

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: XTO Energy, Inc.	Contact: Kurt Hoekstra	
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3100	
Facility Name: Jack Frost Gas Com C # 1E	Facility Type: Gas Well (Basin Dakota)	
Surface Owner: Federal	Mineral Owner	API No.: 30-045-25783

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	26	27N	10W	1520	FNL	450	FEL	San Juan

Latitude 36.54786 Longitude -107.85792

NATURE OF RELEASE

RCVD SEP 11 '14
OIL CONS. DIV.

Type of Release: Condensate/ Produced Water	Volume of Release: 5 BBL Condensate, 13 BBL Produced Water	Volume Recovered: None DIST. 3
Source of Release: Production Tank	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: August 25, 2014 12:00 PM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* On Monday, 8/25/14, an XTO lease operator discovered a corrosion hole approximately 2" up from the bottom of the production tank on the Jack Frost C#1E location. 13 BBL produced water and 5 BBL condensate seeped into the ground inside the tank berm, confirming that a release has occurred at this location. The site was then ranked according to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 0 due to an estimated depth to groundwater of more than 100 feet, distance to water well greater than 1000 feet, and distance to surface water greater than 1000 feet. This set the closure standard to 5000 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX.

Describe Area Affected and Cleanup Action Taken.* A remediation plan was submitted, initial samples were collected using a hand auger at 0-6" and one foot below the tank, the sample results were above the standards for the Remediation of Leaks, Spills and Releases for TPH and BTEX. A one call was made and on 9-3-2014 the site was excavated to approximately 22.5'x18'x7' deep, composite samples were collected from the bottom and all four walls. All samples were below standards for BTEX via EPA Method 8021 and TPH via EPA Method 8015, except the east wall which was below standards for TPH, but still above standards for total BTEX at 197 ppm via EPA method 8021. The excavation continued on 9-5-2014, an additional three feet was excavated from the east wall and another composite sample was collected. This sample result was below the standard of 50 ppm for total BTEX at < 0.35 ppm via EPA Method 8021. No further action is required.

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: <i>Kurt Hoekstra</i>	OIL CONSERVATION DIVISION	
Printed Name: Kurt Hoekstra	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: EHS Coordinator	Approval Date: 9/16/14	Expiration Date:
E-mail Address: Kurt.Hoekstra@xtoenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 9-9-2014 Phone: 505-333-3100		

* Attach Additional Sheets If Necessary

HNC 14261398 27

33

Hoekstra, Kurt

From: McDaniel, James
Sent: Friday, August 29, 2014 3:50 PM
To: 'Brandon Powell (brandon.powell@state.nm.us)'; Smith, Cory, EMNRD; Ketcham, Shari; Mark Kelly (Mark_Kelly@blm.gov)
Cc: Hixon, Logan; Hoekstra, Kurt; Nee, Martin; Daniels, Melissa
Subject: Jack Frost Gas COM C #1E Release

Please accept this email as notification of spill remediation activities to be performed at the Jack Frost C #1E well site (3004525783) located in Section 26H, Township 27N, Range 10W, San Juan County, New Mexico. On 8/25/2014, the lease operator discovered fluid missing from the on-site production tank, and discovered a small, pinhole leak at the base of the tank. Approximately 5 bbls of condensate and 13 bbls of water were lost into the soil inside the bermed area. All liquids remained on-site. The remaining fluids were transferred to the pit tank, and initial soil samples were collected. XTO proposes to excavate the impacted soils beneath the tank, until extents of excavation reach 5,000 ppm TPH, 10 ppm benzene and 50 ppm BTEX, based on a ranking of the site pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. Impacted soil will be hauled to Envirotech's landfarm for disposal, since it is extremely close to the wellsite. Work is scheduled to begin on Wednesday, September 3. Please feel free to contact myself or Kurt Hoekstra for any questions regarding this project. Thank you!

"Safety takes time, take the time to be safe" (PL)

James McDaniel
EH&S Supervisor
CHMM #15676
ASP #A18313
XTO Energy Inc.
382 Road 3100
Aztec, New Mexico 87410
Phone: 505.333.3701 | Mobile: 505.787.0519
james_mcdaniel@xtoenergy.com

An **ExxonMobil** Subsidiary



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Tax I.D. 62-0814289

Est. 1970

Kurt Hoekstra
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

Report Summary

Thursday August 28, 2014

Report Number: L718291

Samples Received: 08/27/14

Client Project: 30-045-25763

Description: Jack Frost GC C 1E

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 Richards , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/BIO041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

This report may not be reproduced, except in full, without written approval from ESC Lab Sciences. 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

