

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: EJ Johnson C # 1E	Facility Type: Gas Well (Basin Dakota)	
Surface Owner: Federal	Mineral Owner	API No.: 30-045-24206

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	21	27N	10W	860	FNL	1820	FWL	San Juan

Latitude 36.565649 Longitude -107.903701

NATURE OF RELEASE

Type of Release: Condensate/Produced Water	Volume of Release: Unknown	Volume Recovered: None
Source of Release: Historical	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 11/21/2013 JK 4/14/2014
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.	

RCVD DEC 18 '13

If a Watercourse was Impacted, Describe Fully.*

OIL CONS. DIV.
DIST. 3

Describe Cause of Problem and Remedial Action Taken.* The Production tank was moved at the EJ Johnson C # 1E well site due to facility upgrades. The soil below the production tank was stained and a sample was taken and tested for, TPH via USEPA Method 8015 and, for BTEX via USEPA Method 8021. The site was then ranked according to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 40 due to an estimated depth to groundwater of less than 50 feet, distance to a water well greater than 1000 feet, and distance to surface water less than 200 feet. This set the closure standard to 100 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX. The sample returned results below the spill remediation guidelines for benzene, and total BTEX, but above the 100 ppm TPH standard at 900 ppm via USEPA Method 8015, confirming that a release has occurred at this location.

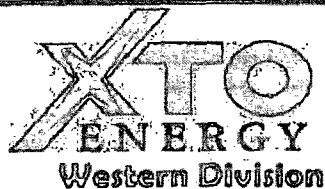
Describe Area Affected and Cleanup Action Taken.* Based on TPH results of 900 ppm via USEPA Method 8015 a release has been confirmed at this location. Notifications and a one call were made and an excavation began on 12-9-2013, samples were collected from the bottom and 3 walls of the excavation. The north wall PID reading was 974 ppm and was not sent to the lab, the three wall samples and the bottom sample were all below the spill remediation guidelines. The excavation continued on the north wall and a sample was collected and taken to Envirotech, this sample returned TPH results of 225 ppm EPA Method 8015. The excavation resumed on 12-12-2013 and a final sample was collected from the north wall. This sample produced results of < 34.89 ppm TPH, which is below the guidelines of 100 ppm TPH. Sample results are enclosed with this report. The extent of the excavation was approximately 36 feet by 26 feet by 11 feet deep, total yards of soil excavated were approximately 630. The impacted soil was taken to Envirotech. The excavation was backfilled and no other 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>Spencer D. Kelly</i>	
Title: EHS Coordinator	Approval Date: 4/15/2014	Expiration Date:
E-mail Address: Kurt_Hoekstra@xtoenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 12-16-2013	Phone: 505-333-3100	

WJK 1410535135

37



Quote Number

Page 1 of 1

Analysis

Lab Information

XTO Contact

Logan Hixon

XTO Contact Phone #

505 3868018

Email Results to:

Logan, Curt, James

Office Abbreviations

Farmington = FAR
Durango = DUR
Bahen = BAH
Raton = RAT
Piceance = PC
Roosevelt = RSV
La Barge = LB
Oranovilla = OV
D072

Well Site/Location
EJ Johnson C#1E

API Number

30-045-24206

Test Reason

ST Legacy release
Turnaround

Collected By

Logan Hixon

Samples on Ice

(Y/N)

Standard

Company

XTO

QA/QC Requested

☒ Next Day

Two Day

Three Day

Std. 5 Bus. Days (by contract)

Signature

Logan H

Gray Areas for Lab Use Only!

Date Needed

Sample ID

Sample Name

Media

Date

Time

Preservative

No. of
Conts.

