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: Gartner #1 (30-045-13036)	Facility Type: Gas Well (Dakota)

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
D	27	26N	11W	890	FNL	890	FWL	San Juan

Latitude: 36.463866 **Longitude:** -107.997468

NATURE OF RELEASE

Type of Release: Condensate	Volume of Release: Unknown	Volume Recovered: None
Source of Release: Leaking Pipe Joint	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 6/4/2010
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom? RCVD JUN 21 '10	
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.*
During maintenance operations at the Gartner #1 well site, a small crack was discovered in the dump line beneath the on-site production tank. Condensate had leaked from the crack for an unknown amount of time. The site was ranked pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and releases. The site was ranked a 40 due to a wash at less than 200 feet from the site, and an expected depth to groundwater of less than 50 feet. This set the closure standard to 100 ppm TPH, 10 ppm benzene and 50 ppm total BTEX.

Describe Area Affected and Cleanup Action Taken.*
The production tank was removed, and approximately 1,950 cubic yards of impacted soil was removed and taken to Envirotech's landfarm for disposal. A composite sample was collected from each of the four (4) walls, and from the bottom at approximately ten (10) feet below ground surface (BGS). A dense, hard sandy shale was encountered at approximately ten (10) feet BGS. Each of the samples was analyzed for benzene and BTEX via USEPA Method 8021, and for TPH via USEPA Method 8015. Each of the four (4) wall samples returned results below the 100 ppm TPH standard, the 10 ppm benzene standard, and the 50 ppm total BTEX standard determined for this site. The sample collected from the shale bottom returned results below the benzene and BTEX standard, but above the 100 ppm TPH standard determined for this site. Due to shale being encountered at this depth, it was determined that maximum reasonable extent of excavation had been reached. No further action is required. The excavation was backfilled with material from Four Corners Material to match the existing soil type at this site. 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: 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: 6/16/2010 Phone: 505-333-3701	

nBP1026533833

2RP

ESC
L·A·B S·C·I·E·N·C·E·S
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12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

James McDaniel
XTO Energy - San Juan Division
382 Road 3100
Aztec, NM 87410

Report Summary

Monday June 14, 2010

Report Number: L463794
Samples Received: 06/11/10
Client Project:

Description: Gartner 1

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: Daphne R Richards

Daphne Richards , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002,NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A

Accreditation is only applicable to the test methods specified on each scope of accreditation held by *ESC Lab Sciences*.
Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

ESC
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

James McDaniel
XTO Energy - San Juan Division
382 Road 3100
Aztec, NM 87410

June 14,2010

ESC Sample # : L463794-01

Date Received : June 11, 2010
Description : Gartner 1

Site ID : GARTNER 1

Sample ID : NORTH WALL

Project # :

Collected By : James McDaniel
Collection Date : 06/09/10 14:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	92.0		%	2540G	06/14/10	1
Benzene	BDL	0.0027	mg/kg	8021/8015	06/14/10	5
Toluene	BDL	0.027	mg/kg	8021/8015	06/14/10	5
Ethylbenzene	BDL	0.0027	mg/kg	8021/8015	06/14/10	5
Total Xylene	BDL	0.0082	mg/kg	8021/8015	06/14/10	5
TPH (GC/FID) Low Fraction	BDL	0.54	mg/kg	GRO	06/14/10	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	106.		% Rec.	8021/8015	06/14/10	5
a,a,a-Trifluorotoluene(PID)	99.6		% Rec.	8021/8015	06/14/10	5
TPH (GC/FID) High Fraction	7.1	4.3	mg/kg	3546/DRO	06/14/10	1
Surrogate recovery(%)						
o-Terphenyl	78.2		% Rec.	3546/DRO	06/14/10	1

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:

The reported analytical results relate only to the sample submitted
Reported: 06/14/10 15:36 Printed: 06/14/10 15:37

Summary of Remarks For Samples Printed
06/14/10 at 15:37:00

TSR Signing Reports: 288
R2 - Rush: Next Day

Only charge 1 energy fee per day for all samples received

Sample: L463794-01 Account: XTORNM Received: 06/11/10 09:00 Due Date: 06/14/10 00:00 RPT Date: 06/14/10 15:36

