

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: Logan Hixon	
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3683	
Facility Name: Maddox Gas Com C 1	Facility Type: Gas Well	
Surface Owner: Private	Mineral Owner	API No. 30-045-07773

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	27	29 N	10W	875	FSL	850	FWL	San Juan

Latitude: N36\*.692440 Longitude: W-107\*.877270

**NATURE OF RELEASE**

Type of Release: Produced Water	Volume of Release: Unknown	Volume Recovered: Unknown
Source of Release: BGT	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: April 17, 2017
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A	
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.\*

The below grade tank was taken out of service at the Maddox Gas Com C 1 well site due to P&A. A composite sample was collected beneath the location of the on-site BGT, and submitted for laboratory analysis for TPH via USEPA Method 8015 (C6-C40), Benzene and BTEX via USEPA Method 8021, and for total chlorides. The sample returned results below the 'Pit Rule' spill confirmation standards for Benzene, Total BTEX and the chlorides, but above the 'pit rule' standards for TPH, 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 40 due to an estimated depth of ground water less than 50 feet, and distance to a water way less than 200 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.\*

On Monday May 1, 2017 remediation activities occurred on the BGT cellar. The cellar was excavated to a depth of 1.5' where a composite sample was collected, and submitted for laboratory analysis for TPH via USEPA Method 8015 (C6-C40), Benzene and BTEX via USEPA Method 8021, and for total chlorides. The sample returned results below the NMOCD Guidelines for the Remediation of Leaks, Spills, and Releases standards for Benzene, Total BTEX, and TPH. No further action is required for this site. *Attached sample results*

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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Logan Hixon	Approved by Environmental Specialist: 	
Title: EHS Coordinator	Approval Date:	Expiration Date:
E-mail Address: Logan_Hixon@xtoenergy.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: June 6, 2017	Phone: 505-333-3683	

\* Attach Additional Sheets If Necessary

NCS1712155828



May 08, 2017

## XTO Energy - San Juan Division

Sample Delivery Group: L906190  
Samples Received: 05/02/2017  
Project Number:  
Description: Maddox Gas Com C1