Sample Number

FARLH-112613-11:45 SURFACE Soil 1126 11:45 COOL 1-40T

FARLH-112613-12:00 T. ALGER Soil 1126 12:00 COOL 1-40T

Media: Filter = F Soil = S Wastewater = WW Groundwater = GW Drinking Water = DW Sludge = SG Surface Water = SW Air = A Drill Mud = DM Other = OT

Relinquished By: (Signature)

Date:

Time:

Received By: (Signature)

Number of Bottles:

Sample Condition

Relinquished By: (Signature)

Date:

Time:

Received By: (Signature)

Temperature:

Other Information

Relinquished By: (Signature)

Date:

Time:

Received for Lab by (Signature)

Date:

Time:

Comments

7972 5406 3481e Total = 24406

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

0333



12065 Lebanon Rd.
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Tax I.D. 62-0814289

Est. 1970

Logan Hixon
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

Report Summary

Monday December 02, 2013

Report Number: L670953

Samples Received: 11/27/13

Client Project:

Description: EJ Johnson 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.

Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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REPORT OF ANALYSIS

December 02, 2013

Logan Hixon
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

ESC Sample # : L670953-01

Date Received : November 27, 2013
Description : EJ Johnson C 1E

Site ID :

Sample ID : FARLH-112613-1145

Project # :

Collected By : Logan Hixon
Collection Date : 11/26/13 11:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	89.9	0.100	%	2540 G-2011	11/29/13	1
Benzene	BDL	0.056	mg/kg	8021/8015	12/01/13	100
Toluene	0.87	0.56	mg/kg	8021/8015	12/01/13	100
Ethylbenzene	0.11	0.056	mg/kg	8021/8015	12/01/13	100
Total Xylene	11.	0.17	mg/kg	8021/8015	12/01/13	100
TPH (GC/FID) Low Fraction	480	11.	mg/kg	GRO	12/01/13	100
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	89.8		% Rec.	8021/8015	12/01/13	100
a,a,a-Trifluorotoluene(PID)	99.9		% Rec.	8021/8015	12/01/13	100
TPH (GC/FID) High Fraction	420	22.	mg/kg	3546/DRO	11/29/13	5
Surrogate recovery(%)						
o-Terphenyl	66.7		% Rec.	3546/DRO	11/29/13	5

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: 12/02/13 12:48 Printed: 12/02/13 12:56



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REPORT OF ANALYSIS

December 02, 2013

Logan Hixon
XTO Energy - San Juan Division
382 County Road 3100
Aztec, NM 87410

Date Received : November 27, 2013
Description : EJ Johnson C 1E
Sample ID : FARLH-112613-1200
Collected By : Logan Hixon
Collection Date : 11/26/13 12:00

ESC Sample # : L670953-02

Site ID :

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	88.2	0.100	%	2540 G-2011	11/29/13	1
Benzene	BDL	0.0028	mg/kg	8021/8015	12/01/13	5
Toluene	BDL	0.028	mg/kg	8021/8015	12/01/13	5
Ethylbenzene	BDL	0.0028	mg/kg	8021/8015	12/01/13	5
Total Xylene	BDL	0.0085	mg/kg	8021/8015	12/01/13	5
TPH (GC/FID) Low Fraction	0.68	0.57	mg/kg	GRO	12/01/13	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	91.7		% Rec.	8021/8015	12/01/13	5
a,a,a-Trifluorotoluene(PID)	100.		% Rec.	8021/8015	12/01/13	5
TPH (GC/FID) High Fraction	BDL	9.1	mg/kg	3546/DRO	11/29/13	2
Surrogate recovery(%)						
o-Terphenyl	63.6		% Rec.	3546/DRO	11/29/13	2

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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Reported: 12/02/13 12:48 Printed: 12/02/13 12:56

L670953-02 (DRO) - Dilution due to matrix

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L670953-02	WG694715	SAMP	TPH (GC/FID) High Fraction	R2860844	0

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
O	(ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary 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.



YOUR LAB OF CHOICE

XTO Energy - San Juan Division
Logan Hixon
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L670953

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Analyte	Result	Laboratory Blank Units % Rec	Limit	Batch	Date Analyzed
TPH (GC/FID) High Fraction o-Terphenyl	< 4	mg/kg % Rec. 84.20	50-150	WG694715 WG694715	11/29/13 01:40 11/29/13 01:40
Total Solids	< .1	%		WG694687	11/29/13 10:05
Benzene	< .0005	mg/kg		WG694921	11/30/13 23:48
Ethylbenzene	< .0005	mg/kg		WG694921	11/30/13 23:48
Toluene	< .005	mg/kg		WG694921	11/30/13 23:48
TPH (GC/FID) Low Fraction	< .1	mg/kg		WG694921	11/30/13 23:48
Total Xylene	< .0015	mg/kg		WG694921	11/30/13 23:48
a,a,a-Trifluorotoluene(FID)		% Rec. 92.50	59-128	WG694921	11/30/13 23:48
a,a,a-Trifluorotoluene(PID)		% Rec. 101.0	54-144	WG694921	11/30/13 23:48

