

District I
1625 N French Dr, Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St Francis Dr, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

30-045-30399

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: XTO Energy, Inc.	Contact: James McDaniel
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3701
Facility Name: Schwerdtfeger 17 #1E (30-045-30399)	Facility Type: Gas Well (Dakota)

Surface Owner: Federal	Mineral Owner:	Lease No.: NMSF-080382A
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LOCATION OF RELEASE

Unit Letter B	Section 17	Township 27N	Range 11W	Feet from the 790	North/South Line FNL	Feet from the 1700	East/West Line FEL	County San Juan
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Latitude: 36.58020 Longitude: -108.02406

NATURE OF RELEASE

Type of Release: Produced Water w/ Incidental oil	Volume of Release: unknown	Volume Recovered: none
Source of Release: Leaking Below Grade Tank	Date and Hour of Occurrence: unknown	Date and Hour of Discovery: November 4, 2011
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell	
By Whom? James McDaniel	Date and Hour: November 5, 2011 - 1000AM	
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 November 4, 2011, a leak was discovered in the below grade tank (BGT) at the Schwerdtfeger 17 #1E well site. Upon moving the tank, the soil beneath the tank was discolored, so an assessment was performed. The site was ranked according to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a zero, setting the closure standards to 5,000 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX. Using a hand auger, samples were collected from the surface directly below the BGT, from 6' below the BGT, and from 10' below the BGT. All three (3) samples were analyzed in the laboratory for DRO/GRO via USEPA Method 8015, and for BTEX via USEPA Method 8021. All three (3) samples returned results above the regulatory standards for BTEX, and the samples from the surface and 6' below the BGT returned results above the 5,000 ppm TPH standard as well.

Describe Area Affected and Cleanup Action Taken.*

On November 11, 2011, the impacted area was excavated to approximately 20' x 20' x 20' deep, where additional sampling was performed. One (1) composite sample was collected from each of the four (4) walls, and one (1) composite sample was collected from the bottom of the excavation at 20' deep. Each of the samples was analyzed for DRO/GRO via USEPA Method 8015, and for BTEX via USEPA Method 8021. All samples returned results below the regulatory standards determined for this location. Approximately 250 cubic yards of impacted soil was excavated and disposed of at Envirotech's Landfarm #2. Backfill material was hauled in from Four Corners Material. All applicable analytical results are attached for your reference.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

OIL CONSERVATION DIVISION

Signature:

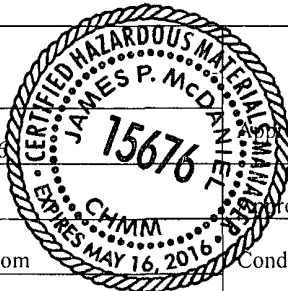
Printed Name: James McDaniel, CHMM #15676

Title: EH&S Supervisor

E-mail Address: James_McDaniel@xtoenergy.com

Date: 11/15/2011

Phone: 505-333-3701



Approved by District Supervisor.

Approval Date: 1/12/2012

Conditions of Approval:

RECEIVED NOV 16 '11

OIL CONSERV. DIV.

Attached ☐

NJK1201235625

DIST. 3



COVER LETTER

Tuesday, November 08, 2011

James McDaniel
XTO Energy
382 County Road 3100
Aztec, NM 87410

TEL: (505) 333-3100

FAX (505) 333-3280

RE: Schwerdtfeger 17 #1E

Order No.: 1111325

Dear James McDaniel:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 11/5/2011 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", written over a horizontal line.

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682

Andy Freeman
Laboratory Manager

Hall Environmental Analysis Laboratory, Inc.

