzene	45.6	10.0			
p,m-Xylene	629	10.0			
o-Xylene	145	10.0			

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery						
	Fluorobenzene	97.2 %						
	1,4-difluorobenzene	102 %						
	Bromochlorobenzene	100 %						

1,040

References:

**Total BTEX** 

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:

Breech F #2

Analyst ' 5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879

envirotech inc.com laboratory@envirotech inc.com



# EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A		oject #:	N/A							
Sample ID:	0224BCAL QA/QC		ate Reported.								
Laboratory Number:	61205		ate Sampled:	N/A							
Sample Matrix:	Soil		ate Received:	N/A	-						
Preservative:	N/A		ate Analyzed:	02-24-12							
Condition:	N/A		nalysis <sup>,</sup>	BTEX							
	THERETON OF CASCANING MY OF THE VINEY		lution:	10 משתה יות אונים אונים	na premar ipolaria						
Calibration and	to proper the first the state of the first that the contract of the state of the st	Cal RF:	The Charles of Error of	Blank	Detect.						
Detection Limits (ug/L)	Accel	of Range 0-15%	REPORT TRO	Conc	Limit 439						
Benzene	49.8	49.9	0.002	ND	1						
Toluene	49.9	50.0	0.002	ND	1						
Ethylbenzene	50.3	50.4	0.002	ND	1						
p,m-Xylene	99 5	99.7	0.002	ND	1						
o-Xylene	49.9	50.0	0.002	ND	1						
Benzene Toluene Ethylbenzene p,m-Xylene o-Xylene	Sample ND ND ND ND 72.5 21.2	ND ND ND 40.4 11.4	0.0 0.0 0.0 0.0 0.4 0.5	0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30%	10 10 10 10 10						
Spike Conc. (ug/Kg)	Sample	ount Spilked S	Spiked Sampje	% Recovery	Accept Range						
Benzene	ND	500	505	101	39 - 150						
Toluene	ND ND	500 500	505	101 101	39 - 150 46 - 148						
Toluene Ethylbenzene	ND	500	505	101	46 - 148						
Toluene	ND ND	500 500	505 532	101 106	46 - 148 32 - 160						

ND - Parameter not detected at the stated detection limit.

Dilution Spike and spiked sample concentration represent a dilution proportional to sample dilution.

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 61199, 61205 and 61217-61218

Analyst

Review

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

## CHAIN OF CUSTODY RECORD

Client: XTO		.	oject Name / Locat	ion: F # 6	<del></del>							Α	NAL	YSIS	/ PAF	MAF	ETEF	RS		_	
Email results to: James /	c Larie	Sa	mpler Name: . [	1					Ē	<u> </u>							Ţ				<u> </u>
Client Phone No.:	10/10/3	U.COM C	ogan H	IXON				015	805	3260											
Client Phone No.:	<del>Cury</del>	Cli	ent No.:				g g	일	bo	stals	lo		H/P	910-1						덩	
			98031-	-0528			Meth	(Met	Meth	Ø Ø	/ An		with	6 elq	(418.1)	RIDE				e Cool e Intac	
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	—-	reserva HCI	tive	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anıon	RCI	TCLP with H/P	CO Table	трн (	CHLORIDE				Sample Cool Sample Intact
6 Composite	2/03/12	370	101217	1/402			×	X	$\times$												YX
1.5 Composite	2/23/12	325	61218	1/402			X	X	X											1	XX
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Relinquished by: (Signature)		/	<u> </u>	Date Time	Rece	ived b	y: (Şi	ignatu	ure)		!		1						Da	- 1	Time
116				Date Time	J	M	U		100	M	W	/							223	-12	4:55
Relinquished by: (Signature)					Recei	ived b	y: (Si	ignatı	ıre)		(	)									
Sample Matrix																					
Soil Solid Sludge	Aqueous 🗌	Other 🗌																			ĺ
Sample(s) dropped off after the Sample (s) dropped off after the S	#	·	area.		alytic	al La	bord	atory	<b>,</b>	ırang	o, C(	D 813	01 • (	abore	atory(	@env	rotec	ch-inc	.com		