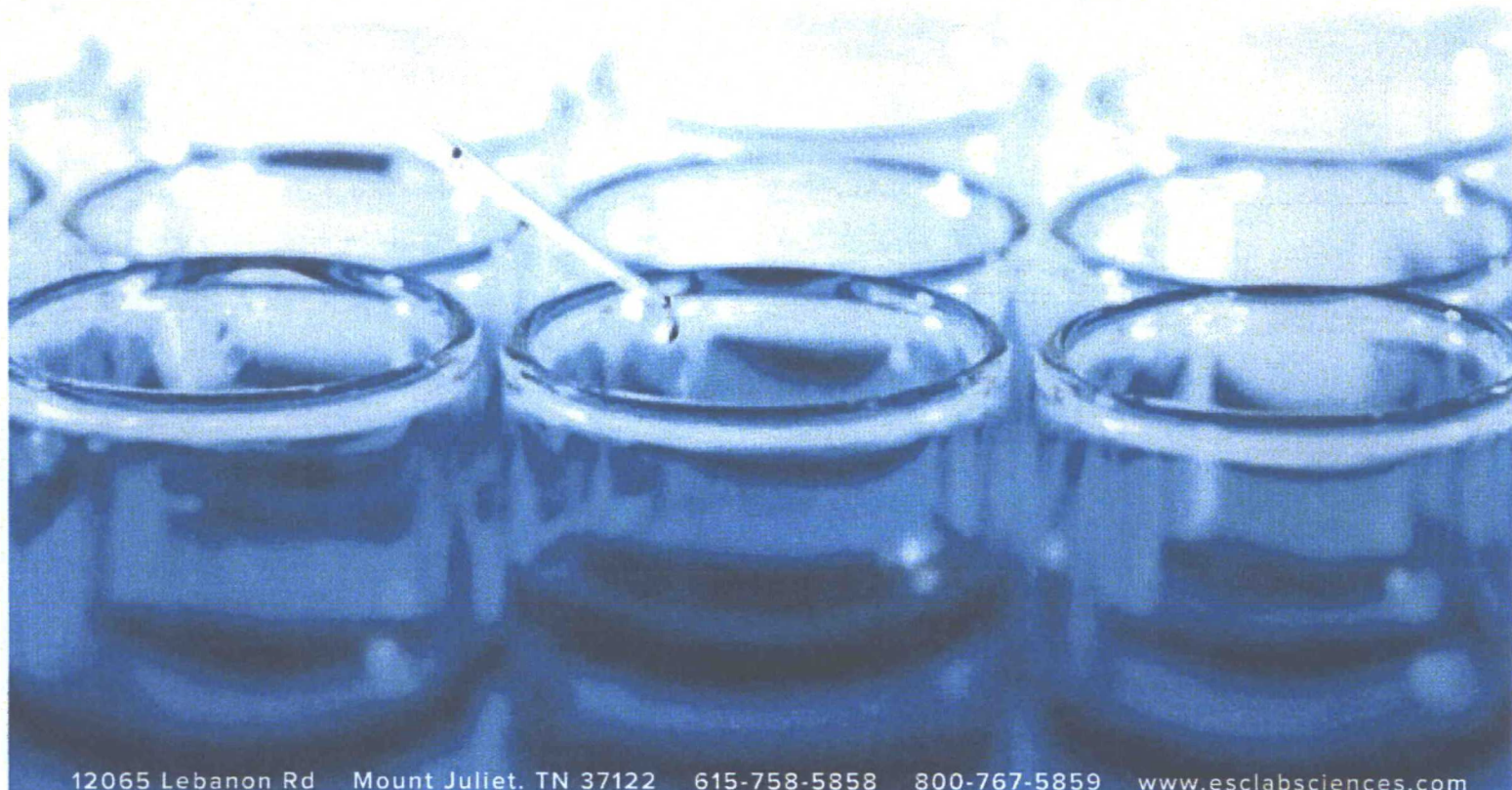
Report To: James McDaniel  
382 County Road 3100  
Aztec, NM 87410

Entire Report Reviewed By:



Daphne Richards  
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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ONE LAB. NATIONWIDE.



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# SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



BGT 1.5' COMPOSITE L906190-01 Solid

Collected by  
LH

Collected date/time  
05/01/17 13:30

Received date/time  
05/02/17 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG976193	1	05/03/17 15:10	05/03/17 15:24	MLW
Wet Chemistry by Method 9056A	WG975921	1	05/05/17 14:34	05/05/17 23:45	SAM
Volatile Organic Compounds (GC) by Method 8015/8021	WG977057	.99	05/05/17 14:18	05/06/17 01:12	LRL
Semi-Volatile Organic Compounds (GC) by Method 8015	WG976523	1	05/04/17 12:29	05/04/17 15:12	KLM

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc





All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Daphne Richards  
Technical Service Representative

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Ai

<sup>9</sup> Sc

## BGT 1.5' COMPOSITE

Collected date/time: 05/01/17 13:30

## SAMPLE RESULTS - 01

L906190

ONE LAB. NATIONWIDE.



## Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.7		1	05/03/2017 15:24	<a href="#">WG976193</a>

## Wet Chemistry by Method 9056A

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Chloride	58.8		10.8	1	05/05/2017 23:45	<a href="#">WG975921</a>

## Volatile Organic Compounds (GC) by Method 8015/8021

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
Benzene	ND		0.000534	.99	05/06/2017 01:12	<a href="#">WG977057</a>
Toluene	ND		0.00534	.99	05/06/2017 01:12	<a href="#">WG977057</a>
Ethylbenzene	ND		0.000534	.99	05/06/2017 01:12	<a href="#">WG977057</a>
Total Xylene	ND		0.00160	.99	05/06/2017 01:12	<a href="#">WG977057</a>
TPH (GC/FID) Low Fraction	0.754		0.107	.99	05/06/2017 01:12	<a href="#">WG977057</a>
(S) a,a,a-Trifluorotoluene(FID)	91.3		77.0-120		05/06/2017 01:12	<a href="#">WG977057</a>
(S) a,a,a-Trifluorotoluene(PID)	100		75.0-128		05/06/2017 01:12	<a href="#">WG977057</a>

## Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	ND		4.31	1	05/04/2017 15:12	<a href="#">WG976523</a>
C28-C40 Oil Range	4.96		4.31	1	05/04/2017 15:12	<a href="#">WG976523</a>
(S) o-Terphenyl	67.2		18.0-148		05/04/2017 15:12	<a href="#">WG976523</a>

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

WG976193

Total Solids by Method 2540 G-2011

## QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.

L906190-01

## Method Blank (MB)

(MB) R3215455-1 05/03/17 15:24

Analyte	MB Result	<u>MB Qualifier</u>	MB MDL	MB RDL
	%		%	%
Total Solids	0.000300			

## L906187-01 Original Sample (OS) • Duplicate (DUP)

(OS) L906187-01 05/03/17 15:24 • (DUP) R3215455-3 05/03/17 15:24

Analyte	Original Result	DUP Result	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits
	%	%		%		%
Total Solids	83.1	83.1	1	0.0413		5

## Laboratory Control Sample (LCS)

(LCS) R3215455-2 05/03/17 15:24

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	<u>LCS Qualifier</u>
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



WG975921

Wet Chemistry by Method 9056A

## QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.

L906190-01

## Method Blank (MB)

(MB) R3216060-1 05/05/17 15:59

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	U		0.795	10.0

## L905983-03 Original Sample (OS) • Duplicate (DUP)

(OS) L905983-03 05/05/17 17:45 • (DUP) R3216060-4 05/05/17 18:06

	Original Result (dry)	DUP Result (dry)	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	602	658	1	9		15

## L906257-01 Original Sample (OS) • Duplicate (DUP)

(OS) L906257-01 05/06/17 10:05 • (DUP) R3216060-8 05/06/17 10:26

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chloride	3380	3390	5	1		15

## Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3216060-2 05/05/17 16:20 • (LCSD) R3216060-3 05/05/17 16:41

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Chloride	200	196	186	98	93	80-120			6	15

## L905983-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L905983-04 05/05/17 18:27 • (MS) R3216060-5 05/05/17 18:48 • (MSD) R3216060-6 05/05/17 19:09

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chloride	662	872	1320	1430	68	85	1	80-120	<u>J6</u>	<u>E</u>	8	15

1 Cd

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 Al

9 Sc

ACCOUNT:

XTO Energy - San Juan Division

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SDG:

L906190

DATE/TIME:

05/08/17 16:32

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WG977057

Volatile Organic Compounds (GC) by Method 8015/8021

## QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.



## Method Blank (MB)

(MB) R3216142-5 05/05/17 17:25

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000120	0.000500
Toluene	0.000365	J	0.000150	0.00500
Ethylbenzene	0.000191	J	0.000110	0.000500
Total Xylene	U		0.000460	0.00150
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) <i>a,a,a</i> -Trifluorotoluene(FID)	96.6			77.0-120
(S) <i>a,a,a</i> -Trifluorotoluene(PID)	106			75.0-128

## Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3216142-1 05/05/17 15:34 • (LCSD) R3216142-2 05/05/17 15:56

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.0500	0.0505	0.0477	101	95.4	71.0-121			5.73	20
Toluene	0.0500	0.0511	0.0474	102	94.8	72.0-120			7.56	20
Ethylbenzene	0.0500	0.0513	0.0479	103	95.7	76.0-121			6.93	20
Total Xylene	0.150	0.150	0.139	100	92.6	75.0-124			7.95	20
(S) <i>a,a,a</i> -Trifluorotoluene(FID)				97.0	97.6	77.0-120				
(S) <i>a,a,a</i> -Trifluorotoluene(PID)				104	105	75.0-128				

## Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3216142-3 05/05/17 16:18 • (LCSD) R3216142-4 05/05/17 16:40

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	5.77	5.11	105	93.0	70.0-136			12.0	20
(S) <i>a,a,a</i> -Trifluorotoluene(FID)				110	108	77.0-120				
(S) <i>a,a,a</i> -Trifluorotoluene(PID)				117	117	75.0-128				

## L906157-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L906157-01 05/05/17 18:32 • (MS) R3216142-8 05/05/17 19:38 • (MSD) R3216142-9 05/05/17 20:01

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	5.50	0.578	0.562	0.543	10.4	10.3	.98	10.0-147			3.43	30
(S) <i>a,a,a</i> -Trifluorotoluene(FID)					89.5	89.0		77.0-120				
(S) <i>a,a,a</i> -Trifluorotoluene(PID)					101	98.5		75.0-128				

1  
Cn2  
Tc3  
Ss4  
Cn5  
Sr6  
Qc7  
Gl8  
Al9  
Sc

WG976523

Semi-Volatile Organic Compounds (GC) by Method 8015

## QUALITY CONTROL SUMMARY

L906190-01

ONE LAB. NATIONWIDE.



## Method Blank (MB)

(MB) R3215704-1 05/04/17 14:32

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C40 Oil Range	U		0.274	4.00
(S) o-Terphenyl	64.0			18.0-148

## Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3215704-2 05/04/17 14:45 • (LCSD) R3215704-3 05/04/17 14:58

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	60.0	40.5	50.7	67.5	84.5	50.0-150		J3	22.3	20
(S) o-Terphenyl				59.1	68.1	18.0-148				

## L906190-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L906190-01 05/04/17 15:12 • (MS) R3215704-4 05/04/17 15:26 • (MSD) R3215704-5 05/04/17 15:40

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C28 Diesel Range	64.7	ND	49.9	50.7	73.6	74.9	1	50.0-150			1.67	20
(S) o-Terphenyl					49.2	50.0		18.0-148				

1  
Cr2  
Tc3  
Ss4  
Cn5  
Sr6  
Qc7  
Gl8  
Al9  
Sc





## Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL (dry)	Reported Detection Limit.
RDL	Reported Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

# ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.



ESCLab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other labs as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE**.

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

## State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey-NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Connecticut	PH-0197	North Carolina <sup>1</sup>	DW21704
Florida	E87487	North Carolina <sup>2</sup>	41
Georgia	NELAP	North Dakota	R-140
Georgia <sup>1</sup>	923	Ohio-VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
Iowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky <sup>1</sup>	90010	South Dakota	n/a
Kentucky <sup>2</sup>	16	Tennessee <sup>14</sup>	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas <sup>5</sup>	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

## Third Party & Federal Accreditations

A2LA - ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA - ISO 17025 <sup>5</sup>	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA-Crypto	TN00003		

<sup>1</sup> Drinking Water <sup>2</sup> Underground Storage Tanks <sup>3</sup> Aquatic Toxicity <sup>4</sup> Chemical/Microbiological <sup>5</sup> Mold <sup>n/a</sup> Accreditation not applicable

## Our Locations

ESCLab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESCLab Sciences performs all testing at our central laboratory.**



ACCOUNT:  
XTO Energy - San Juan Division

PROJECT:

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L906190

DATE/TIME:  
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## ESC LAB SCIENCES Cooler Receipt Form

Client: <u>XTOP NM</u>	SDG#	6906/90	
Cooler Received/Opened On: <u>5/ 2 /17</u>	Temperature:	<u>6.6</u>	
Received By: Marina Malone			
Signature: <u>Marina Malone</u>			
<b>Receipt Check List</b>	<b>NP</b>	<b>Yes</b>	<b>No</b>
COC Seal Present / Intact?	✓		
COC Signed / Accurate?		✓	
Bottles arrive intact?		✓	
Correct bottles used?		✓	
Sufficient volume sent?		✓	
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?			