Date: 08-Nov-11

Analytical Report

CLIENT: XTO Energy
Lab Order: 1111325
Project: Schwerdtfeger 17 #1E
Lab ID: 1111325-01

Client Sample ID: BGT
Collection Date: 11/4/2011 12:15:00 PM
Date Received: 11/5/2011
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						
Diesel Range Organics (DRO)	24000	2400		mg/Kg	100	11/7/2011 11:48:54 AM
Surr: DNOP	0	73.4-123	S	%REC	100	11/7/2011 11:48:54 AM
EPA METHOD 8015B: GASOLINE RANGE						
Gasoline Range Organics (GRO)	6800	250		mg/Kg	50	11/6/2011 4:52:25 PM
Surr: BFB	172	75.2-136	S	%REC	50	11/6/2011 4:52:25 PM
EPA METHOD 8021B: VOLATILES						
Benzene	76	2.5		mg/Kg	50	11/6/2011 4:52:25 PM
Toluene	38	2.5		mg/Kg	50	11/6/2011 4:52:25 PM
Ethylbenzene	160	2.5		mg/Kg	50	11/6/2011 4:52:25 PM
Xylenes, Total	1400	20		mg/Kg	200	11/7/2011 2:03:27 PM
Surr: 4-Bromofluorobenzene	128	80-120	S	%REC	50	11/6/2011 4:52:25 PM
EPA METHOD 300.0: ANIONS						
Chloride	2200	150		mg/Kg	100	11/7/2011 3:49:44 PM
EPA METHOD 418.1: TPH						
Petroleum Hydrocarbons, TR	220000	20000		mg/Kg	100	11/7/2011

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 08-Nov-11

Analytical Report

CLIENT: XTO Energy
Lab Order: 1111325
Project: Schwerdtfeger 17 #1E
Lab ID: 1111325-02

Client Sample ID: 6' BGS
Collection Date: 11/4/2011 12:35:00 PM
Date Received: 11/5/2011
Matrix: MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	1400	98		mg/Kg	10	11/7/2011 12:23:52 PM
Surr: DNOP	0	73.4-123	S	%REC	10	11/7/2011 12:23:52 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	9200	250	E	mg/Kg	50	11/6/2011 5:50:06 PM
Surr: BFB	512	75.2-136	S	%REC	50	11/6/2011 5:50:06 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	15	2.5		mg/Kg	50	11/6/2011 5:50:06 PM
Toluene	280	10		mg/Kg	200	11/7/2011 3:01:06 PM
Ethylbenzene	83	2.5		mg/Kg	50	11/6/2011 5:50:06 PM
Xylenes, Total	860	20		mg/Kg	200	11/7/2011 3:01:06 PM
Surr: 4-Bromofluorobenzene	143	80-120	S	%REC	50	11/6/2011 5:50:06 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 08-Nov-11

Analytical Report

CLIENT: XTO Energy
Lab Order: 1111325
Project: Schwerdtfeger 17 #1E
Lab ID: 1111325-03

Client Sample ID: 10'BGS
Collection Date: 11/4/2011 12:50:00 PM
Date Received: 11/5/2011
Matrix: MEOH (SOIL)

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	1100	100		mg/Kg	10	11/7/2011 12:58:18 PM
Surr: DNOP	0	73.4-123	S	%REC	10	11/7/2011 12:58:18 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	1500	250		mg/Kg	50	11/6/2011 6:47:40 PM
Surr. BFB	217	75.2-136	S	%REC	50	11/6/2011 6:47:40 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	2.5		mg/Kg	50	11/6/2011 6:47:40 PM
Toluene	14	2.5		mg/Kg	50	11/6/2011 6:47:40 PM
Ethylbenzene	15	2.5		mg/Kg	50	11/6/2011 6:47:40 PM
Xylenes, Total	170	5.0		mg/Kg	50	11/6/2011 6:47:40 PM
Surr: 4-Bromofluorobenzene	114	80-120		%REC	50	11/6/2011 6:47:40 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level
E Estimated value
J Analyte detected below quantitation limits
NC Non-Chlorinated
PQL Practical Quantitation Limit

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
MCL Maximum Contaminant Level
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: XTO Energy
Project: Schwerdtfeger 17 #1E