Kurt Hoekstra
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

August 28, 2014

Date Received : August 27, 2014
Description : Jack Frost GC C 1E
Sample ID : FARKH-082614-0900 0-6IN
Collected By : Hurt-Otto
Collection Date : 08/26/14 09:00

ESC Sample # : L718291-01

Site ID :

Project # : 30-045-25763

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	86.6		%	2540 G-2011	08/28/14	1
Benzene	47.	0.58	mg/kg	8021	08/27/14	1000
Toluene	280	5.8	mg/kg	8021	08/27/14	1000
Ethylbenzene	80.	0.58	mg/kg	8021	08/27/14	1000
Total Xylene	1100	3.5	mg/kg	8021	08/28/14	2000
TPH (GC/FID) Low Fraction	13000	120	mg/kg	8015	08/27/14	1000
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	91.5		% Rec.	8015	08/27/14	1000
a,a,a-Trifluorotoluene(PID)	98.3		% Rec.	8021	08/27/14	1000
TPH (GC/FID) High Fraction	5500	230	mg/kg	3546/DRO	08/28/14	50
Surrogate recovery(%)						
o-Terphenyl	156.		% Rec.	3546/DRO	08/28/14	50

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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The reported analytical results relate only to the sample submitted

Reported: 08/28/14 16:50 Printed: 08/28/14 16:51



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REPORT OF ANALYSIS

Kurt Hoekstra
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

August 28, 2014

Date Received : August 27, 2014
Description : Jack Frost GC C 1E
Sample ID : FARKH-082614-0910 1FT
Collected By : Hurt-Otto
Collection Date : 08/26/14 09:10

ESC Sample # : L718291-02

Site ID :

Project # : 30-045-25763

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	86.0		%	2540 G-2011	08/28/14	1
Benzene	110	0.58	mg/kg	8021	08/27/14	1000
Toluene	980	58.	mg/kg	8021	08/28/14	10000
Ethylbenzene	98.	0.58	mg/kg	8021	08/27/14	1000
Total Xylene	1900	17.	mg/kg	8021	08/28/14	10000
TPH (GC/FID) Low Fraction	23000	1200	mg/kg	8015	08/28/14	10000
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	90.6		% Rec.	8015	08/27/14	1000
a,a,a-Trifluorotoluene(PID)	95.0		% Rec.	8021	08/27/14	1000
TPH (GC/FID) High Fraction	5800	230	mg/kg	3546/DRO	08/28/14	50
Surrogate recovery(%)						
o-Terphenyl	31.0		% Rec.	3546/DRO	08/28/14	50

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L718291-01	WG739300	SAMP	o-Terphenyl	R2982148	J7
L718291-02	WG739300	SAMP	o-Terphenyl	R2982148	J7

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.

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 Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography 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.

Summary of Remarks For Samples Printed
08/28/14 at 16:51:04

TSR Signing Reports: 288
R2 - Rush: Next Day

Domestic Water Well Sampling-see L609759 Lobato for tests EDD's on ALL projects email James,
Kurt and Logan all reports

Sample: L718291-01 Account: XTORNM Received: 08/27/14 09:00 Due Date: 08/28/14 00:00 RPT Date: 08/28/14 16:50

Sample: L718291-02 Account: XTORNM Received: 08/27/14 09:00 Due Date: 08/28/14 00:00 RPT Date: 08/28/14 16:50



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August 28, 2014

Analyte	Result	Laboratory Blank Units	% Rec	Limit	Batch	Date Analyzed
Total Solids	< .1	%			WG739753	08/28/14 08:25
Benzene	< .0005	mg/kg			WG739674	08/27/14 16:53
Ethylbenzene	< .0005	mg/kg			WG739674	08/27/14 16:53
Toluene	< .005	mg/kg			WG739674	08/27/14 16:53
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG739674	08/27/14 16:53
a,a,a-Trifluorotoluene (FID)	< .1	% Rec.	101.0	59-128	WG739674	08/27/14 16:53
a,a,a-Trifluorotoluene (PID)		% Rec.	102.0	54-144	WG739674	08/27/14 16:53
TPH (GC/FID) High Fraction	< .4	mg/kg			WG739300	08/27/14 21:55
o-Terphenyl		% Rec.	65.40	50-150	WG739300	08/27/14 21:55
Total Xylene	< .0015	mg/kg			WG739845	08/28/14 12:47
a,a,a-Trifluorotoluene (FID)		% Rec.	100.0	59-128	WG739845	08/28/14 12:47
a,a,a-Trifluorotoluene (PID)		% Rec.	100.0	54-144	WG739845	08/28/14 12:47
Toluene	< .005	mg/kg			WG739988	08/28/14 13:58
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG739988	08/28/14 13:58
Total Xylene	< .0015	mg/kg			WG739988	08/28/14 13:58
a,a,a-Trifluorotoluene (FID)		% Rec.	102.0	59-128	WG739988	08/28/14 13:58
a,a,a-Trifluorotoluene (PID)		% Rec.	106.0	54-144	WG739988	08/28/14 13:58