Analyte	Units	Result	Duplicate Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	75.4	73.4	2.68	5	L670968-01	WG694687

Analyte	Units	Laboratory Control Known Val	Sample Result	% Rec	Limit	Batch
TPH (GC/FID) High Fraction o-Terphenyl	mg/kg	60	41.9	69.8 82.80	50-150 50-150	WG694715 WG694715
Total Solids	%	50	50.0	100.	85-115	WG694687
Benzene	mg/kg	.05	0.0454	90.8	70-130	WG694921
Ethylbenzene	mg/kg	.05	0.0466	93.1	70-130	WG694921
Toluene	mg/kg	.05	0.0457	91.4	70-130	WG694921
Total Xylene	mg/kg	.15	0.141	94.0	70-130	WG694921
a,a,a-Trifluorotoluene(PID)				100.0	54-144	WG694921
TPH (GC/FID) Low Fraction	mg/kg	5.5	4.60	83.7	63.5-137	WG694921
a,a,a-Trifluorotoluene(FID)				99.40	59-128	WG694921

Analyte	Units	Laboratory Control Result	Sample Ref	Duplicate %Rec	Limit	RPD	Limit	Batch
TPH (GC/FID) High Fraction o-Terphenyl	mg/kg	44.5	41.9	74.0 85.40	50-150 50-150	6.13	20	WG694715 WG694715
Benzene	mg/kg	0.0473	0.0454	95.0	70-130	4.16	20	WG694921
Ethylbenzene	mg/kg	0.0487	0.0466	97.0	70-130	4.38	20	WG694921
Toluene	mg/kg	0.0475	0.0457	95.0	70-130	3.84	20	WG694921
Total Xylene	mg/kg	0.147	0.141	98.0	70-130	4.38	20	WG694921
a,a,a-Trifluorotoluene(PID)				101.0	54-144			WG694921
TPH (GC/FID) Low Fraction	mg/kg	4.68	4.60	85.0	63.5-137	1.71	20	WG694921
a,a,a-Trifluorotoluene(FID)				99.50	59-128			WG694921

Analyte	Units	MS Res	Matrix Spike Ref Res	TV	% Rec	Limit	Ref Samp	Batch
TPH (GC/FID) High Fraction o-Terphenyl	mg/kg	29.5	0.116	60	49.0* 66.70	50-150 50-150	L671021-01	WG694715 WG694715

* 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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XTO Energy - San Juan Division
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Quality Assurance Report
Level II

L670953

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December 02, 2013

Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
Benzene	mg/kg	0.220	0.000338	.05	88.0	49.7-127	L671251-01	WG694921
Ethylbenzene	mg/kg	0.214	0.000202	.05	85.0	40.8-141	L671251-01	WG694921
Toluene	mg/kg	0.215	0.000545	.05	86.0	49.8-132	L671251-01	WG694921
Total Xylene	mg/kg	0.644	0.000925	.15	86.0	41.2-140	L671251-01	WG694921
a,a,a-Trifluorotoluene(PID)					100.0	54-144		WG694921
TPH (GC/FID) Low Fraction	mg/kg	18.9	0.0410	5.5	69.0	28.5-138	L671251-01	WG694921
a,a,a-Trifluorotoluene(FID)					97.60	59-128		WG694921

