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

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: XTO Energy, Inc.	Contact: James McDaniel
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3701
Facility Name: Valencia Canyon Unit #40 (30-039-22082)	Facility Type: Gas Well (Mesaverde)

Surface Owner: Federal	Mineral Owner:	Lease No.:

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	35	28N	4W	910	FSL	870	FWL	Rio Arriba

Latitude: 36.61166 **Longitude:** -107.22709

RCVD MAY 13 '10
OIL CONS. DIV.
DIST. 3

NATURE OF RELEASE

Type of Release: Condensate	Volume of Release: 160 bbls	Volume Recovered: None
Source of Release: Broken Drain Line	Date and Hour of Occurrence: January 24, 2010	Date and Hour of Discovery: January 24, 2010
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Brandon Powell	
By Whom? Kim Champlin	Date and Hour: January 25, 2010	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.
During snow removal activities, a blade broke the drain line at the above mentioned well site. The blade operator did not notice the broken drain valve, and the contents of the production tank drained onto the well pad. Some cleanup activities were conducted in January, but due to poor road conditions, heavy equipment could not be transported to the site until road conditions improved. The site was ranked a zero pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. This set the closure standards to 5,000 mg/kg TPH, 10 mg/kg benzene and 50 mg/kg total BTEX. Impacted soil was removed using a track hoe. An initial C-141 was submitted to your office on February 4, 2010.

Describe Area Affected and Cleanup Action Taken.*
From April 30, 2010 to May 5, 2010, approximately 1,203 cubic yards of impacted soil was removed to extents of approximately 50' x 30' x 8' deep. On April 30th, composite samples were collected from the west, north and south walls, as well as from the bottom at eight (8) feet below ground surface (BGS). The samples were analyzed for TPH via USEPA Method 8015, and for BTEX via USEPA Method 8021B. The samples returned results below the regulatory standard determined for this site. On May 4th, after additional excavation activities on the NE side of the excavation, additional samples were collected from the NE wall, and from the bottom in the NE section of the excavated area at eight (8) feet BGS. Both samples were analyzed for TPH via USEPA Method 8015 and for BTEX via USEPA Method 8021B. Each sample returned results below the regulatory standard determined for this site. No further excavation is necessary. Impacted soils were transported to Envirotech's Landfarm for disposal, and backfill was brought in from the Moss Pit. Analytical results 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.

Signature:	OIL CONSERVATION DIVISION
Printed Name: James McDaniel	Approved by District Supervisor: Brandon Powell For: CP
Title: EH&S Specialist	Approval Date: 9/22/10 Expiration Date:
E-mail Address: James_McDaniel@xtoenergy.com	Conditions of Approval: Attached ☐
Date: 5/11/2010 Phone: 505-333-3701	

nBP1026552413

1A

envirotech
Analytical Laboratory

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	XTO	Project #:	98031-0528
Sample ID:	West Wall	Date Reported:	05-04-10
Laboratory Number:	53951	Date Sampled:	04-30-10
Chain of Custody No:	8709	Date Received:	04-30-10
Sample Matrix:	Soil	Date Extracted:	04-30-10
Preservative:	Cool	Date Analyzed:	05-03-10
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**84.3**	**0.2**
Diesel Range (C10 - C28)	**21.6**	**0.1**
Total Petroleum Hydrocarbons	**106**	**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: **VCU #40**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

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Analytical Laboratory

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	XTO	Project #:	98031-0528
Sample ID:	North Wall	Date Reported:	05-04-10
Laboratory Number:	53952	Date Sampled:	04-30-10
Chain of Custody No:	8709	Date Received:	04-30-10
Sample Matrix:	Soil	Date Extracted:	04-30-10
Preservative:	Cool	Date Analyzed:	05-03-10
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**55.4**	**0.2**
Diesel Range (C10 - C28)	**69.2**	**0.1**
Total Petroleum Hydrocarbons	**125**	**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: **VCU #40**