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	86.4	86.0	0.429	5	L718291-02	WG739753

Analyte	Units	Laboratory Control Known Val	Sample Result	% Rec	Limit	Batch
Total Solids	%	50	50.0	100	85-115	WG739753
Benzene	mg/kg	.05	0.0427	85.4	70-130	WG739674
Ethylbenzene	mg/kg	.05	0.0473	94.6	70-130	WG739674
Toluene	mg/kg	.05	0.0461	92.3	70-130	WG739674
a,a,a-Trifluorotoluene (PID)				103.0	54-144	WG739674
TPH (GC/FID) Low Fraction	mg/kg	5.5	4.55	82.7	63.5-137	WG739674
a,a,a-Trifluorotoluene (FID)				99.60	59-128	WG739674
TPH (GC/FID) High Fraction	mg/kg	60	46.9	78.2	50-150	WG739300
o-Terphenyl				80.10	50-150	WG739300
Total Xylene	mg/kg	.15	0.147	97.8	70-130	WG739845
a,a,a-Trifluorotoluene (PID)				103.0	54-144	WG739845
Toluene	mg/kg	.05	0.0451	90.1	70-130	WG739988
Total Xylene	mg/kg	.15	0.141	93.7	70-130	WG739988
a,a,a-Trifluorotoluene (FID)				102.0	59-128	WG739988
a,a,a-Trifluorotoluene (PID)				106.0	54-144	WG739988
TPH (GC/FID) Low Fraction	mg/kg	5.5	4.55	82.8	63.5-137	WG739988
a,a,a-Trifluorotoluene (FID)				100.0	59-128	WG739988

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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Aztec, NM 87410

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Analyte	Units	Result	Ref	Sample Duplicate	Limit	RPD	Limit	Batch
a,a,a-Trifluorotoluene (PID)				%Rec	113.0		54-144	

Analyte	Units	Result	Ref	Sample Duplicate	Limit	RPD	Limit	Batch
Benzene	mg/kg	0.0408	0.0427	82.0	70-130	4.55	20	WG739674
Ethylbenzene	mg/kg	0.0451	0.0473	90.0	70-130	4.84	20	WG739674
Toluene	mg/kg	0.0439	0.0461	88.0	70-130	5.06	20	WG739674
a,a,a-Trifluorotoluene (PID)				103.0	54-144			WG739674
TPH (GC/FID) Low Fraction	mg/kg	4.58	4.55	83.0	63.5-137	0.650	20	WG739674
a,a,a-Trifluorotoluene (FID)				99.60	59-128			WG739674
TPH (GC/FID) High Fraction	mg/kg	46.2	46.9	77.0	50-150	1.67	20	WG739300
o-Terphenyl				74.60	50-150			WG739300
Total Xylene	mg/kg	0.145	0.147	96.0	70-130	1.21	20	WG739845
a,a,a-Trifluorotoluene (PID)				103.0	54-144			WG739845
Toluene	mg/kg	0.0436	0.0451	87.0	70-130	3.29	20	WG739988
Total Xylene	mg/kg	0.137	0.141	91.0	70-130	2.89	20	WG739988
a,a,a-Trifluorotoluene (FID)				101.0	59-128			WG739988
a,a,a-Trifluorotoluene (PID)				106.0	54-144			WG739988
TPH (GC/FID) Low Fraction	mg/kg	4.49	4.55	82.0	63.5-137	1.30	20	WG739988
a,a,a-Trifluorotoluene (FID)				102.0	59-128			WG739988
a,a,a-Trifluorotoluene (PID)				113.0	54-144			WG739988

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Benzene	mg/kg	0.186	0.000249	.05	74.0	49.7-127	L718093-01	WG739674
Ethylbenzene	mg/kg	0.202	0.000192	.05	81.0	40.8-141	L718093-01	WG739674
Toluene	mg/kg	0.200	0.000566	.05	80.0	49.8-132	L718093-01	WG739674
a,a,a-Trifluorotoluene (PID)					103.0	54-144		WG739674
TPH (GC/FID) Low Fraction	mg/kg	17.7	0.0	5.5	64.0	28.5-138	L718093-01	WG739674
a,a,a-Trifluorotoluene (FID)					97.10	59-128		WG739674
Total Xylene	mg/kg	0.684	0.00201	.15	91.0	41.2-140	L718332-13	WG739845
a,a,a-Trifluorotoluene (PID)					102.0	54-144		WG739845
Toluene	mg/kg	0.251	0.00182	.05	100.	49.8-132	L718459-10	WG739988
Total Xylene	mg/kg	0.737	0.00269	.15	98.0	41.2-140	L718459-10	WG739988
a,a,a-Trifluorotoluene (FID)					100.0	59-128		WG739988
a,a,a-Trifluorotoluene (PID)					105.0	54-144		WG739988
TPH (GC/FID) Low Fraction	mg/kg	24.3	0.175	5.5	88.0	28.5-138	L718459-10	WG739988
a,a,a-Trifluorotoluene (FID)					102.0	59-128		WG739988
a,a,a-Trifluorotoluene (PID)					113.0	54-144		WG739988