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
TPH (GC/FID) High Fraction	mg/kg	39.0	29.5	64.7	50-150	27.7*	20	L671021-01	WG694715
o-Terphenyl				66.50	50-150				WG694715
TPH (GC/FID) Low Fraction	mg/kg	18.4	18.9	66.6	28.5-138	3.12	23.6	L671251-01	WG694921
a,a,a-Trifluorotoluene(FID)				97.00	59-128				WG694921
Benzene	mg/kg	0.175	0.220	70.0	49.7-127	22.7	23.5	L671251-01	WG694921
Ethylbenzene	mg/kg	0.204	0.214	81.7	40.8-141	4.42	23.8	L671251-01	WG694921
Toluene	mg/kg	0.177	0.215	70.4	49.8-132	19.8	23.5	L671251-01	WG694921
Total Xylene	mg/kg	0.596	0.644	79.3	41.2-140	7.80	23.7	L671251-01	WG694921
a,a,a-Trifluorotoluene(PID)				101.0	54-144				WG694921

Batch number /Run number / Sample number cross reference

WG694715: R2860844: L670953-01 02
WG694687: R2860891: L670953-01 02
WG694921: R2861341: L670953-01 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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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.



Analytical Report

Report Summary

Client: XTO Energy Inc.

Chain Of Custody Number: 0449

Samples Received: 12/9/2013 4:42:00PM

Job Number: 9801-0528

Work Order: P312045

Project Name/Location: EJ Johnson C #1E

Entire Report Reviewed By:

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

Date: 12/11/13

Tim Cain, Laboratory Manager

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: EJ Johnson C #1E
Project Number: 9801-0528
Project Manager: James McDaniel

Reported:
11-Dec-13 14:27

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
E. Wall	P312045-01A	Soil	12/09/13	12/09/13	Glass Jar, 4 oz.
S. Wall	P312045-02A	Soil	12/09/13	12/09/13	Glass Jar, 4 oz.
W. Wall	P312045-03A	Soil	12/09/13	12/09/13	Glass Jar, 4 oz.
Bottom	P312045-04A	Soil	12/09/13	12/09/13	Glass Jar, 4 oz.

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

envirotech-inc.com

laboratory@envirotech-inc.com



XTO Energy Inc.
382 CR 3100
Aztec NM, 87410

Project Name: EJ Johnson C #1E
Project Number: 9801-0528
Project Manager: James McDaniel

Reported:
11-Dec-13 14:27

E. Wall

P312045-01 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1		1350001	12/10/13	12/10/13	EPA 8021B	
Toluene	ND	0.05	mg/kg	1		1350001	12/10/13	12/10/13	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1		1350001	12/10/13	12/10/13	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1		1350001	12/10/13	12/10/13	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1		1350001	12/10/13	12/10/13	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1		1350001	12/10/13	12/10/13	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1		1350001	12/10/13	12/10/13	EPA 8021B	
Surrogate: Bromochlorobenzene		96.3 %		80-120		1350001	12/10/13	12/10/13	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		93.1 %		80-120		1350001	12/10/13	12/10/13	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	6.73	4.99	mg/kg	1		1350001	12/10/13	12/10/13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1		1350002	12/09/13	12/09/13	EPA 8015D	
GRO and DRO Combined Fractions	6.73	4.99	mg/kg			[CALC]	12/10/13	12/10/13	EPA 8015D	

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XTO Energy Inc.
382 CR 3100
Aztec NM, 87410

Project Name: EJ Johnson C #1E
Project Number: 9801-0528
Project Manager: James McDaniel

Reported:
11-Dec-13 14:27

S. Wall
P312045-02 (Solid)

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1350001	12/10/13	12/10/13	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1350001	12/10/13	12/10/13	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1350001	12/10/13	12/10/13	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1350001	12/10/13	12/10/13	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1350001	12/10/13	12/10/13	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1350001	12/10/13	12/10/13	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1350001	12/10/13	12/10/13	EPA 8021B	
Surrogate: Bromochlorobenzene		94.1 %		80-120	1350001	12/10/13	12/10/13	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		90.8 %		80-120	1350001	12/10/13	12/10/13	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.98	mg/kg	1	1350001	12/10/13	12/10/13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1350002	12/09/13	12/09/13	EPA 8015D	
GRO and DRO Combined Fractions	ND	4.98	mg/kg		[CALC]	12/10/13	12/10/13	EPA 8015D	