Company Name/Address

XTO Energy, Inc.
382 County Road 3100
Aztec, NM 87410

Alternate Billing: XTORNM031810S

Report to: James McDaniel

E-mail to: James_McDaniel@xtoenergy.com

Project Description: Gartner #1

City/State Collected: Navajo Reservation

PHONE: 505-333-3701
FAX:

Client Project No.: —

Lab Project #: —

Collected by: James McDaniel

Collected by(signature):

Site/Facility ID#: Gartner #1

P.O.#: —

Packed on Ice N___ Y_X_

Rush? (Lab MUST be Notified)
_X_ Next Day.....100%
_____ Two Day.....50%
_____ Three Day.....25%

Date Results Needed

Email?___No_X__Yes
FAX?____No___Yes

Sample ID	Comp/Grab	Matrix	Depth	Date	Time	No of Cntrs	BTEX (8021) 1-4oz Cool	DRO/GRO (8015) 1-4oz Cool							Remarks/contaminant	Sample # (lab only)
North Wall	Comp	SS	—	6/9/10	1430	1	X	X								463794-01

Chain of Custody
Page___of___

Prepared by: F140

ENVIRONMENTAL Science corp
12065 Lebanon Road
Mt. Juliet TN 37122
Phone (615)758-5858
Phone (800) 767-5859
FAX (615)758-5859

CoCode (lab use only)
XTORNM
Template/Prelogin

Shipped Via: Fed Ex

Matrix: SS-Soil/Solid GW-Groundwater WW-Wastewater DW-Drinking Water OT- Other_____

pH_____ Temp_____

Remarks:

Flow_____ Other_____

Relinquisher by:(Signature)	Date:	Time:	Received by:(Signature)	Samples returned via: FedEx_X_ UPS__Other__	Condition (lab use only)
	6/10/10	0722			
Relinquisher by (Signature	Date:	Time:	Received by: (Signature)	Temp: 3.7°C / Bottles Received: 9	COC SI
Relinquisher by:(Signature	Date:	Time:	Received for lab by: (Signature)	Date: 6-11-10 / Time: 0900	pH Checked: / NCF:

4341 9800 3750

envirotech
Analytical Laboratory

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	XTO	Project #:	98031-0528
Sample ID:	West Wall	Date Reported:	06-14-10
Laboratory Number:	54682	Date Sampled:	06-10-10
Chain of Custody No:	9658	Date Received:	06-10-10
Sample Matrix:	Soil	Date Extracted:	06-11-10
Preservative:	Cool	Date Analyzed:	06-12-10
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	63.5	0.2
Diesel Range (C10 - C28)	26.6	0.1
Total Petroleum Hydrocarbons	90.1	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: **Gartner #1**

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

envirotech
Analytical Laboratory

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	06-12-10 QA/QC	Date Reported:	06-14-10
Laboratory Number:	54690	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-12-10
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	9.9960E+002	1.0000E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	9.9960E+002	1.0000E+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	7.0	6.5	7.1%	0 - 30%
Diesel Range C10 - C28	24.8	22.2	10.5%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	7.0	250	282	110%	75 - 125%
Diesel Range C10 - C28	24.8	250	240	87.2%	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 54682, 54690-54696, 54662 and 54663.**

Analyst

Review

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Analytical Laboratory

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	XTO	Project #:	98031-0528
Sample ID:	West Wall	Date Reported:	06-14-10
Laboratory Number:	54682	Date Sampled:	06-10-10
Chain of Custody:	9658	Date Received:	06-10-10
Sample Matrix:	Soil	Date Analyzed:	06-12-10
Preservative:	Cool	Date Extracted:	06-11-10
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**4.4**	**0.9**
Toluene	**59.3**	**1.0**
Ethylbenzene	**470**	**1.0**
p,m-Xylene	**381**	**1.2**
o-Xylene	**42.9**	**0.9**
Total BTEX	958	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**100 %**
	1,4-difluorobenzene	**100 %**
	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: **Gartner #1**

