

District I
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

30-045-11778

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: XTO Energy, Inc.	Contact: Logan Hixon
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3683
Facility Name: TL Rhodes C #1 (30-045-11778)	Facility Type: Gas Well (Dakota)

Surface Owner: Federal	Mineral Owner:	Lease No.: NMSF-080844
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LOCATION OF RELEASE

Unit Letter G	Section 30	Township 28 N	Range 11W	Feet from the 1850	North/South Line FNL	Feet from the 1530	East/West Line FEL	County San Juan County
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Latitude: N36.63533 Longitude: W-108.04088

NATURE OF RELEASE

Type of Release: Produced Water/Condensate	Volume of Release: 2 BBL & Historical	Volume Recovered: None
Source of Release: Stock Tank	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: March 30, 2012
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	RCVD APR 23 '12
By Whom?	Date and Hour:	OIL CONS. DIV.
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	DIST. 3

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

On March 19, 2012 a leak was found on the north production tank at the TL Rhodes C #1. There was approximately 2 BBL's lost inside the containment area of the tank. This site was then ranked pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. This location was then ranked a 40, due to a wash at less than 200 feet from location, and a suspected depth to groundwater of less than 50 feet. This set the closures standards to 100 ppm TPH, 50 ppm total BTEX and 10 ppm Benzene.

Describe Area Affected and Cleanup Action Taken.*

On April 13, 2012 an excavation started to remove all impacted soil from this spill, while excavating, historically impacted soil was discovered. An area of approximately 40 feet by 17 feet by 3 feet was removed and 5 point composite samples were taken in three stages working from South to North of the excavated area (1st- 17'x17'x 3'. 2nd- 21'x 17'x 4'. 3rd- 10'x 4'x 4.5'). The second and third stage composite samples returned results below the regulatory standards determined for this site pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases (see attached results). The first stage returned results over the standards determined for this location at 622 PPM TPH. On April 16, 2012 the 1st stage was further excavated to the extent of 19'x17'x 4.5' and a 5 point composite was taken at this 1st stage. The sample returned results below the regulatory standards determined for this site. This excavation has been back filled using clean fill soil from Paul and Son. No further action is required for this incident. All applicable analytical results and on-site sheets are attached for your reference.

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.

OIL CONSERVATION DIVISION

Signature: Logan Hixon	Approved by District Supervisor: Jonathan D. Kelly
Printed Name: Logan Hixon	Approval Date: 4/24/2012 Expiration Date:
Title: Environmental Technician	Conditions of Approval: Chlorides sample
E-mail Address: Logan_Hixon@xtoenergy.com	Attached ☐
Date: 4/20/2012 Phone: 505-333-3683	Required due to tank and produced water

NJK1211547512



XTO Energy On-Site Form

Well Name TL Rhodes C#1 API # 30-045-11778

Section 30 Township 28 Range 11 County San Juan

Contractors On-Site Core Time On-Site 9:00 Time Off-Site 1:00

Spill Amount 2 bbls Spilled (Oil/Produced W/Other _____) RCVRD 0

Land Use (Range / Residential / Tribe Farming) Excavation 40 x 17 x 3-4 1/2 deep

Sample Location

SP 21-17

Sample Location

NW 4-10

Sample Location

9

Site Diagram

excavate spill & legendary spill

Comments

Number of Photos Taken

Samples

Time	Sample #	Sample Description	Characteristics	OVM (ppm)	Analysis Requested
9:30	NA	100 Standard	NA	101	NA
9:45	1	comp soil pile	sand		8015, 8021
10:10	2	comp E 17-17-3'	sand	279	8015, 8021
10:15	3	comp E 21-17-3'	sand odor	897	
10:50	4	comp W 21-17-4'	sand	147	8015, 8021
11:15	5	comp NW 4-10-2'	sand odor	1897	
11:30	6	comp NW 4-10-3'	sand odor	1787	
11:50	7	comp NW 4-10-4'	sand odor	787	
12:15	8	comp NW 4-10-4 1/2'	sand	30.7	8015, 8021

Name (Print) Logan Hixon Date 4-13-12

Name (Signature) Logan H Company XTO

Client:	XTO	Project #:	98031-0528
Sample ID:	Soil Pile 2' Comp	Date Reported:	04-16-12
Laboratory Number:	61705	Date Sampled:	04-13-12
Chain of Custody No:	13738	Date Received:	04-13-12
Sample Matrix:	Soil	Date Extracted:	04-13-12
Preservative:	Cool-	Date Analyzed:	04-16-12
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)	6.4	0.1
Total Petroleum Hydrocarbons	6.4	