Analyte	Units	MSD	Ref	Sample Duplicate	Limit	RPD	Limit	Ref Samp	Batch
Benzene	mg/kg	0.170	0.186	67.7	49.7-127	9.49	23.5	L718093-01	WG739674
Ethylbenzene	mg/kg	0.178	0.202	71.0	40.8-141	12.7	23.8	L718093-01	WG739674
Toluene	mg/kg	0.178	0.200	71.2	49.8-132	11.6	23.5	L718093-01	WG739674
a,a,a-Trifluorotoluene (PID)				102.0	54-144				WG739674

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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Analyte	Units	MSD	Matrix Spike Ref	Duplicate %Rec	Limit	RPD	Limit	Ref Samp	Batch
TPH (GC/FID) Low Fraction	mg/kg	17.9	17.7	64.9	28.5-138	1.16	23.6	L718093-01	WG739674
a,a,a-Trifluorotoluene (FID)				97.60	59-128				WG739674
Total Xylene	mg/kg	0.686	0.684	91.2	41.2-140	0.260	23.7	L718332-13	WG739845
a,a,a-Trifluorotoluene (PID)				102.0	54-144				WG739845
Toluene	mg/kg	0.251	0.251	99.8	49.8-132	0.0400	23.5	L718459-10	WG739988
Total Xylene	mg/kg	0.739	0.737	98.2	41.2-140	0.260	23.7	L718459-10	WG739988
a,a,a-Trifluorotoluene (FID)				100.0	59-128				WG739988
a,a,a-Trifluorotoluene (PID)				104.0	54-144				WG739988
TPH (GC/FID) Low Fraction	mg/kg	23.8	24.3	85.9	28.5-138	2.14	23.6	L718459-10	WG739988
a,a,a-Trifluorotoluene (FID)				102.0	59-128				WG739988
a,a,a-Trifluorotoluene (PID)				113.0	54-144				WG739988

Batch number /Run number / Sample number cross reference

WG739753: R2982079: L718291-01 02
WG739674: R2982117: L718291-01 02
WG739300: R2982148: L718291-01 02
WG739845: R2982293: L718291-01
WG739988: R2982385: L718291-02

* * Calculations are performed prior to rounding of reported values.
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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Tax I.D. 62-0814289

Est. 1970

August 28, 2014

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

* Sample ID will be the office and sampler-date-military time FARUM-MMDDYY-1200



Analytical Report

Report Summary

Client: XTO Energy Inc.

Chain Of Custody Number: 0475

Samples Received: 9/3/2014 3:35:00PM

Job Number: 98031-0528

Work Order: P409016

Project Name/Location: Jack Frost GC C#1E

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Tim Cain', is written over a horizontal line.

Tim Cain, Laboratory Manager

Date: 9/5/14

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



XTO Energy Inc.
382 CR 3100
Aztec NM, 87410

Project Name: Jack Frost GC C#1E
Project Number: 98031-0528
Project Manager: James McDaniel

Reported:
05-Sep-14 10:47

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S. Wall	P409016-01A	Soil	09/03/14	09/03/14	Glass Jar, 4 oz.
W. Wall	P409016-02A	Soil	09/03/14	09/03/14	Glass Jar, 4 oz.
N. Wall	P409016-03A	Soil	09/03/14	09/03/14	Glass Jar, 4 oz.
Bottom 7'	P409016-04A	Soil	09/03/14	09/03/14	Glass Jar, 4 oz.
E. Wall	P409016-05A	Soil	09/03/14	09/03/14	Glass Jar, 4 oz.