Work Order: 1111325

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB-29249		MBLK									
Chloride	ND	mg/Kg	1.5								
Sample ID: LCS-29249		LCS									
Chloride	14.25	mg/Kg	1.5	15	0	95.0	90	110			
Method: EPA Method 418.1: TPH											
Sample ID: MB-29238		MBLK									
Petroleum Hydrocarbons, TR	ND	mg/Kg	20								
Sample ID: LCS-29238		LCS									
Petroleum Hydrocarbons, TR	97.94	mg/Kg	20	100	0	97.9	87.8	115			
Sample ID: LCSD-29238		LCSD									
Petroleum Hydrocarbons, TR	99.22	mg/Kg	20	100	0	99.2	87.8	115	1.30	8.04	
Method: EPA Method 8015B: Diesel Range Organics											
Sample ID: MB-29228		MBLK									
Diesel Range Organics (DRO)	ND	mg/Kg	10								
Sample ID: LCS-29228		LCS									
Diesel Range Organics (DRO)	48.29	mg/Kg	10	50	0	96.6	66.7	119			
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML-RB		MBLK									
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0								
Sample ID: 2.5UG GRO LCS		LCS									
Gasoline Range Organics (GRO)	27.47	mg/Kg	5.0	25	0	110	86.4	132			
Method: EPA Method 8021B: Volatiles											
Sample ID: 5ML-RB		MBLK									
Benzene	ND	mg/Kg	0.050								
Toluene	ND	mg/Kg	0.050								
Ethylbenzene	ND	mg/Kg	0.050								
Xylenes, Total	ND	mg/Kg	0.10								
Sample ID: 100NG BTEX LCS		LCS									
Benzene	0.9987	mg/Kg	0.050	1	0	99.9	83.3	107			
Toluene	1.030	mg/Kg	0.050	1	0	103	74.3	115			
Ethylbenzene	1.023	mg/Kg	0.050	1	0	102	80.9	122			
Xylenes, Total	3.094	mg/Kg	0.10	3	0	103	85.2	123			

Qualifiers:

E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit

H Holding times for preparation or analysis exceeded
NC Non-Chlorinated
R RPD outside accepted recovery limits

Page 1

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name XTO ENERGY

Date Received:

11/5/2011

Work Order Number 1111325

Received by: AMF

Checklist completed by:

Signature

Date

Sample ID labels checked by:

Initials

Matrix:

Carrier name Greyhound

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☒

No ☐

Not Present ☐

Not Shipped ☐

Custody seals intact on sample bottles?

Yes ☐

No ☐

N/A ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Water - VOA vials have zero headspace?

No VOA vials submitted ☒

Yes ☐

No ☐

Number of preserved bottles checked for pH:

Water - Preservation labels on bottle and cap match?

Yes ☐

No ☐

N/A ☒

Water - pH acceptable upon receipt?

Yes ☐

No ☐

N/A ☒

<2 >12 unless noted below.

Container/Temp Blank temperature?

2.9°

<6° C Acceptable

If given sufficient time to cool.

COMMENTS:

Client contacted

Date contacted:

Person contacted

Contacted by:

Regarding

Comments:

Corrective Action

Chain-of-Custody Record				Turn-Around Time:			<div style="display: flex; align-items: center;"> <div> HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 </div> </div>																																																																																																	
Client: <u>XTO Energy</u>				<input type="checkbox"/> Standard <input checked="" type="checkbox"/> <u>Rush SAME DAY</u>			<div style="text-align: center; border: 1px solid black; padding: 5px;"> Analysis Request </div> <table border="1" style="width:100%; border-collapse: collapse; height: 200px;"> <tr> <td>8015 TPH - GRO/DRO</td> <td>8021 BTEX</td> <td>418.1 TPH</td> <td>Chloride</td> <td>TCLP Metals</td> <td>RCRA 8 Metals</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td rowspan="4" style="writing-mode: vertical-rl; transform: rotate(180deg);">Air Bubbles (Y or N)</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>														8015 TPH - GRO/DRO	8021 BTEX	418.1 TPH	Chloride	TCLP Metals	RCRA 8 Metals															Air Bubbles (Y or N)																																																															
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QA/QC Package: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)				Sampler: <u>Joshua Kirchner</u> On Ice: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Date</th> <th>Time</th> <th>Matrix</th> <th>Sample Request ID</th> <th>Container Type and #</th> <th>Preservative Type</th> <th>HEAT No.</th> <td>8015 TPH - GRO/DRO</td> <td>8021 BTEX</td> <td>418.1 TPH</td> <td>Chloride</td> <td>TCLP Metals</td> <td>RCRA 8 Metals</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td rowspan="4" style="writing-mode: vertical-rl; transform: rotate(180deg);">Air Bubbles (Y or N)</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>														Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAT No.	8015 TPH - GRO/DRO	8021 BTEX	418.1 TPH	Chloride	TCLP Metals	RCRA 8 Metals								Air Bubbles (Y or N)																																																															
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Accreditation: <input type="checkbox"/> NELAP <input type="checkbox"/> Other <u> </u>				Sample Temperature: <u>22.7 C</u>			<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Date</th> <th>Time</th> <th>Matrix</th> <th>Sample Request ID</th> <th>Container Type and #</th> <th>Preservative Type</th> <th>HEAT No.</th> <td>8015 TPH - GRO/DRO</td> <td>8021 BTEX</td> <td>418.1 TPH</td> <td>Chloride</td> <td>TCLP Metals</td> <td>RCRA 8 Metals</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td rowspan="4" style="writing-mode: vertical-rl; transform: rotate(180deg);">Air Bubbles (Y or N)</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>														Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAT No.	8015 TPH - GRO/DRO	8021 BTEX	418.1 TPH	Chloride	TCLP Metals	RCRA 8 Metals								Air Bubbles (Y or N)																																																															
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<input type="checkbox"/> EDD (Type) <u> </u>				Sample Temperature: <u>22.7 C</u>			<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Date</th> <th>Time</th> <th>Matrix</th> <th>Sample Request ID</th> <th>Container Type and #</th> <th>Preservative Type</th> <th>HEAT No.</th> <td>8015 TPH - GRO/DRO</td> <td>8021 BTEX</td> <td>418.1 TPH</td> <td>Chloride</td> <td>TCLP Metals</td> <td>RCRA 8 Metals</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td rowspan="4" style="writing-mode: vertical-rl; transform: rotate(180deg);">Air Bubbles (Y or N)</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr></table>														Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAT No.	8015 TPH - GRO/DRO	8021 BTEX	418.1 TPH	Chloride	TCLP Metals	RCRA 8 Metals								Air Bubbles (Y or N)																																																															
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If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



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Tax I D. 62-0814289

Est. 1970

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

Report Summary

Monday November 14, 2011

Report Number: L546282

Samples Received: 11/11/11

Client Project:

Description: Schwerdtfeger 17 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 - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140
NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A,
TX - T104704245, OK-9915, PA - 68-02979

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

November 14, 2011

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

Date Received : November 11, 2011
Description : Schwerdtfeger 17 1E

Sample ID : N WALL

Collected By : Josh Kirchner
Collection Date : 11/10/11 12:06

ESC Sample # : L546282-01

Site ID :

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	94.		%	2540G	11/14/11	1
Benzene	BDL	0.0027	mg/kg	8021/8015	11/12/11	5
Toluene	BDL	0.027	mg/kg	8021/8015	11/12/11	5
Ethylbenzene	BDL	0.0027	mg/kg	8021/8015	11/12/11	5
Total Xylene	BDL	0.0080	mg/kg	8021/8015	11/12/11	5
TPH (GC/FID) Low Fraction	BDL	0.53	mg/kg	GRO	11/12/11	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (FID)	94.5		% Rec.	8021/8015	11/12/11	5
a,a,a-Trifluorotoluene (PID)	94.5		% Rec.	8021/8015	11/12/11	5
TPH (GC/FID) High Fraction	BDL	4.3	mg/kg	3546/DRO	11/14/11	1
Surrogate recovery(%)						
o-Terphenyl	74.0		% Rec.	3546/DRO	11/14/11	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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REPORT OF ANALYSIS

November 14, 2011

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

Date Received : November 11, 2011
Description : Schwerdtfeger 17 1E
Sample ID : S WALL
Collected By : Josh Kirchner
Collection Date : 11/10/11 12 04

ESC Sample # : L546282-02

Site ID :