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: **TL Rhodes C #1**



Analyst



Review

Client:	XTO	Project #:	98031-0528
Sample ID:	21'x17'x4' West Comp	Date Reported:	04-16-12
Laboratory Number:	61706	Date Sampled:	04-13-12
Chain of Custody No:	13738	Date Received:	04-13-12
Sample Matrix:	Soil	Date Extracted:	04-13-12
Preservative:	Cool	Date Analyzed:	04-16-12
Condition:	Intact	Analysis Requested:	8015 TPH

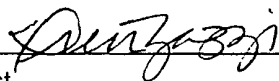
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	2.2	0.1
Total Petroleum Hydrocarbons	2.2	

ND - Parameter not detected at the stated detection limit.

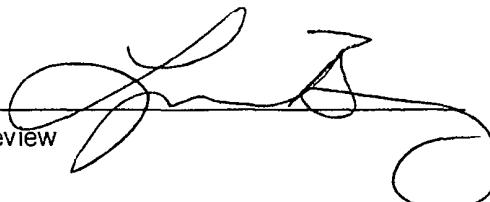
References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **TL Rhodes C #1**

Analyst



Review



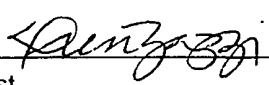
Client:	XTO	Project #:	98031-0528
Sample ID:	10'x4'x4.5' NW Comp	Date Reported:	04-16-12
Laboratory Number:	61707	Date Sampled:	04-13-12
Chain of Custody No:	13738	Date Received:	04-13-12
Sample Matrix:	Soil	Date Extracted:	04-13-12
Preservative:	Cool	Date Analyzed:	04-16-12
Condition:	Intact	Analysis Requested:	8015 TPH

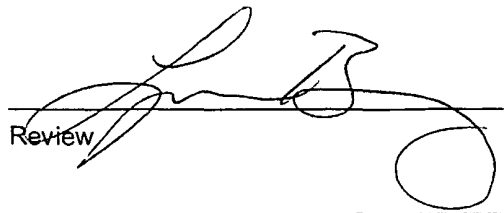
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

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: **TL Rhodes C #1**


Analyst


Review

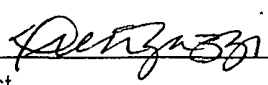
Client:	XTO	Project #:	98031-0528
Sample ID:	17'x17'x3' East Comp	Date Reported:	04-16-12
Laboratory Number:	61708	Date Sampled:	04-13-12
Chain of Custody No:	13738	Date Received:	04-13-12
Sample Matrix:	Soil	Date Extracted:	04-13-12
Preservative:	Cool	Date Analyzed:	04-16-12
Condition:	Intact	Analysis Requested:	8015 TPH

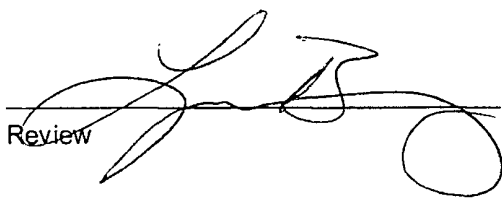
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	147	0.2
Diesel Range (C10 - C28)	475	0.1
Total Petroleum Hydrocarbons	622	

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: TL Rhodes C #1


Analyst


Review

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	0416TCAL QA/QC	Date Reported:	04-16-12
Laboratory Number:	61622	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-16-12
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	04-16-12	9.9960E+02	1.0000E+03	0.04%	0 - 15%
Diesel Range C10 - C28	04-16-12	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	

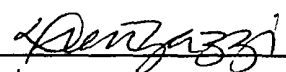
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	847	859	1.4%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	297	119%	75 - 125%
Diesel Range C10 - C28	847	250	1,040	94.8%	75 - 125%

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 61622-61625, 61705-61708 and 61710-61712



Analyst



Review

Client:	XTO	Project #:	98031-0528
Sample ID:	Soil Pile 2' Comp	Date Reported:	04-16-12
Laboratory Number:	61705	Date Sampled:	04-13-12
Chain of Custody:	13738	Date Received:	04-13-12
Sample Matrix:	Soil	Date Analyzed:	04-16-12
Preservative:	Cool	Date Extracted:	04-13-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	14.3	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	ND	10.0
o-Xylene	ND	10.0
Total BTEX	14.3	