Analyst

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EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	XTO	Project #:	98031-0528
Sample ID:	South Wall	Date Reported:	05-04-10
Laboratory Number:	53953	Date Sampled:	04-30-10
Chain of Custody No:	8709	Date Received:	04-30-10
Sample Matrix:	Soil	Date Extracted:	04-30-10
Preservative:	Cool	Date Analyzed:	05-03-10
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**115**	**0.2**
Diesel Range (C10 - C28)	**88.6**	**0.1**
Total Petroleum Hydrocarbons	**204**	**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: **VCU #40**

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EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	XTO	Project #:	98031-0528
Sample ID:	Bottom	Date Reported:	05-04-10
Laboratory Number:	53954	Date Sampled:	04-30-10
Chain of Custody No:	8709	Date Received:	04-30-10
Sample Matrix:	Soil	Date Extracted:	04-30-10
Preservative:	Cool	Date Analyzed:	05-03-10
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**7.9**	**0.2**
Diesel Range (C10 - C28)	**ND**	**0.1**
Total Petroleum Hydrocarbons	**7.9**	**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: **VCU #40**

Analyst

Review

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EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	05-03-10 QA/QC	Date Reported:	05-04-10
Laboratory Number:	53943	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-03-10
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	05-07-07	1.0180E+003	1.0184E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	1.0354E+003	1.0359E+003	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	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	5.0	6.1	22.0%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	269	108%	75 - 125%
Diesel Range C10 - C28	5.0	250	258	101%	75 - 125%

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 53875 - 53876, 53925, 53943 and 53950 - 53954.**

Analyst

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	XTO	Project #:	98031-0528
Sample ID:	West Wall	Date Reported:	05-03-10
Laboratory Number:	53951	Date Sampled:	04-30-10
Chain of Custody:	8709	Date Received:	04-30-10
Sample Matrix:	Soil	Date Analyzed:	05-03-10
Preservative:	Cool	Date Extracted:	04-30-10
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**0.9**
Toluene	**407**	**1.0**
Ethylbenzene	**143**	**1.0**
p,m-Xylene	**1,200**	**1.2**
o-Xylene	**246**	**0.9**
Total BTEX	**2,000**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**98.9 %**
	1,4-difluorobenzene	**98.6 %**
	Bromochlorobenzene	**97.9 %**

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: **VCU #40**

Analyst

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	XTO	Project #:	98031-0528
Sample ID:	North Wall	Date Reported:	05-03-10
Laboratory Number:	53952	Date Sampled:	04-30-10
Chain of Custody:	8709	Date Received:	04-30-10
Sample Matrix:	Soil	Date Analyzed:	05-03-10
Preservative:	Cool	Date Extracted:	04-30-10
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**0.9**
Toluene	**248**	**1.0**
Ethylbenzene	**139**	**1.0**
p,m-Xylene	**1,410**	**1.2**
o-Xylene	**260**	**0.9**
Total BTEX	**2,060**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**98.5 %**
	1,4-difluorobenzene	**101 %**
	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: **VCU #40**

Analyst

Review

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	XTO	Project #:	98031-0528
Sample ID:	South Wall	Date Reported:	05-03-10
Laboratory Number:	53953	Date Sampled:	04-30-10
Chain of Custody:	8709	Date Received:	04-30-10
Sample Matrix:	Soil	Date Analyzed:	05-03-10
Preservative:	Cool	Date Extracted:	04-30-10
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**0.9**
Toluene	**562**	**1.0**
Ethylbenzene	**342**	**1.0**
p,m-Xylene	**3,340**	**1.2**
o-Xylene	**761**	**0.9**
Total BTEX	**5,010**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**97.9 %**
	1,4-difluorobenzene	**98.0 %**
	Bromochlorobenzene	**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: **VCU #40**