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Jack Frost GC C#1E Project Number: 98031-0528 Project Manager: James McDaniel	Reported: 05-Sep-14 10:47
---	---	------------------------------

S. Wall
P409016-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
p,m-Xylene	ND	0.10	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
Surrogate: Bromochlorobenzene		80.7 %		50-150	1436019	09/04/14	09/04/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		89.1 %		50-150	1436019	09/04/14	09/04/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1436020	09/04/14	09/04/14	EPA 8015D	
Surrogate: Benzo[a]pyrene		109 %		50-200	1436020	09/04/14	09/04/14	EPA 8015D	

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Jack Frost GC C#1E Project Number: 98031-0528 Project Manager: James McDaniel	Reported: 05-Sep-14 10:47
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**W. Wall
P409016-02 (Solid)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
p,m-Xylene	ND	0.10	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		95.8 %		50-150	1436019	09/04/14	09/04/14	EPA 8021B	
Surrogate: Bromochlorobenzene		82.5 %		50-150	1436019	09/04/14	09/04/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1436020	09/04/14	09/04/14	EPA 8015D	
Surrogate: Benzo[a]pyrene		117 %		50-200	1436020	09/04/14	09/04/14	EPA 8015D	

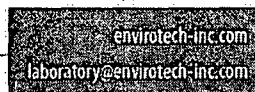
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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Jack Frost GC C#1E Project Number: 98031-0528 Project Manager: James McDaniel	Reported: 05-Sep-14 10:47
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N. Wall
P409016-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
p,m-Xylene	ND	0.10	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
Surrogate: Bromochlorobenzene		84.0 %		50-150	1436019	09/04/14	09/04/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		96.7 %		50-150	1436019	09/04/14	09/04/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1436020	09/04/14	09/04/14	EPA 8015D	
Surrogate: Benzo[a]pyrene		122 %		50-200	1436020	09/04/14	09/04/14	EPA 8015D	

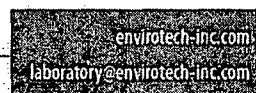
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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Jack Frost GC C#1E Project Number: 98031-0528 Project Manager: James McDaniel	Reported: 05-Sep-14 10:47
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Bottom 7'
P409016-04 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
Toluene	2.88	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
Ethylbenzene	0.90	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
p,m-Xylene	8.38	0.10	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
o-Xylene	1.78	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
Total Xylenes	10.2	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
Total BTEX	13.9	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		101 %		50-150	1436019	09/04/14	09/04/14	EPA 8021B	
Surrogate: Bromochlorobenzene		86.4 %		50-150	1436019	09/04/14	09/04/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	75.8	5.00	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8015D	
Diesel Range Organics (C10-C28)	139	29.9	mg/kg	1	1436020	09/04/14	09/04/14	EPA 8015D	
Surrogate: Benzo[a]pyrene		105 %		50-200	1436020	09/04/14	09/04/14	EPA 8015D	

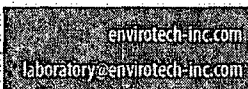
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XTO Energy Inc.
382 CR 3100
Aztec NM, 87410

Project Name: Jack Frost GC C#1E
Project Number: 98031-0528
Project Manager: James McDaniel

Reported:
05-Sep-14 10:47

E. Wall
P409016-05 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	1.02	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
Toluene	42.2	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
Ethylbenzene	15.4	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
p,m-Xylene	107	0.10	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
o-Xylene	31.6	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
Total Xylenes	139	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
Total BTEX	197	0.05	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		204 %		50-150	1436019	09/04/14	09/04/14	EPA 8021B	S-02
Surrogate: Bromochlorobenzene		102 %		50-150	1436019	09/04/14	09/04/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	787	4.99	mg/kg	1	1436019	09/04/14	09/04/14	EPA 8015D	
Diesel Range Organics (C10-C28)	1240	30.0	mg/kg	1	1436020	09/04/14	09/04/14	EPA 8015D	
Surrogate: Benzo[a]pyrene		131 %		50-200	1436020	09/04/14	09/04/14	EPA 8015D	

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Jack Frost GC C#1E Project Number: 98031-0528 Project Manager: James McDaniel	Reported: 05-Sep-14 10:47
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Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1436019 - Purge and Trap EPA 5030A

Blank (1436019-BLK1)				Prepared: 03-Sep-14		Analyzed: 04-Sep-14				
Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.10	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
Surrogate: 1,3-Dichlorobenzene	0.0496		"	0.0498		99.5	50-150			
Surrogate: Bromochlorobenzene	0.0496		"	0.0498		99.6	50-150			

Duplicate (1436019-DUP1)				Source: P409011-02		Prepared: 03-Sep-14		Analyzed: 04-Sep-14		
Benzene	ND	0.05	mg/kg		ND				30	
Toluene	ND	0.05	"		ND				30	
Ethylbenzene	ND	0.05	"		ND				30	
p,m-Xylene	ND	0.10	"		ND				30	
o-Xylene	ND	0.05	"		ND				30	
Surrogate: 1,3-Dichlorobenzene	0.0508		"	0.0499		102	50-150			
Surrogate: Bromochlorobenzene	0.0492		"	0.0499		98.6	50-150			