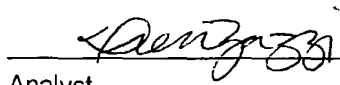
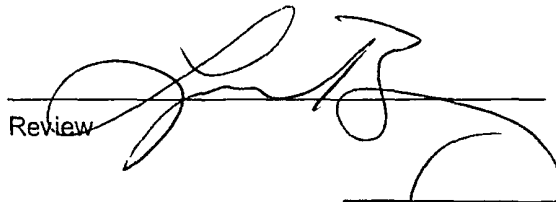
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	100 %
	1,4-difluorobenzene	102 %
	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: TL Rhodes C #1


Analyst
Review

Client:	XTO	Project #:	98031-0528
Sample ID:	21'x17'x4' West Comp	Date Reported:	04-16-12
Laboratory Number:	61706	Date Sampled:	04-13-12
Chain of Custody:	13738	Date Received:	04-13-12
Sample Matrix:	Soil	Date Analyzed:	04-16-12
Preservative:	Cool	Date Extracted:	04-13-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	ND	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	ND	10.0
o-Xylene	ND	10.0
Total BTEX	ND	

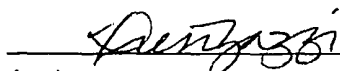
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	89.4 %
	1,4-difluorobenzene	94.5 %
	Bromochlorobenzene	91.4 %

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: TL Rhodes C #1


 Analyst


 Review

Client:	XTO	Project #:	98031-0528
Sample ID:	10'x4'x4.5' NW Comp	Date Reported:	04-16-12
Laboratory Number:	61707	Date Sampled:	04-13-12
Chain of Custody:	13738	Date Received:	04-13-12
Sample Matrix:	Soil	Date Analyzed:	04-16-12
Preservative:	Cool	Date Extracted:	04-13-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	ND	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	ND	10.0
o-Xylene	ND	10.0
Total BTEX	ND	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	106 %
	1,4-difluorobenzene	105 %
	Bromochlorobenzene	102 %

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: TL Rhodes C #1

Analyst

Review

Client:	XTO	Project #:	98031-0528
Sample ID:	17'x17'x3' East Comp	Date Reported:	04-16-12
Laboratory Number:	61708	Date Sampled:	04-13-12
Chain of Custody:	13738	Date Received:	04-13-12
Sample Matrix:	Soil	Date Analyzed:	04-16-12
Preservative:	Cool	Date Extracted:	04-13-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	796	10.0
Ethylbenzene	891	10.0
p,m-Xylene	9,720	10.0
o-Xylene	4,450	10.0
Total BTEX	15,900	

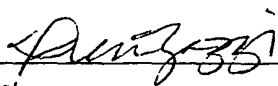
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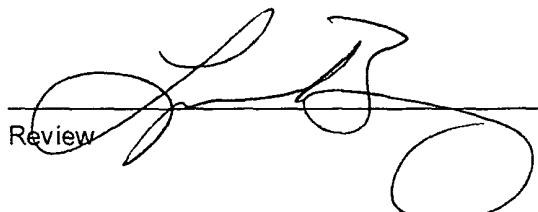
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	104 %
	1,4-difluorobenzene	102 %
	Bromochlorobenzene	103 %

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: TL Rhodes C #1


 Analyst


 Review

Client:	N/A	Project #:	N/A
Sample ID:	0416BCAL QA/QC	Date Reported:	04-16-12
Laboratory Number:	61622	Date Sampled:	N/A
Sample Matrix:	Solid	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-16-12
Condition:	N/A	Analysis:	BTEX
		Dilution:	50

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	%Diff	Blank Conc	Detect Limit
	Accept Range 0-16%				
Benzene	5.7169E-06	5.7169E-06	0.000	ND	0.2
Toluene	5.1387E-06	5.1387E-06	0.000	ND	0.2
Ethylbenzene	5.5135E-06	5.5799E-06	0.012	ND	0.2
p,m-Xylene	4.0954E-06	4.0954E-06	0.000	ND	0.2
o-Xylene	5.9417E-06	5.9417E-06	0.000	ND	0.2

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	23.7	25.5	0.08	0 - 30%	10
Toluene	197	237	0.20	0 - 30%	10
Ethylbenzene	54.2	51.0	0.06	0 - 30%	10
p,m-Xylene	240	268	0.12	0 - 30%	10
o-Xylene	51.5	64.1	0.24	0 - 30%	10