Analyst

Review

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	XTO	Project #:	98031-0528
Sample ID:	Bottom	Date Reported:	05-03-10
Laboratory Number:	53954	Date Sampled:	04-30-10
Chain of Custody:	8709	Date Received:	04-30-10
Sample Matrix:	Soil	Date Analyzed:	05-03-10
Preservative:	Cool	Date Extracted:	04-30-10
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**0.9**
Toluene	**27.3**	**1.0**
Ethylbenzene	**10.6**	**1.0**
p,m-Xylene	**120**	**1.2**
o-Xylene	**36.7**	**0.9**
Total BTEX	**195**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**97.8 %**
	1,4-difluorobenzene	**100.1 %**
	Bromochlorobenzene	**97 %**

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: **VCU #40**

Analyst

Review

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	05-03-BTX QA/QC	Date Reported:	05-03-10
Laboratory Number:	53942	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-03-10
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff. Accept. Range 0 - 15%	Blank Conc.	Detect. Limit
Benzene	1.3332E+006	1.3359E+006	0.2%	ND	0.1
Toluene	1.2295E+006	1.2319E+006	0.2%	ND	0.1
Ethylbenzene	1.1051E+006	1.1073E+006	0.2%	ND	0.1
p,m-Xylene	2.7420E+006	2.7475E+006	0.2%	ND	0.1
o-Xylene	1.0425E+006	1.0446E+006	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	24.0	23.6	1.7%	0 - 30%	1.0
Ethylbenzene	19.1	18.7	2.1%	0 - 30%	1.0
p,m-Xylene	196	196	0.3%	0 - 30%	1.2
o-Xylene	15.5	14.9	3.9%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	48.4	96.8%	39 - 150
Toluene	24.0	50.0	71.1	96.1%	46 - 148
Ethylbenzene	19.1	50.0	65.4	94.7%	32 - 160
p,m-Xylene	196	100	274	92.5%	46 - 148
o-Xylene	15.5	50.0	60.1	91.8%	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 53875, 53876, 53942, 53943 and 53950 - 53954.**

Analyst

Review

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CHAIN OF CUSTODY RECORD

8709 Rush

Client:	Project Name / Location:
XTO Energy	VCU # 40
Client Address: 382 Road 3100 Aztec NM 87410	**Sampler Name:** Kurt
Client Phone No.: 333-3100	**Client No.:** 98031-0528

ANALYSIS / PARAMETERS

Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative HgCl2	Preservative HCl	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
West Wall	4/30	11:00	53951	(Soil) Solid Sludge Aqueous	(1) 4oz Jar			X	X												Y	Y
North Wall	"	11:30	53952	(Soil) Solid Sludge Aqueous	"			X	X													
South Wall	"	11:35	53953	(Soil) Solid Sludge Aqueous	"			X	X													
Bottom	"	11:45	53954	(Soil) Solid Sludge Aqueous	"			X	X													
				Soil Solid Sludge Aqueous																		
				Soil Solid Sludge Aqueous																		
				Soil Solid Sludge Aqueous																		
				Soil Solid Sludge Aqueous																		
				Soil Solid Sludge Aqueous																		
				Soil Solid Sludge Aqueous																		

	Date	Time		Date	Time
Relinquished by: (Signature) Kurt Hoekstra	4/30	4:20	Received by: (Signature)	4/30/10	420
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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Analytical Laboratory
5796 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • lab@envirotech-inc.com

Email Results to:
Kurt & James

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Analytical Laboratory

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	XTO	Project #:	98031-0528
Sample ID:	NE Bottom Composite	Date Reported:	05-05-10
Laboratory Number:	54010	Date Sampled:	05-04-10
Chain of Custody No:	9277	Date Received:	05-04-10
Sample Matrix:	Soil	Date Extracted:	05-04-10
Preservative:	Cool	Date Analyzed:	05-05-10
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**	**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: **Valencia Canyon Unit #40**

Analyst

Review

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EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	XTO	Project #:	98031-0528
Sample ID:	NE Section Wall Composite	Date Reported:	05-05-10
Laboratory Number:	54011	Date Sampled:	05-04-10
Chain of Custody No:	9277	Date Received:	05-04-10
Sample Matrix:	Soil	Date Extracted:	05-04-10
Preservative:	Cool	Date Analyzed:	05-05-10
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	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: **Valencia Canyon Unit #40**