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: EJ Johnson C #1E Project Number: 9801-0528 Project Manager: James McDaniel	Reported: 11-Dec-13 14:27
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W. Wall
P312045-03 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1		1350001	12/10/13	12/10/13	EPA 8021B	
Toluene	ND	0.05	mg/kg	1		1350001	12/10/13	12/10/13	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1		1350001	12/10/13	12/10/13	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1		1350001	12/10/13	12/10/13	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1		1350001	12/10/13	12/10/13	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1		1350001	12/10/13	12/10/13	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1		1350001	12/10/13	12/10/13	EPA 8021B	
Surrogate: Bromochlorobenzene		93.4 %		80-120		1350001	12/10/13	12/10/13	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		90.8 %		80-120		1350001	12/10/13	12/10/13	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	6.04	4.99	mg/kg	1		1350001	12/10/13	12/10/13	EPA 8015D	
Diesel Range Organics (C10-C28)	37.6	29.9	mg/kg	1		1350002	12/09/13	12/09/13	EPA 8015D	
GRO and DRO Combined Fractions	43.7	4.99	mg/kg			[CALC]	12/10/13	12/10/13	EPA 8015D	

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: EJ Johnson C #1E Project Number: 9801-0528 Project Manager: James McDaniel	Reported: 11-Dec-13 14:27
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Bottom
P312045-04 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1		1350001	12/10/13	12/10/13	EPA 8021B	
Toluene	ND	0.05	mg/kg	1		1350001	12/10/13	12/10/13	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1		1350001	12/10/13	12/10/13	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1		1350001	12/10/13	12/10/13	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1		1350001	12/10/13	12/10/13	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1		1350001	12/10/13	12/10/13	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1		1350001	12/10/13	12/10/13	EPA 8021B	
Surrogate: Bromochlorobenzene		93.3 %		80-120		1350001	12/10/13	12/10/13	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		90.8 %		80-120		1350001	12/10/13	12/10/13	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	4.98	mg/kg	1		1350001	12/10/13	12/10/13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1		1350002	12/09/13	12/09/13	EPA 8015D	
GRO and DRO Combined Fractions	ND	4.98	mg/kg			[CALC]	12/10/13	12/10/13	EPA 8015D	

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XTO Energy Inc.
382 CR 3100
Aztec NM, 87410

Project Name: EJ Johnson C #1E
Project Number: 9801-0528
Project Manager: James McDaniel

Reported:
11-Dec-13 14:27

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 1350001 - Purge and Trap EPA 5030A

Blank (1350001-BLK1)

Prepared & Analyzed: 09-Dec-13

Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.05	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
Surrogate: 1,3-Dichlorobenzene	48.7		ug/L	50.0		97.3	80-120			
Surrogate: Bromochlorobenzene	50.6		"	50.0		101	80-120			

Duplicate (1350001-DUP1)

Source: P312038-01

Prepared: 09-Dec-13 Analyzed: 10-Dec-13

Benzene	ND	0.05	mg/kg		ND				30	
Toluene	ND	0.05	"		ND				30	
Ethylbenzene	ND	0.05	"		ND				30	
p,m-Xylene	ND	0.05	"		ND				30	
o-Xylene	ND	0.05	"		ND				30	
Surrogate: 1,3-Dichlorobenzene	46.8		ug/L	50.0		93.5	80-120			
Surrogate: Bromochlorobenzene	49.7		"	50.0		99.4	80-120			

Matrix Spike (1350001-MS1)

Source: P312038-01

Prepared: 09-Dec-13 Analyzed: 10-Dec-13

Benzene	37.2		ug/L	50.0	ND	74.4	39-150			
Toluene	51.4		"	50.0	ND	103	46-148			
Ethylbenzene	51.6		"	50.0	ND	103	32-160			
p,m-Xylene	102		"	100	ND	102	46-148			
o-Xylene	50.6		"	50.0	ND	101	46-148			
Surrogate: 1,3-Dichlorobenzene	50.2		"	50.0		100	80-120			
Surrogate: Bromochlorobenzene	52.4		"	50.0		105	80-120			

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: EJ Johnson C #1E Project Number: 9801-0528 Project Manager: James McDaniel	Reported: 11-Dec-13 14:27
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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 1350001 - Purge and Trap EPA 5030A