Matrix Spike (1436019-MS1)				Source: P409011-02		Prepared: 03-Sep-14		Analyzed: 04-Sep-14		
Benzene	45.4		ug/L	50.0	ND	90.9	39-150			
Toluene	45.6		"	50.0	ND	91.3	46-148			
Ethylbenzene	45.0		"	50.0	ND	90.1	32-160			
p,m-Xylene	90.7		"	100	ND	90.7	46-148			
o-Xylene	45.3		"	50.0	ND	90.5	46-148			
Surrogate: 1,3-Dichlorobenzene	2.59		mg/kg	2.50		104	50-150			
Surrogate: Bromochlorobenzene	2.56		"	2.50		102	50-150			

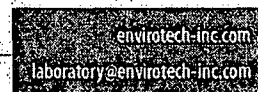
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XTO Energy Inc.
382 CR 3100
Aztec NM, 87410

Project Name: Jack Frost GC C#1E
Project Number: 98031-0528
Project Manager: James McDaniel

Reported:
05-Sep-14 10:47

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1436019 - Purge and Trap EPA 5030A

Blank (1436019-BLK1)

Prepared: 03-Sep-14 Analyzed: 04-Sep-14

Gasoline Range Organics (C6-C10) ND 4.98 mg/kg

Duplicate (1436019-DUP1)

Source: P409011-02

Prepared: 03-Sep-14 Analyzed: 04-Sep-14

Gasoline Range Organics (C6-C10) ND 4.99 mg/kg

ND

30

Matrix Spike (1436019-MS1)

Source: P409011-02

Prepared: 03-Sep-14 Analyzed: 04-Sep-14

Gasoline Range Organics (C6-C10) 0.41 mg/L

0.450

ND

90.2

75-125

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Jack Frost GC C#1E Project Number: 98031-0528 Project Manager: James McDaniel	Reported: 05-Sep-14 10:47
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Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1436020 - DRO Extraction EPA 3550M										
Blank (1436020-BLK1)					Prepared: 03-Sep-14		Analyzed: 04-Sep-14			
Diesel Range Organics (C10-C28)	ND	24.9	mg/kg							
Surrogate: Benzo[a]pyrene	18.3		"	19.9		92.0	50-200			
LCS (1436020-BS1)					Prepared: 03-Sep-14		Analyzed: 04-Sep-14			
Diesel Range Organics (C10-C28)	491	25.0	mg/kg	500		98.4	38-132			
Surrogate: Benzo[a]pyrene	20.7		"	20.0		104	50-200			
Matrix Spike (1436020-MS1)					Source: P409011-02		Prepared: 03-Sep-14		Analyzed: 04-Sep-14	
Diesel Range Organics (C10-C28)	645	29.9	mg/kg	499	40.0	121	38-132			
Surrogate: Benzo[a]pyrene	24.8		"	20.0		124	50-200			
Matrix Spike Dup (1436020-MSD1)					Source: P409011-02		Prepared: 03-Sep-14		Analyzed: 04-Sep-14	
Diesel Range Organics (C10-C28)	788	30.0	mg/kg	499	40.0	150	38-132	20.0	20	SPK1
Surrogate: Benzo[a]pyrene	21.8		"	20.0		109	50-200			

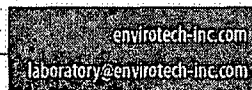
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XTO Energy Inc.
382 CR 3100
Aztec NM, 87410

Project Name: Jack Frost GC C#1E
Project Number: 98031-0528
Project Manager: James McDaniel

Reported:
05-Sep-14 10:47

Notes and Definitions

SPK1 The spike recovery for this QC sample is outside of control limits.