Analyst

Review

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	0612BBL QA/QC	Date Reported:	06-14-10
Laboratory Number:	54690	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-12-10
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	1.3542E+006	1.3569E+006	0.2%	ND	0.1
Toluene	1.2342E+006	1.2367E+006	0.2%	ND	0.1
Ethylbenzene	1.1084E+006	1.1106E+006	0.2%	ND	0.1
p,m-Xylene	2.7473E+006	2.7528E+006	0.2%	ND	0.1
o-Xylene	9.9687E+005	9.9886E+005	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect. Limit
Benzene	2.0	1.5	25.0%	0 - 30%	0.9
Toluene	8.6	6.6	23.3%	0 - 30%	1.0
Ethylbenzene	3.1	2.4	22.6%	0 - 30%	1.0
p,m-Xylene	13.3	12.6	5.3%	0 - 30%	1.2
o-Xylene	10.8	9.7	10.2%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	2.0	50.0	49.9	95.9%	39 - 150
Toluene	8.6	50.0	48.5	82.7%	46 - 148
Ethylbenzene	3.1	50.0	48.4	91.2%	32 - 160
p,m-Xylene	13.3	100	96.4	85.0%	46 - 148
o-Xylene	10.8	50.0	48.7	80.1%	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 54682, 54690-54696, 54662 and 54663**

Analyst

Review

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CHAIN OF COSTODY RECORD

09658

Client: XTO	Project Name / Location: Gartner #1
Client Address: 382 CR 3100	Sampler Name: J McDaniel
Client Phone No.: 787-0519	Client No.: 98031-0528

ANALYSIS / PARAMETERS

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
West Wall	6/10/10	14⁰⁰	54682	(Soil circled) Solid Sludge Aqueous	1/4oz			X	X	X												Y	Y
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			
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				Soil Solid Sludge Aqueous																			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[illegible]	6/10/10	1505	[illegible]	6/10/10	1505
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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Analytical Laboratory

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Analytical Laboratory

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	XTO Energy	Project #:	98031-0528
Sample ID:	South Wall	Date Reported:	06-13-10
Laboratory Number:	54656	Date Sampled:	06-09-10
Chain of Custody No:	9649	Date Received:	06-09-10
Sample Matrix:	Soil	Date Extracted:	06-09-10
Preservative:	Cool	Date Analyzed:	06-10-10
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.5	0.2
Diesel Range (C10 - C28)	4.8	0.1
Total Petroleum Hydrocarbons	5.3	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: **Gartner #1**

Analyst

Review

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Analytical Laboratory

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	XTO Energy	Project #:	98031-0528
Sample ID:	East wall	Date Reported:	06-13-10
Laboratory Number:	54657	Date Sampled:	06-09-10
Chain of Custody No:	9649	Date Received:	06-09-10
Sample Matrix:	Soil	Date Extracted:	06-09-10
Preservative:	Cool	Date Analyzed:	06-10-10
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.0	0.2
Diesel Range (C10 - C28)	3.6	0.1
Total Petroleum Hydrocarbons	4.6	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: **Gartner #1**

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:	06-10-10 QA/QC	Date Reported:	06-13-10
Laboratory Number:	54593	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-10-10
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	9.9960E+002	1.0000E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	9.9960E+002	1.0000E+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	1.6	1.5	6.3%	0 - 30%
Diesel Range C10 - C28	3.5	4.4	25.7%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	1.6	250	253	100%	75 - 125%
Diesel Range C10 - C28	3.5	250	254	100%	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 54593-54595, 54620, 54621, 54640 and 54654-54657.**

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 8021
AROMATIC VOLATILE ORGANICS

Client:	XTO Energy	Project #:	98031-0528
Sample ID:	South Wall	Date Reported:	06-13-10
Laboratory Number:	54656	Date Sampled:	06-09-10
Chain of Custody:	9649	Date Received:	06-09-10
Sample Matrix:	Soil	Date Analyzed:	06-09-10
Preservative:	Cool	Date Extracted:	06-09-10
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	13.2	0.9
Toluene	4.7	1.0
Ethylbenzene	15.1	1.0
p,m-Xylene	181	1.2
o-Xylene	89.1	0.9
Total BTEX	303	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	100 %
	1,4-difluorobenzene	100 %
	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: **Gartner #1**

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

envirotech
Analytical Laboratory

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	XTO Energy	Project #:	98031-0528
Sample ID:	East wall	Date Reported:	06-13-10
Laboratory Number:	54657	Date Sampled:	06-09-10
Chain of Custody:	9649	Date Received:	06-09-10
Sample Matrix:	Soil	Date Analyzed:	06-10-10
Preservative:	Cool	Date Extracted:	06-09-10
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	4.1	0.9
Toluene	36.8	1.0
Ethylbenzene	25.6	1.0
p,m-Xylene	138	1.2
o-Xylene	0.9	0.9
Total BTEX	205	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**106 %**
	1,4-difluorobenzene	**103 %**
	Bromochlorobenzene	**107 %**