Blank (1350001-BLK1)

Prepared & Analyzed: 09-Dec-13

Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg							
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Duplicate (1350001-DUP1)

Source: P312038-01

Prepared: 09-Dec-13 Analyzed: 10-Dec-13

Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg		ND				30	
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Matrix Spike (1350001-MS1)

Source: P312038-01

Prepared: 09-Dec-13 Analyzed: 10-Dec-13

Gasoline Range Organics (C6-C10)	0.48		mg/L	0.450	0.07	91.1	75-125			
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XTO Energy Inc.
382 CR 3100
Aztec NM, 87410

Project Name: EJ Johnson C #1E
Project Number: 9801-0528
Project Manager: James McDaniel

Reported:
11-Dec-13 14:27

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 1350002 - DRO Extraction EPA 3550C

Blank (1350002-BLK1)

Prepared & Analyzed: 09-Dec-13

Diesel Range Organics (C10-C28) ND 30.0 mg/kg

Duplicate (1350002-DUP1)

Source: P312038-01

Prepared & Analyzed: 09-Dec-13

Diesel Range Organics (C10-C28) ND 30.0 mg/kg ND 30

Matrix Spike (1350002-MS1)

Source: P312038-01

Prepared & Analyzed: 09-Dec-13

Diesel Range Organics (C10-C28) 167 31.6 mg/kg 263 ND 63.6 75-125 SPK I

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XTO Energy Inc.
382 CR 3100
Aztec NM, 87410

Project Name: EJ Johnson C #1E
Project Number: 9801-0528
Project Manager: James McDaniel

Reported:
11-Dec-13 14:27

Notes and Definitions

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

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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Analytical Report

Report Summary

Client: XTO Energy Inc.

Chain Of Custody Number: 0450

Samples Received: 12/10/2013 3:49:00PM

Job Number: 98031-0528

Work Order: P312050

Project Name/Location: EJ Johnson C #1E

Entire Report Reviewed By:

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

Date: 12/12/13

Tim Cain, Laboratory Manager

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: EJ Johnson C #1E
Project Number: 98031-0528
Project Manager: James McDaniel

Reported:
12-Dec-13 10:24

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BGT Cellar	P312050-01A	Soil	12/10/13	12/10/13	Glass Jar, 4 oz.
N Wall	P312050-02A	Soil	12/10/13	12/10/13	Glass Jar, 4 oz.

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XTO Energy Inc.
382 CR 3100
Aztec NM, 87410

Project Name: EJ Johnson C #1E
Project Number: 98031-0528
Project Manager: James McDaniel

Reported:
12-Dec-13 10:24

BGT Cellar
P312050-01 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1	1350017	12/10/13	12/11/13	EPA 8015D		
Diesel Range Organics (C10-C28)	41.4	29.9	mg/kg	1	1350016	12/10/13	12/11/13	EPA 8015D		
GRO and DRO Combined Fractions	41.4	5.00	mg/kg		[CALC]	12/10/13	12/11/13	EPA 8015D		

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: EJ Johnson C #1E Project Number: 98031-0528 Project Manager: James McDaniel	Reported: 12-Dec-13 10:24
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N Wall
P312050-02 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1		1350017	12/10/13	12/11/13	EPA 8021B	
Toluene	ND	0.05	mg/kg	1		1350017	12/10/13	12/11/13	EPA 8021B	
Ethylbenzene	0.05	0.05	mg/kg	1		1350017	12/10/13	12/11/13	EPA 8021B	
p,m-Xylene	2.53	0.05	mg/kg	1		1350017	12/10/13	12/11/13	EPA 8021B	
o-Xylene	0.49	0.05	mg/kg	1		1350017	12/10/13	12/11/13	EPA 8021B	
Total Xylenes	3.03	0.05	mg/kg	1		1350017	12/10/13	12/11/13	EPA 8021B	
Total BTEX	3.08	0.05	mg/kg	1		1350017	12/10/13	12/11/13	EPA 8021B	
Surrogate: Bromochlorobenzene		110 %		80-120		1350017	12/10/13	12/11/13	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		113 %		80-120		1350017	12/10/13	12/11/13	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	36.3	4.99	mg/kg	1		1350017	12/10/13	12/11/13	EPA 8015D	
Diesel Range Organics (C10-C28)	189	29.9	mg/kg	1		1350016	12/10/13	12/11/13	EPA 8015D	
GRO and DRO Combined Fractions	225	4.99	mg/kg			[CALC]	12/10/13	12/11/13	EPA 8015D	