### XTO Energy On-Site Form

Section 1 Township 77 Range County & Accieca  Contractors On-Site 1 Time On-Site 1 Time Off-Site  Spill Amount 5 bbls Spilled (Sil/Produced Water) Other	Well Nam	e Bree	ch F#2	API a	# <u>Jo-01</u>	7-29999
Site Diagram  Si	Section_	13	Township 7 R	ange Co	ounty <u>Pro</u>	Acrien
Site Diagram  Site Diagram  Site Diagram  Site Diagram  Site Mad Signification of Size was 17 x 5 1/2 Sample Location  Sample Location  Sample Bample # Sample Description Characteristics OVM (ppm) Analysis Requested  NA 100 Standard NA 10	Contracto	ors On-Site_	Tpc	Time On-Site_	Time	e Off-Site
Site Diagram  Site Diagram  Site Diagram  Site Diagram  Site Mad Signification  Sample Location  Sample Location  Sample Sample # Sample Description Characteristics OVM (ppm) Analysis Requested  NA 100 Standard NA NA NA NA 100 Standard NA	Spill Amo	unt <u>5</u>	bbls Spilled ( 6il / Pri	oduced Water Other_		)
Site Diagram  Site Diagram  Site Diagram  Site had Side Affill, halk Size was 17 x 5 1/2 Sample Location  Site had Side Affill, halk Size was 17 x 5 1/2 X31/2  Sample Location  Note had Side Affill, halk Size was 17 x 5 1/2 X31/2  Sample Location  Note had Side Affill, halk Size was 17 x 5 1/2 X31/2  Number of Photos Taken  Note had Side Affill Size was 17 x 5 1/2 X31/2  Number of Photos Taken  Note had Size had been size was 17 x 5 1/2 X31/2  Note had Size had been size was 17 x 5 1/2 X31/2  Note had Size had Size had been size had been size had size had been size had siz	Land Use	( Grazing)/	Residential / Tribe	) Excavation	17' x 51	z x <u>3/2</u> deep
Samples  Time Sample # Sample Description Characteristics OVM (ppm) Analysis Requested  NA 100 Standard NA NA  NA NA  100 Standard NA NA  N	Site Diag	ram had 56			Sample Local X X X X X X X X X X X X X X X X X X X	ation  X  X  X
Time Sample # Sample Description Characteristics OVM (ppm) Analysis Requested  NA 100 Standard NA NA  NA 100 Standard NA	Commen	63. of	s of composite	المالية في المالية الم	Number of F	Photos Taken
NA	Sample	es				
11/5 SP+ Composite 1000 Std brown clay 53 9015,802/ 12:00 Spt 1' Composite 1000 std brown clay 5300 pro 12:18 Spt 15 composite 1000 std brown clay 504 pro 17:113 Spt 7' composite 1000 std brown clay 504 pro	Time	Sample #	Sample Description	Characteristics	OVM (ppm)	Analysis Requested
12.00 S.D.F. Composite 1000 std brawn clay 3300 pro 12.18 S.D.F.Z. Composite 1000 std brawn clay 504 pro 17.13 S.D.F.Z. Composite 1000 std brawn clay 504 pro	11.115				1,	
17:43 Set 7 composite looked brown clair 504 pid						
17:43 Set 7' composite looksta brown clay soy pro					14000	1 U . 1
Name (Print) Logar Hiton Date 2-29-12  Name (Signature) Jour Ho Company #6	1, 1	1341	CAMPOSIAC 1000 310	EL COULT CION	1 301	
Name (Print) Logan 1/1kon Date 2-29-12  Name (Signature) Jan H. Company 1/10						
Name (Print) Logar Hiton Date 2-29-12  Name (Signature) Journ Ho Company #6						
Name (Signature) 14 Company #10	Name (Pr	rint) Loga	an Hikon		Date_ 2 - 24	1-12
•	Name (Si	gnature)	togen Him	Company _		



### EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client <sup>.</sup>	XTO Energy	Project #:	98031-0528
Sample ID:	3 1/2' Composite	Date Reported:	03-01-12
Laboratory Number:	61251	Date Sampled:	02-29-12
Chain of Custody No:	13493	Date Received:	02-29-12
Sample Matrix:	Soil	Date Extracted <sup>-</sup>	02-29-12
Preservative:	Cool	Date Analyzed:	03-01-12
Condition:	Intact	Analysis Requested:	8015 TPH