Analyst

Review

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Analytical Laboratory

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	05-05-10 QA/QC	Date Reported:	05-05-10
Laboratory Number:	53990	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-05-10
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	05-07-07	1.0232E+003	1.0236E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	1.0171E+003	1.0175E+003	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	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	338	326	3.6%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	257	103%	75 - 125%
Diesel Range C10 - C28	338	250	723	123%	75 - 125%

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 53990 - 53992, 53995 - 53999 and 53010 - 53011.**

Analyst

Review

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	XTO	Project #:	98031-0528
Sample ID:	NE Bottom Composite	Date Reported:	05-05-10
Laboratory Number:	54010	Date Sampled:	05-04-10
Chain of Custody:	9277	Date Received:	05-04-10
Sample Matrix:	Soil	Date Analyzed:	05-05-10
Preservative:	Cool	Date Extracted:	05-04-10
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**0.9**
Toluene	**ND**	**1.0**
Ethylbenzene	**ND**	**1.0**
p,m-Xylene	**ND**	**1.2**
o-Xylene	**ND**	**0.9**
Total BTEX	**ND**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**92.1 %**
	1,4-difluorobenzene	**95.9 %**
	Bromochlorobenzene	**97.3 %**

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: **Valencia Canyon Unit #40**

Analyst

Review

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	XTO	Project #:	98031-0528
Sample ID:	NE Section Wall Composite	Date Reported:	05-05-10
Laboratory Number:	54011	Date Sampled:	05-04-10
Chain of Custody:	9277	Date Received:	05-04-10
Sample Matrix:	Soil	Date Analyzed:	05-05-10
Preservative:	Cool	Date Extracted:	05-04-10
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	ND	1.2
o-Xylene	ND	0.9
Total BTEX	ND	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	91.1 %
	1,4-difluorobenzene	90.0 %
	Bromochlorobenzene	96.0 %

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: **Valencia Canyon Unit #40**

Analyst

Review

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	05-05-BTX QA/QC	Date Reported:	05-05-10
Laboratory Number:	53990	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-05-10
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff Accept. Range 0 - 15%	Blank Conc	Detect. Limit
Benzene	1.3395E+006	1.3422E+006	0.2%	ND	0.1
Toluene	1.2345E+006	1.2370E+006	0.2%	ND	0.1
Ethylbenzene	1.1080E+006	1.1102E+006	0.2%	ND	0.1
p,m-Xylene	2.7351E+006	2.7406E+006	0.2%	ND	0.1
o-Xylene	1.0410E+006	1.0431E+006	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	ND	ND	0.0%	0 - 30%	1.0
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.0
p,m-Xylene	ND	ND	0.0%	0 - 30%	1.2
o-Xylene	ND	ND	0.0%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	48.5	97.0%	39 - 150
Toluene	ND	50.0	48.6	97.2%	46 - 148
Ethylbenzene	ND	50.0	49.4	98.9%	32 - 160
p,m-Xylene	ND	100	99.3	99.3%	46 - 148
o-Xylene	ND	50.0	49.9	99.8%	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 53990 - 53992, 53995 - 53999 and 53010 - 53011.

Analyst

Review

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CHAIN OF CUSTODY RECORD

09277

RUSH

Client: XTO	Project Name / Location: Valencia Canyon Unit #40
Client Address: 382 CR 3100	Sampler Name: J McDaniel
Client Phone No.: 787-0519	Client No.: 98031-0528

Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative $HgCl_2$	Preservative HCl	Preservative Cool	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
NE Bottom Composite	5/4/10	1245	54010	Soil Solid Sludge Aqueous	1/4oz			X	X	X												✓	✓
NE Section Wall Composite	5/4/10	1250	54011	Soil Solid Sludge Aqueous	1/4oz			X	X	X												✓	✓
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			
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