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XTO Energy Inc.	Project Name:	EJ Johnson C #1E	Reported: 12-Dec-13 10:24
382 CR 3100	Project Number:	98031-0528	
Aztec NM, 87410	Project Manager:	James McDaniel	

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 1350017 - Purge and Trap EPA 5030A

Blank (1350017-BLK1)

Prepared: 10-Dec-13 Analyzed: 11-Dec-13

Benzene	ND	2.49	mg/kg							
Toluene	ND	2.49	"							
Ethylbenzene	ND	2.49	"							
p,m-Xylene	ND	2.49	"							
o-Xylene	ND	2.49	"							
Total Xylenes	ND	2.49	"							
Total BTEX	ND	2.49	"							
Surrogate: 1,3-Dichlorobenzene	47.1		ug/L	50.0		94.3	80-120			
Surrogate: Bromochlorobenzene	49.5		"	50.0		98.9	80-120			

Duplicate (1350017-DUP1)

Source: P312050-01

Prepared: 10-Dec-13 Analyzed: 11-Dec-13

Benzene	ND	2.50	mg/kg		ND				30	
Toluene	ND	2.50	"		ND				30	
Ethylbenzene	ND	2.50	"		ND				30	
p,m-Xylene	ND	2.50	"		ND				30	
o-Xylene	ND	2.50	"		ND				30	
Surrogate: 1,3-Dichlorobenzene	51.1		ug/L	50.0		102	80-120			
Surrogate: Bromochlorobenzene	54.2		"	50.0		108	80-120			

Matrix Spike (1350017-MS1)

Source: P312050-01

Prepared: 10-Dec-13 Analyzed: 11-Dec-13

Benzene	45.5		ug/L	50.0	ND	91.0	39-150			
Toluene	54.8		"	50.0	ND	110	46-148			
Ethylbenzene	53.8		"	50.0	ND	108	32-160			
p,m-Xylene	107		"	100	ND	107	46-148			
o-Xylene	54.0		"	50.0	ND	108	46-148			
Surrogate: 1,3-Dichlorobenzene	50.3		"	50.0		101	80-120			
Surrogate: Bromochlorobenzene	53.0		"	50.0		106	80-120			

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: EJ Johnson C #1E Project Number: 98031-0528 Project Manager: James McDaniel	Reported: 12-Dec-13 10:24
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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 1350016 - DRO Extraction EPA 3550C

Blank (1350016-BLK1)		Prepared: 10-Dec-13 Analyzed: 11-Dec-13								
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg							
Duplicate (1350016-DUP1)		Source: P312050-01		Prepared: 10-Dec-13 Analyzed: 11-Dec-13						
Diesel Range Organics (C10-C28)	70.2	29.9	mg/kg		41.4			51.6	30	D1
Matrix Spike (1350016-MS1)		Source: P312050-01		Prepared: 10-Dec-13 Analyzed: 11-Dec-13						
Diesel Range Organics (C10-C28)	266	31.6	mg/kg	263	41.4	85.3	75-125			

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XTO Energy Inc. 382 CR 3100 Aztec NM, 87410	Project Name: EJ Johnson C #1E Project Number: 98031-0528 Project Manager: James McDaniel	Reported: 12-Dec-13 10:24
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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 1350017 - Purge and Trap EPA 5030A										
Blank (1350017-BLK1)				Prepared: 10-Dec-13 Analyzed: 11-Dec-13						
Gasoline Range Organics (C6-C10)	ND	4.98	mg/kg							
Duplicate (1350017-DUP1)				Source: P312050-01 Prepared: 10-Dec-13 Analyzed: 11-Dec-13						
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg		ND				30	
Matrix Spike (1350017-MS1)				Source: P312050-01 Prepared: 10-Dec-13 Analyzed: 11-Dec-13						
Gasoline Range Organics (C6-C10)	0.64		mg/L	0.450	0.06	129	75-125			SPK1

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envirotech-inc.com
laboratory@envirotech-inc.com



XTO Energy Inc.
382 CR 3100
Aztec NM, 87410

Project Name: EJ Johnson C #1E
Project Number: 98031-0528
Project Manager: James McDaniel

Reported:
12-Dec-13 10:24

Notes and Definitions

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

D1 Duplicates or Matrix Spike Duplicates Relative Percent Difference exceeds 30%.