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: **Gartner #1**

Analyst

Review

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	0609BBL2 QA/QC	Date Reported:	06-13-10
Laboratory Number:	54593	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-09-10
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	1.4402E+006	1.4431E+006	0.2%	ND	0.1
Toluene	1.3171E+006	1.3197E+006	0.2%	ND	0.1
Ethylbenzene	1.1825E+006	1.1849E+006	0.2%	ND	0.1
p,m-Xylene	2.9707E+006	2.9767E+006	0.2%	ND	0.1
o-Xylene	1.0913E+006	1.0935E+006	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	4.5	4.4	2.2%	0 - 30%	0.9
Toluene	7.6	8.1	6.6%	0 - 30%	1.0
Ethylbenzene	9.5	8.0	15.8%	0 - 30%	1.0
p,m-Xylene	64.4	63.7	1.1%	0 - 30%	1.2
o-Xylene	20.4	19.0	6.9%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	4.5	50.0	47.6	87.3%	39 - 150
Toluene	7.6	50.0	49.0	85.1%	46 - 148
Ethylbenzene	9.5	50.0	49.9	83.9%	32 - 160
p,m-Xylene	64.4	100	170	103%	46 - 148
o-Xylene	20.4	50.0	73.2	104%	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 54640, 54654-54657, 54593-54595, 54620 and 54621.**

Analyst

Review

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CHAIN OF CUSTODY RECORD

09649

Client: XTO	Project Name / Location: Gartner #1	ANALYSIS / PARAMETERS RUSH
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	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
~~North~~ South Wall JM	6/9/10	1300	54656	(Soil) Solid Sludge Aqueous	1/4oz			X	X	X												✓	✓
East Wall	6/9/10	1520	54657	(Soil) Solid Sludge Aqueous	1/4oz			X	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																			
				Soil Solid Sludge Aqueous																			
				Soil Solid Sludge Aqueous																			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	6/9/10	1655	[signature]	6/9/10	1655
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

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Tax I.D. 62-0814289

Est. 1970

James McDaniel
XTO Energy - San Juan Division
382 Road 3100
Aztec, NM 87410

Report Summary

Wednesday June 16, 2010

Report Number: L463025
Samples Received: 06/08/10
Client Project:

Description: Gartner 1

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: Daphne R Richards

Daphne Richards , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002,NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.
Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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REPORT OF ANALYSIS

James McDaniel
XTO Energy - San Juan Division
382 Road 3100
Aztec, NM 87410

June 16,2010

ESC Sample # : L463025-01

Date Received : June 08, 2010
Description : Gartner 1

Site ID : GARTNER 1

Sample ID : 10 FT BOTTOM SHALE

Project # :

Collected By : James McDaniel
Collection Date : 06/07/10 10:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	86.2		%	2540G	06/09/10	1
Benzene	BDL	0.0029	mg/kg	8021/8015	06/08/10	5
Toluene	BDL	0.029	mg/kg	8021/8015	06/08/10	5
Ethylbenzene	BDL	0.0029	mg/kg	8021/8015	06/08/10	5
Total Xylene	0.011	0.0087	mg/kg	8021/8015	06/08/10	5
TPH (GC/FID) Low Fraction	BDL	0.58	mg/kg	GRO	06/08/10	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	102.		% Rec.	8021/8015	06/08/10	5
a,a,a-Trifluorotoluene(PID)	94.2		% Rec.	8021/8015	06/08/10	5
TPH (GC/FID) High Fraction	4000	93.	mg/kg	3546/DRO	06/09/10	20
Surrogate recovery(%)						
o-Terphenyl	0.00		% Rec.	3546/DRO	06/09/10	20

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:

The reported analytical results relate only to the sample submitted
Reported: 06/09/10 15:19 Revised: 06/16/10 15:16

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L463025-01	WG482454	SAMP	o-Terphenyl	R1247954	J7

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J7	Surrogate recovery limits cannot be evaluated; surrogates were diluted out

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.