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

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:

Breech F #2

Analyst

Ph (505) 632-0615 Fx (505) 632-1865

5796 US Highway 64, Farmington, NM 87401





### EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

#### **Quality Assurance Report**

Client:	QA/QC		Project #:		N/A					
Sample ID:	0301TCAL QA/0	QC	Date Reported:		03-01-12					
Laboratory Number:	61241		Date Sampled:		N/A					
Sample Matrix.	Methylene Chlo	ride	Date Received:		N/A					
Preservative:	N/A		Date Analyzed:		03-01-12					
Condition:	N/A		Analysis Reque	sted:	TPH					
	I-Cal Date	Î-Cal RF:	C-Cal RF:	% Difference	Accept Range					
Gasoline Range C5 - C10	03-01-12	9.9960E+02	1.0000E+03	0.04%	0 - 15%					
Diesel Range C10 - C28	03-01-12	9.9960E+02	1.0000E+03	0.04%	0 - 15%					
Blank Conc. (mg/L - mg/ Gasoline Range C5 - C10	Kg)	ND		0.2	itį́.					
		matter / as x v v	wy ig die i l		itį́					
Gasoline Range C5 - C10  Diesel Range C10 - C28  Total Petroleum Hydrocarbon  Duplicate Conc. (mg/Kg)	ns Sample	ND ND ND	% Differençe	0.2 0.1 Accept. Rang	- ,					
Gasoline Range C5 - C10 Diesel Range C10 - C28 Total Petroleum Hydrocarbon  Duplicate Conc. (mg/Kg) Gasoline Range C5 - C10	ns Sample ND	ND ND ND Dùplicate	% Difference 0.00%	0.2 0.1 Accept: Rang 0 - 30%	- ,					
Gasoline Range C5 - C10  Diesel Range C10 - C28  Total Petroleum Hydrocarbon  Duplicate Conc. (mg/Kg)	ns Sample	ND ND ND	% Differençe	0.2 0.1 Accept. Rang	- ,					
Gasoline Range C5 - C10  Diesel Range C10 - C28  Total Petroleum Hydrocarbon  Duplicate Conc. (mg/Kg)  Gasoline Range C5 - C10	ns Sample ND	ND ND ND Dùplicate	% Difference 0.00% 0.00%	0.2 0.1 Accept Rang 0 - 30% 0 - 30%	įę,					
Gasoline Range C5 - C10 Diesel Range C10 - C28 Total Petroleum Hydrocarbon  Duplicate Conc. (mg/Kg) Gasoline Range C5 - C10 Diesel Range C10 - C28	Sàmple ND ND	ND ND ND Dùplicate ND ND	% Difference	0.2 0.1 Accept Rang 0 - 30% 0 - 30%	įę,					

ND - Parameter not detected at the stated detection limit.

References:

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

SW-846, USEPA, December 1996.

Comments:

QA/QC for Samples 61241-61243, 61247-61249 and 61252-61253

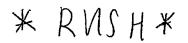
Analyst

5796 US Highway 64, Farmington, NM 87401

Review

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301



## **CHAIN OF CUSTODY RECORD**

13493

		<del></del>							т—														
Client:			roject Name / Loca		•								,	NAL'	YSIS	/ PA	RAM	ETEF	าร				
XTO energy			Breech	F #	七乙				_														
Email results to: Logan - Hixen & xtben James - Mcdaniel	a rev. 40 1	m Se	ampler Name:						ନ	23	į		ļ			1						1	
Janes - medaniel	DX+O ere	15 y.Ca	Logern H ient No.:	ivon					8	98	826	<u>s</u>	_			-							
Client Phone No.:		I CII	ent No.:						ğ	tho d	B	eta	jë.	١.	\( \frac{1}{2} \)	910	=	ш		1		8	tact
SOS 386 801	<u>પ્</u> ટ		78031-05	<u> </u>					Vet	(Me	Met	8	¥		With	pje	418.	8				Ö	e n
Sample No./ Identification	Sample Date	Sample Time	Lab No.		./Volume containers	HgCl <sub>2</sub>	Preserva HCI	tive	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RGI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
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Dalinaviahad hay (Cimatura)	<u> </u>	<u> </u>	<u></u>	Date	Time	Rece	ivod h	)/: /Si	onati	iro)						لــــــ				$\frac{1}{1}$	ate	Tim	
Relinquished by: (Signature)											110	0.1	Α.							- 1			
Jage H				2-29	3:15p	<i>V</i> -	VV	<u>////</u>	1	701	111	1/1	X							2-2	-11	3:1	ב
Relinquished by: (Signature)						Hece	ivea c	oy: (Si	gnau	irej			V										
Sample Matrix																				T			
Soil Solid Sludge	Aqueous 🗀	j Other 🗌							_			-											
☐ Sample(s) dropped off after	hours to sec	cure drop of	f area.	` <b>)</b>		•	. 1		. 1.											-			
Rush				<b>3</b> •	env Ana	IT (	ol La	e (	itory	<b>)</b>													
5795 US Highway 64	• Farmingto	on, NM 8740	1 • 505-632-0615 •	Three Spr	rings • 65 I	Merca	do Str	eet, Su	uite 1	15, Du	Jrang	90, C	O 813	01 • 1	labor	atory	@env	virote	ch-inc	.com			



# Industrial Ecosystems Inc. #49 C.R. 3150 • Aztec, NM 87410

Phone: 505-632-1782 • Fax: 505-632-1876

Customer **Location Name** ☐ Jicarilla Apache Land ☐ Southern Ute Land

Unit:_	16-17
Employee:	TPC
Contact:	ogan Hirchon
Date:_	3-1-12
PO#:_	
Billing Code:_	

LABOR		HRS/UNITS		RATE		TOTAL
Equipment Operator	41000.1		Hours/Day	\$	Per hour/day	\$
General Laborer	41000.1		Hours	\$	Per hour	\$
Project Manager	41000.1		Hours	\$	Per hour	\$
Per Diem	41000.1		Hours	\$	Per day/man	\$
Travel Time	41000.1		Hours	\$	Per hour	\$
EQUIPMENT						
4wd Pickup	42000.1		Miles	\$	Per mile	\$
12yd Dump Truck	42000.1		Hours	\$	Per hour	\$
18yd Side Dump	42000.1		Hours	\$	Per hour	\$
Backhoe with Operator	42000.1	i	Hours	\$	Per hour	\$
Loader with Operator	42000.1		Hours	\$	Per hour	\$
Excavator with Operator	42000.1		Hours	\$	Per hour	\$
One Ton Truck	42000.1		Hours/Day	\$	Per hour/day	\$
Portable Pressure Wash	42000.1		Hours/Day		Per hour/day	\$
Portable Pres. Wash Unit	42000.1		Hours	\$	Per hour	\$
80 Barrel Vacuum Truck	42000.1		Hours	\$	Per hour	\$
King Vac Truck with Crew	42000.1		Hours	\$	Per hour	\$
Skid Steer	42000.1		Hours	\$	Per hour	\$
Mileage	42000.1		Miles	\$	Per mile	\$
SCBA (Breathing Apparatus)	42000.1		Day	\$	Per day	\$
SCBA Refill	42000.1		Each	\$	Per Refill	\$
LEL,O2,H2S Monitoring	42000.1		Day	\$	Per day	\$
3						
SERVICES						
Chloride Test	45000.2	1	Each	\$ 15,00	Per test	\$ 15,00
Mobile Dewatering	42100.1		Hours/Day	\$	Per hour/day	\$
Mob/Demob	42100.1		Hours	\$	Per hour	\$
Monthly Maintenance	45000.1		Month	\$	Per month	\$
	···					
SUPPLIES						
Soap/Degreaser			Gallons	\$	Per gallon	\$
Misc. Description:			Each	\$	Per:	\$
Virgin Soil/Gravel	45500.2		Cubic yard	\$	Per yard	\$
DISPOSAL & MISC.						
Disposal Fee (solids)	44000.2	20	Cubic yard	\$20,00	Per yard	\$ 400,00
Disposal Fee (liquids)	44100.2		Per barrel	\$	Per barrel	\$
Facility Use Fee	42000.2		Each	\$	Each	\$ ,
	Sub Total	1/2.5/				
Comments:	100	7,00				
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Employee Signature	₹ 272 C>					
Customer Signature					`	タン/ン/