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	87.		%	2540G	11/14/11	1
Benzene	BDL	0.0029	mg/kg	8021/8015	11/12/11	5
Toluene	BDL	0.029	mg/kg	8021/8015	11/12/11	5
Ethylbenzene	BDL	0.0029	mg/kg	8021/8015	11/12/11	5
Total Xylene	BDL	0.0087	mg/kg	8021/8015	11/12/11	5
TPH (GC/FID) Low Fraction	BDL	0.58	mg/kg	GRO	11/12/11	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	94.4		% Rec.	8021/8015	11/12/11	5
a,a,a-Trifluorotoluene(PID)	94.5		% Rec.	8021/8015	11/12/11	5
TPH (GC/FID) High Fraction	BDL	4.6	mg/kg	3546/DRO	11/14/11	1
Surrogate recovery(%)						
o-Terphenyl	69.4		% Rec.	3546/DRO	11/14/11	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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November 14, 2011

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

Date Received : November 11, 2011
Description : Schwerdtfeger 17 1E

Sample ID : E WALL

Collected By : Josh Kirchner
Collection Date : 11/10/11 12.03

ESC Sample # : L546282-03

Site ID :

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	91.		%	2540G	11/14/11	1
Benzene	BDL	0.0027	mg/kg	8021/8015	11/12/11	5
Toluene	BDL	0.027	mg/kg	8021/8015	11/12/11	5
Ethylbenzene	BDL	0.0027	mg/kg	8021/8015	11/12/11	5
Total Xylene	BDL	0.0082	mg/kg	8021/8015	11/12/11	5
TPH (GC/FID) Low Fraction	BDL	0.55	mg/kg	GRO	11/12/11	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	94.8		% Rec.	8021/8015	11/12/11	5
a,a,a-Trifluorotoluene(PID)	94.7		% Rec.	8021/8015	11/12/11	5
TPH (GC/FID) High Fraction	BDL	4.4	mg/kg	3546/DRO	11/14/11	1
Surrogate recovery(%)						
o-Terphenyl	78.3		% Rec.	3546/DRO	11/14/11	1

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REPORT OF ANALYSIS

November 14, 2011

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

ESC Sample # : L546282-04

Date Received : November 11, 2011
Description : Schwerdtfeger 17 1E

Site ID :

Sample ID : W WALL

Project # :

Collected By : Josh Kirchner
Collection Date : 11/10/11 12:02

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	84.		%	2540G	11/14/11	1
Benzene	BDL	0.0030	mg/kg	8021/8015	11/12/11	5
Toluene	BDL	0.030	mg/kg	8021/8015	11/12/11	5
Ethylbenzene	BDL	0.0030	mg/kg	8021/8015	11/12/11	5
Total Xylene	BDL	0.0089	mg/kg	8021/8015	11/12/11	5
TPH (GC/FID) Low Fraction	BDL	0.60	mg/kg	GRO	11/12/11	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (FID)	94.4		% Rec.	8021/8015	11/12/11	5
a,a,a-Trifluorotoluene (PID)	94.0		% Rec.	8021/8015	11/12/11	5
TPH (GC/FID) High Fraction	BDL	4.8	mg/kg	3546/DRO	11/14/11	1
Surrogate recovery(%)						
o-Terphenyl	71.7		% Rec.	3546/DRO	11/14/11	1

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BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit (PQL)

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REPORT OF ANALYSIS

November 14, 2011

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

ESC Sample # : L546282-05

Date Received : November 11, 2011
Description : Schwerdtfeger 17 1E

Site ID :

Sample ID : FLOOR @ 20 BGS

Project # :

Collected By : Josh Kirchner
Collection Date : 11/10/11 12:14

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	89.		%	2540G	11/14/11	1
Benzene	BDL	0.0028	mg/kg	8021/8015	11/12/11	5
Toluene	BDL	0.028	mg/kg	8021/8015	11/12/11	5
Ethylbenzene	BDL	0.0028	mg/kg	8021/8015	11/12/11	5
Total Xylene	BDL	0.0084	mg/kg	8021/8015	11/12/11	5
TPH (GC/FID) Low Fraction	BDL	0.56	mg/kg	GRO	11/12/11	5
Surrogate Recovery-%						
a,a,a-Trifluorotoluene (FID)	94.4		% Rec.	8021/8015	11/12/11	5
a,a,a-Trifluorotoluene (PID)	94.9		% Rec.	8021/8015	11/12/11	5
TPH (GC/FID) High Fraction	BDL	4.5	mg/kg	3546/DRO	11/14/11	1
Surrogate recovery(%)						
o-Terphenyl	69.4		% Rec.	3546/DRO	11/14/11	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