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	23.7	2500	2840	113	39 - 150
Toluene	197	2500	2940	109	46 - 148
Ethylbenzene	54.2	2500	2820	110	32 - 160
p,m-Xylene	240	5000	5830	111	46 - 148
o-Xylene	51.5	2500	2760	108	46 - 148

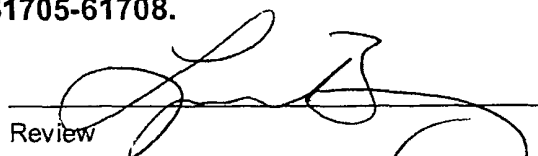
ND - Parameter not detected at the stated detection limit.

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 61622-61625, 61705-61708.


Analyst


Review

RUSH

CHAIN OF CUSTODY RECORD

13738

Client: XTO			Project Name / Location: TL Rhodes C#1			ANALYSIS / PARAMETERS													
Email results to: James.mcdaniel@xto Logan Hixon @xtenergy.com			Sampler Name: Logan Hixon, Kurt Hockstra			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.: (505) 386-8018			Client No.: 98031-0528																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative														
					HgCl ₂	HCl													
Soil pile 2' comp	4-13-12	9:45A	61705	1-402				X	X									X	X
21'x17'x4' west comp	4-13-12	10:50A	61706	1-402				X	X									X	X
10'x4'x4'5'NW comp	4-13-12	12:15	61707	1-402				X	X									X	X
17'x17'x3' East comp	4-13-12	10:10	61708	1-402				X	X									X	X
Relinquished by: (Signature) <i>[Signature]</i>				Date 4-13-12	Time 1:06	Received by: (Signature) <i>[Signature]</i>												Date 4-13-12	Time 1:06
Relinquished by: (Signature)						Received by: (Signature)													
Sample Matrix Soil ☒ Solid ☐ Sludge ☐ Aqueous ☐ Other ☐																			
☐ Sample(s) dropped off after hours to secure drop off area.																			





XTO Energy On-Site Form

Well Name TL Rhodes C#1 API # 30-045-11778
Section 30 Township 28 Range 11 County San Juan
Contractors On-Site CASC Time On-Site 3:40 Time Off-Site 5:10
Spill Amount 2 bbls Spilled (Oil/Produced W/Other) RCVRD 0
Land Use (Range / Residential / Tribe) Excavation 17 x 17 x 4.5 deep

Site Diagram

Comments

Number of Photos Taken

Sample Location

Sample Location

Composite of walls S.E.W. and bottom at 17x17' x 4.5'

Samples

Time	Sample #	Sample Description	Characteristics	OVM (ppm)	Analysis Requested
3:50	NA	100 Standard	NA	151	NA
4:15	①	S. wall 4ft	Sand	147	
4:20	2	E. wall 4ft	Sand	73	
4:30	3	W. wall 4ft	Sand	71	
4:50	4	4.5 bottom	Clay	42	
5:10	⑤	Walls S.E.W. bottom 4.5	(Clay Sand)		2015, 8021

Name (Print) Logan Hixon Date 4-16-12
Name (Signature) [Signature] Company XTO

Client:	XTO	Project #:	98031-0528
Sample ID:	4.5'x19'x17'x4.5' S,E,W Walls Bottom	Date Reported:	04-17-12
Laboratory Number:	61735	Date Sampled:	04-16-12
Chain of Custody No:	13844	Date Received:	04-16-12
Sample Matrix:	Soil	Date Extracted:	04-17-12
Preservative:	Cool	Date Analyzed:	04-17-12
Condition:	Intact	Analysis Requested:	8015 TPH

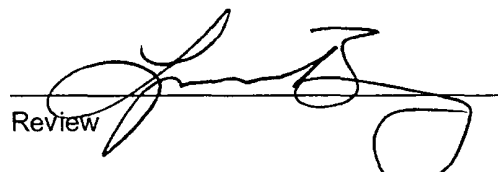
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	9.6	0.1
Total Petroleum Hydrocarbons	9.6	

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: **TL Rhodes C #1**


Analyst


Review

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	0417TCAL QA/QC	Date Reported:	04-17-12
Laboratory Number:	61682	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-17-12
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	04-17-12	9.9960E+02	1.0000E+03	0.04%	0 - 15%
Diesel Range C10 - C28	04-17-12	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%