S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

DET Analyte DETECTED

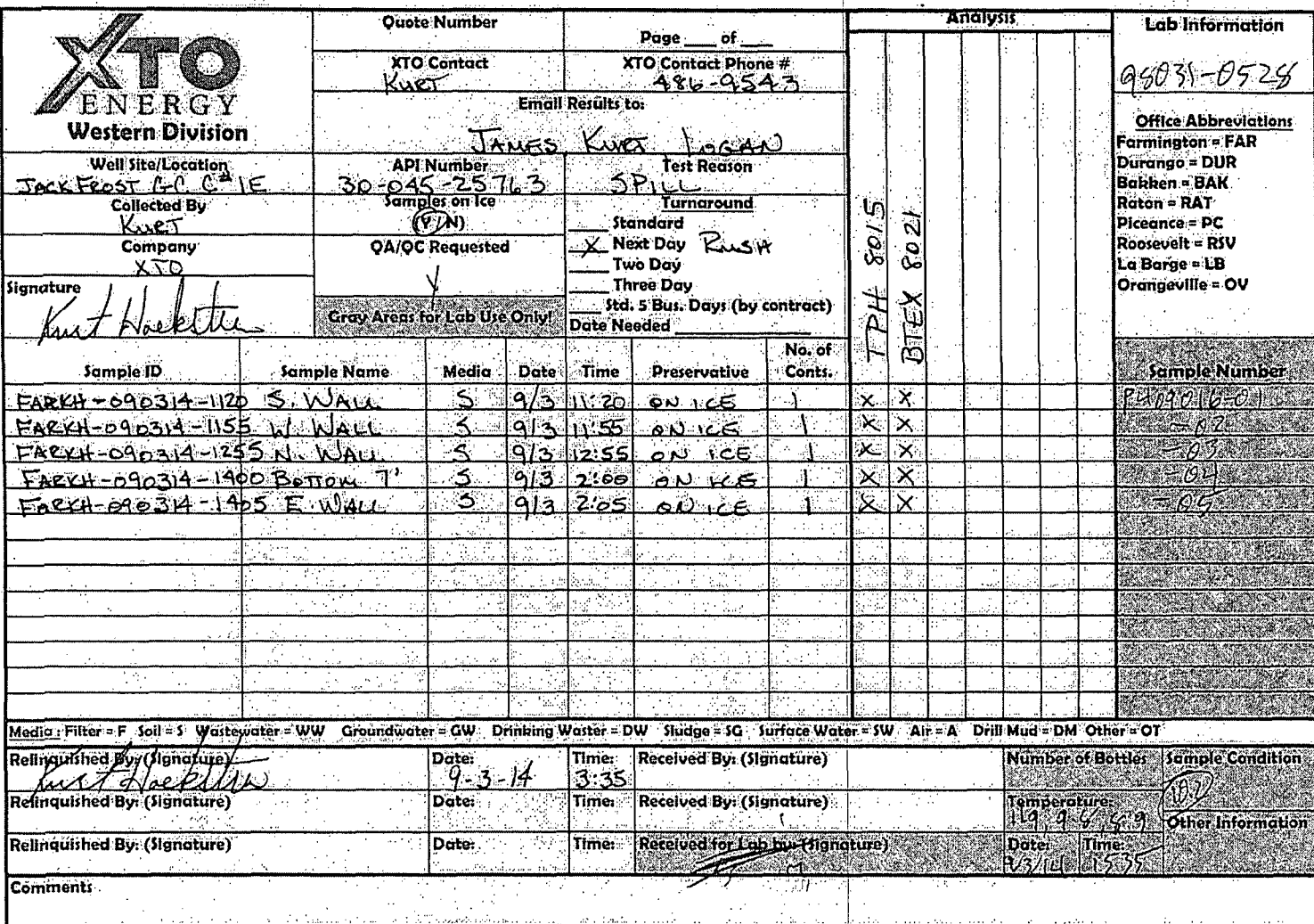
ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

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* Sample ID will be the office and sampler-date-military time: FARJM-MMDDYY-1200.

0.475



Analytical Report

Report Summary

Client: XTO Energy Inc.

Chain Of Custody Number: 0487

Samples Received: 9/5/2014 11:35:00AM

Job Number: 98031-0528

Work Order: P409027

Project Name/Location: Jack Frost GC C #1E

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read "Tim Cain", is written over a horizontal line.

Tim Cain, Laboratory Manager

Date: 9/9/14

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



XTO Energy Inc.
382 CR 3100
Aztec NM, 87410

Project Name: Jack Frost GC C #1E
Project Number: 98031-0528
Project Manager: James McDaniel

Reported:
09-Sep-14 14:34

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Second Sample E. Wall	P409027-01A	Soil	09/05/14	09/05/14	Glass Jar, 4 oz.

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XTO Energy Inc.
382 CR 3100
Aztec NM, 87410

Project Name: Jack Frost GC C #1E
Project Number: 98031-0528
Project Manager: James McDaniel

Reported:
09-Sep-14 14:34

**Second Sample E. Wall
P409027-01 (Solid)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1436039	09/05/14	09/08/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1436039	09/05/14	09/08/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1436039	09/05/14	09/08/14	EPA 8021B	
p,m-Xylene	ND	0.10	mg/kg	1	1436039	09/05/14	09/08/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1436039	09/05/14	09/08/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1436039	09/05/14	09/08/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1436039	09/05/14	09/08/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		105 %		50-150	1436039	09/05/14	09/08/14	EPA 8021B	
Surrogate: Bromochlorobenzene		112 %		50-150	1436039	09/05/14	09/08/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1	1436039	09/05/14	09/08/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	40.0	mg/kg	2	1437001	09/08/14	09/08/14	EPA 8015D	
Surrogate: Benzo[a]pyrene		76.1 %		50-200	1437001	09/08/14	09/08/14	EPA 8015D	