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Reported: 11/14/11 13:59 Printed: 11/14/11 13:59

Summary of Remarks For Samples Printed
11/14/11 at 13:59:37

TSR Signing Reports: 288
R2 - Rush: Next Day

drywt

Sample: L546282-01 Account: XTORNM Received: 11/11/11 09:00 Due Date: 11/14/11 00:00 RPT Date: 11/14/11 13:59
Sample: L546282-02 Account: XTORNM Received: 11/11/11 09:00 Due Date: 11/14/11 00:00 RPT Date: 11/14/11 13:59
Sample: L546282-03 Account: XTORNM Received: 11/11/11 09:00 Due Date: 11/14/11 00:00 RPT Date: 11/14/11 13:59
Sample: L546282-04 Account: XTORNM Received: 11/11/11 09:00 Due Date: 11/14/11 00:00 RPT Date: 11/14/11 13:59
Sample: L546282-05 Account: XTORNM Received: 11/11/11 09:00 Due Date: 11/14/11 00:00 RPT Date: 11/14/11 13:59



YOUR LAB OF CHOICE

XTO Energy - San Juan Division
James McDaniel
382 Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L546282

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Tax I.D 62-0814289

Est 1970

November 14, 2011

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< 0.005	mg/kg			WG565177	11/12/11 00:20
Ethylbenzene	< 0.005	mg/kg			WG565177	11/12/11 00:20
Toluene	< 0.005	mg/kg			WG565177	11/12/11 00:20
TPH (GC/FID) Low Fraction	< 1	mg/kg			WG565177	11/12/11 00:20
Total Xylene	< 0.0015	mg/kg			WG565177	11/12/11 00:20
a,a,a-Trifluorotoluene (FID)		% Rec	97.29	59-128	WG565177	11/12/11 00:20
a,a,a-Trifluorotoluene (PID)		% Rec	97.26	54-144	WG565177	11/12/11 00:20
TPH (GC/FID) High Fraction	< 4	ppm			WG565225	11/14/11 08:24
o-Terphenyl		% Rec	68.94	50-150	WG565225	11/14/11 08:24
Total Solids	< 1	%			WG565233	11/14/11 10:17
Total Solids	< 1	%			WG565234	11/14/11 10:22

Analyte	Units	Duplicate		RPD	Limit	Ref Samp	Batch
		Result	Duplicate				
Total Solids	%	92.0	91.3	0.426	5	L546282-03	WG565233
Total Solids	%	88.0	89.4	1.79	5	L546282-05	WG565234

Analyte	Units	Laboratory Control Sample		% Rec	Limit	Batch
		Known Val	Result			
Benzene	mg/kg	05	0.0451	90.2	76-113	WG565177
Ethylbenzene	mg/kg	05	0.0468	93.7	78-115	WG565177
Toluene	mg/kg	05	0.0503	101	76-114	WG565177
Total Xylene	mg/kg	15	0.135	90.1	81-118	WG565177
a,a,a-Trifluorotoluene (PID)				96.12	54-144	WG565177
TPH (GC/FID) Low Fraction	mg/kg	5.5	6.12	111	67-135	WG565177
a,a,a-Trifluorotoluene (FID)				100.9	59-128	WG565177
TPH (GC/FID) High Fraction	ppm	60	42.8	71.3	50-150	WG565225
o-Terphenyl				68.09	50-150	WG565225
Total Solids	%	50	50.0	100	85-155	WG565233
Total Solids	%	50	50.0	100	85-155	WG565234