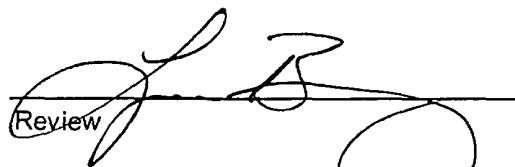
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	293	117%	75 - 125%
Diesel Range C10 - C28	ND	250	265	106%	75 - 125%

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 61682-61687, 61720-61727 and 61734-61735


Analyst


Review

Client:	XTO	Project #:	98031-0528
Sample ID:	4.5'x19'x17'x4.5' S,E,W Walls Bottom	Date Reported:	04-17-12
Laboratory Number:	61735	Date Sampled:	04-16-12
Chain of Custody:	13844	Date Received:	04-16-12
Sample Matrix:	Soil	Date Analyzed:	04-17-12
Preservative:	Cool	Date Extracted:	04-17-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	35.3	10.0
Ethylbenzene	10.8	10.0
p,m-Xylene	63.4	10.0
o-Xylene	21.8	10.0
Total BTEX	131	

ND - Parameter not detected at the stated detection limit.

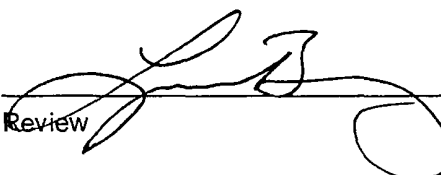
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.2 %
	1,4-difluorobenzene	102 %
	Bromochlorobenzene	105 %

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: TL Rhodes C #1

Analyst 

Review 

Client:	N/A	Project #:	N/A
Sample ID:	0417BCAL QA/QC	Date Reported:	04-17-12
Laboratory Number:	61734	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-17-12
Condition:	N/A	Analysis:	BTEX
		Dilution:	50

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	%Diff	Blank Conc	Detect Limit
	Accept: Range 0-15%				
Benzene	5.2966E-06	5.2966E-06	0.000	ND	0.2
Toluene	4.7421E-06	4.7421E-06	0.000	ND	0.2
Ethylbenzene	5.1920E-06	5.1920E-06	0.000	ND	0.2
p,m-Xylene	3.8871E-06	3.8871E-06	0.000	ND	0.2
o-Xylene	5.5732E-06	5.5732E-06	0.000	ND	0.2

Duplicate Conc: (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	ND	ND	0.00	0 - 30%	10
Toluene	11.1	12.4	0.12	0 - 30%	10
Ethylbenzene	ND	ND	0.00	0 - 30%	10
p,m-Xylene	19.2	19.4	0.01	0 - 30%	10
o-Xylene	13.0	12.8	0.02	0 - 30%	10

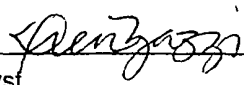
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	2500	2650	106	39 - 150
Toluene	11.1	2500	2660	106	46 - 148
Ethylbenzene	ND	2500	2650	106	32 - 160
p,m-Xylene	19.2	5000	5310	106	46 - 148
o-Xylene	13.0	2500	2670	106	46 - 148

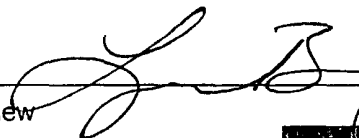
ND - Parameter not detected at the stated detection limit.

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 61645-61646, 61682-61687 and 61734-61735


 Analyst


 Review

KUSH * 1 URBAN or early Wednesday

CHAIN OF CUSTODY RECORD

13844

Client: XTO			Project Name / Location: TL Rhodes C#1			ANALYSIS / PARAMETERS														
Email results to: Logan Hixon @ xtoenergy.com James.mechanical @ xtoenergy.com			Sampler Name: Logan Hixon			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact	
Client Phone No.: (505) 386-8018			Client No.: 98031-0528																	
Sample No. / Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative															
					HgCl ₂	HCl														
4.5' 17x17x45' S.E.W. well bottom	4-16-12	5:10	61735	1-40Z																
Relinquished by: (Signature) Logan Hixon					Date 4-16-12	Time 5:35	Received by: (Signature) Jessie Hammy										Date 4-16-12	Time 5:15		
Relinquished by: (Signature)							Received by: (Signature)													
Sample Matrix Soil ☒ Solid ☐ Sludge ☐ Aqueous ☐ Other ☐																				
☐ Sample(s) dropped off after hours to secure drop off area. * RUSH *  envirotech Analytical Laboratory																				