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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XTO
ENERGY
Western Division

Well Site/Location
EJ JOHNSON C#1E

Collected By
K. J. P. T.

Company**Signature**

Quote Number	Page ___ of ___
XTO Contact RUST	XTO Contact Phone # 486-9543
Email Results to: JAMES RUST, LOGAN	
API Number 30-045-24206	Test Reason Soil
Samples on Ice (4) (N)	Turnaround
QA/QC Requested y	<input type="checkbox"/> Standard <input checked="" type="checkbox"/> Next Day Rust <input type="checkbox"/> Two Day <input type="checkbox"/> Three Day <input type="checkbox"/> Std. 5 Bus. Days (by contract) Date Needed
Gray Areas for Lab Use Only!	

Analysis

Lab Information

98031-0528

Office Abbreviations

Farmington = FAR
Durango = DUR
Bakken = BAK
Raton = RAT
Piceance = PC
Roosevelt = RSV
La Barge = LB
Orangeville = OV

[illegible]

Media : Filter = F Soil = S Wastewater = WW Groundwater = GW Drinking Water = DW Sludge = SG Surface Water = SW Air = A Drill Mud = DM Other = OT

Relinquished By: (Signature) <i>Kurt Haskett</i>	Date: 12-12-13	Time: 1:55	Received By: (Signature)	Number of Bottles:	Sample Condition
Relinquished By: (Signature)	Date:	Time:	Received By: (Signature)	Temperature:	
Relinquished By: (Signature)	Date:	Time:	Received for Lab by: (Signature) <i>[Signature]</i>	Date: 12/12/13	
Other Information					

Comments

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

0452



Analytical Report

Report Summary

Client: XTO Energy Inc.

Chain Of Custody Number: 0452

Samples Received: 12/12/2013 1:55:00PM

Job Number: 98031-0528

Work Order: P312059

Project Name/Location: EJ Johnson C #1E

Entire Report Reviewed By:

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

Date: 12/16/13

Tim Cain, Laboratory Manager

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: EJ Johnson C #1E
Project Number: 98031-0528
Project Manager: James McDaniel

Reported:
16-Dec-13 08:36

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
-	P312059-01A	Soil	12/12/13	12/12/13	Glass Jar, 4 oz.

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Project Number: 98031-0528
Project Manager: James McDaniel

Reported:
16-Dec-13 08:36

P312059-01 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1350017	12/13/13	12/13/13	12/13/13	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1350016	12/12/13	12/12/13	12/12/13	EPA 8015D	
GRO and DRO Combined Fractions	ND	4.99	mg/kg		[CALC]	12/13/13	12/13/13	12/13/13	EPA 8015D	

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XTO Energy Inc.	Project Name:	EJ Johnson C #1E	Reported: 16-Dec-13 08:36
382 CR 3100	Project Number:	98031-0528	
Aztec NM, 87410	Project Manager:	James McDaniel	

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 1350016 - DRO Extraction EPA 3550C

Blank (1350016-BLK1)				Prepared: 10-Dec-13 Analyzed: 11-Dec-13						
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg							
Duplicate (1350016-DUP1)				Source: P312050-01 Prepared: 10-Dec-13 Analyzed: 11-Dec-13						
Diesel Range Organics (C10-C28)	70.2	29.9	mg/kg		41.4			51.6	30	D1
Matrix Spike (1350016-MS1)				Source: P312050-01 Prepared: 10-Dec-13 Analyzed: 11-Dec-13						
Diesel Range Organics (C10-C28)	266	31.6	mg/kg	263	41.4	85.3	75-125			

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