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Jack Frost GC C #1E Project Number: 98031-0528 Project Manager: James McDaniel	Reported: 09-Sep-14 14:34
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Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1436039 - Purge and Trap EPA 5030A

Blank (1436039-BLK1)

Prepared: 05-Sep-14 Analyzed: 08-Sep-14

Benzene	ND	0.001	mg/kg							
Toluene	ND	0.001	"							
Ethylbenzene	ND	0.001	"							
p,m-Xylene	ND	0.002	"							
o-Xylene	ND	0.001	"							
Total Xylenes	ND	0.001	"							
Total BTEX	ND	0.001	"							

Surrogate: 1,3-Dichlorobenzene	51.0		ug/L	50.0		102	50-150			
Surrogate: Bromochlorobenzene	53.2		"	50.0		106	50-150			

Duplicate (1436039-DUP1)

Source: P409027-01

Prepared: 05-Sep-14 Analyzed: 08-Sep-14

Benzene	ND	0.05	mg/kg	ND					30	
Toluene	ND	0.05	"	ND					30	
Ethylbenzene	ND	0.05	"	ND					30	
p,m-Xylene	ND	0.10	"	ND					30	
o-Xylene	ND	0.05	"	ND					30	

Surrogate: 1,3-Dichlorobenzene	51.7		ug/L	50.0		103	50-150			
Surrogate: Bromochlorobenzene	54.3		"	50.0		109	50-150			

Matrix Spike (1436039-MS1)

Source: P409027-01

Prepared: 05-Sep-14 Analyzed: 08-Sep-14

Benzene	49.3		ug/L	50.0	ND	98.6	39-150			
Toluene	50.5		"	50.0	ND	101	46-148			
Ethylbenzene	51.0		"	50.0	ND	102	32-160			
p,m-Xylene	102		"	100	ND	102	46-148			
o-Xylene	51.7		"	50.0	ND	103	46-148			

Surrogate: 1,3-Dichlorobenzene	51.9		"	50.0		104	50-150			
Surrogate: Bromochlorobenzene	54.2		"	50.0		108	50-150			

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Jack Frost GC C #1E Project Number: 98031-0528 Project Manager: James McDaniel	Reported: 09-Sep-14 14:34
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Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1436039 - Purge and Trap EPA 5030A

Blank (1436039-BLK1)

Prepared: 05-Sep-14 Analyzed: 08-Sep-14

Gasoline Range Organics (C6-C10)	ND	0.10	mg/kg							
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Duplicate (1436039-DUP1)

Source: P409027-01

Prepared: 05-Sep-14 Analyzed: 08-Sep-14

Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg		ND				30	
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Matrix Spike (1436039-MS1)

Source: P409027-01

Prepared: 05-Sep-14 Analyzed: 08-Sep-14

Gasoline Range Organics (C6-C10)	0.48		mg/L	0.450	ND	106	75-125			
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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: Jack Frost GC C #1E Project Number: 98031-0528 Project Manager: James McDaniel	Reported: 09-Sep-14 14:34
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Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1437001 - DRO Extraction EPA 3550M										
Blank (1437001-BLK1)					Prepared & Analyzed:	08-Sep-14				
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: Benzo[a]pyrene	10.6		"	20.0		53.2	50-200			
LCS (1437001-BS1)					Prepared & Analyzed:	08-Sep-14				
Diesel Range Organics (C10-C28)	585	25.0	mg/kg	499		117	38-132			
Surrogate: Benzo[a]pyrene	15.1		"	20.0		75.5	50-200			
Matrix Spike (1437001-MS1)					Source: P409027-01	Prepared & Analyzed:	08-Sep-14			
Diesel Range Organics (C10-C28)	512	39.9	mg/kg	499	ND	103	38-132			
Surrogate: Benzo[a]pyrene	14.2		"	20.0		71.0	50-200			
Matrix Spike Dup (1437001-MSD1)					Source: P409027-01	Prepared & Analyzed:	08-Sep-14			
Diesel Range Organics (C10-C28)	545	39.9	mg/kg	499	ND	109	38-132	6.34	20	
Surrogate: Benzo[a]pyrene	13.4		"	20.0		67.0	50-200			

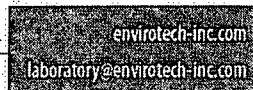
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XTO Energy Inc.
382 CR 3100
Aztec NM, 87410

Project Name: Jack Frost GC C #1E
Project Number: 98031-0528
Project Manager: James McDaniel

Reported:
09-Sep-14 14:34

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

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* Sample ID will be the office and sampler-date-military time FARJM-MMDDYY-1200