Analyte	Units	Laboratory Control Sample Duplicate		Limit	RPD	Limit	Batch
		Result	Ref %Rec				
Benzene	mg/kg	0.0447	0.0451 89.0	76-113	0.850	20	WG565177
Ethylbenzene	mg/kg	0.0465	0.0468 93.0	78-115	0.650	20	WG565177
Toluene	mg/kg	0.0495	0.0503 99.0	76-114	1.70	20	WG565177
Total Xylene	mg/kg	0.134	0.135 89.0	81-118	1.18	20	WG565177
a,a,a-Trifluorotoluene (PID)			94.88	54-144			WG565177
TPH (GC/FID) Low Fraction	mg/kg	6.14	6.12 112	67-135	0.430	20	WG565177
a,a,a-Trifluorotoluene (FID)			101.2	59-128			WG565177

* 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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Quality Assurance Report
Level II

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Analyte	Units	Laboratory Control		Sample Duplicate		Limit	RPD	Limit	Batch
		Result	Ref	%Rec					
TPH (GC/FID) High Fraction	ppm	49.2	42.8	82.0		50-150	14.0	25	WG565225
o-Terphenyl				79.60		50-150			WG565225

Analyte	Units	MS Res	Matrix Spike		% Rec	Limit	Ref Samp	Batch
			Ref Res	TV				
Benzene	mg/kg	0.214	0	05	85.7	32-137	L546282-03	WG565177
Ethylbenzene	mg/kg	0.220	0	05	88.0	10-150	L546282-03	WG565177
Toluene	mg/kg	0.232	0	05	92.7	20-142	L546282-03	WG565177
Total Xylene	mg/kg	0.634	0	15	84.6	16-141	L546282-03	WG565177
a,a,a-Trifluorotoluene(PID)					93.71	54-144		WG565177
TPH (GC/FID) Low Fraction	mg/kg	25.8	0	5.5	93.7	55-109	L546282-03	WG565177
a,a,a-Trifluorotoluene(FID)					100.0	59-128		WG565177

Analyte	Units	MSD	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
			Ref	%Rec					
Benzene	mg/kg	0.210	0.214	83.8	32-137	2.18	39	L546282-03	WG565177
Ethylbenzene	mg/kg	0.215	0.220	85.9	10-150	2.44	44	L546282-03	WG565177
Toluene	mg/kg	0.224	0.232	89.5	20-142	3.50	42	L546282-03	WG565177
Total Xylene	mg/kg	0.621	0.634	82.8	16-141	2.14	46	L546282-03	WG565177
a,a,a-Trifluorotoluene(PID)				94.79	54-144				WG565177
TPH (GC/FID) Low Fraction	mg/kg	26.4	25.8	96.0	55-109	2.33	20	L546282-03	WG565177
a,a,a-Trifluorotoluene(FID)				99.46	59-128				WG565177

Batch number / Run number / Sample number cross reference

WG565177 R1929712 L546282-01 02 03 04 05
WG565225 R1930118 L546282-01 02 03 04 05
WG565233 R1930497 L546282-01 02 03
WG565234 R1930498 L546282-04 05

* * 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'



YOUR LAB OF CHOICE

XTO Energy - San Juan Division
James McDaniel
382 Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

LS46282

12065 Lebanon Rd.
Mt Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I D 62-0814289

Est 1970

November 14, 2011

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.

Company Name/Address XTO Energy, Inc. 382 County Road 3100 Aztec, NM 87410		Alternate Billing XTORN031810S		Analysis/Container/Preservative								Chain of Custody Page ___ of ___	
Project Description: SCHWERTFEGER 17# 1E		City/State Collected		<div style="display: flex; justify-content: space-between;"> <div> TPH (GRO/DRO) 8015 BTX 8021 </div> <div> </div> </div>								Prepared by: ENVIRONMENTAL Science corp 12065 Lebanon Road Mt. Juliet TN 37122 Phone (615)758-5858 Phone (800) 767-5859 FAX (615)758-5859	
PHONE 505-333-3701	Client Project No.	Lab Project #	CoCode (lab use only) XTORNM										
FAX	Site/Facility ID#	P O #	Template/Prelogin										
Collected by: James McDaniel JOSH KIRCHNER	Rush? <input checked="" type="checkbox"/> Lab MUST be Notified Next Day... 100% Two Day... 50% Three Day... 25%	Date Results Needed Email? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes FAX? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	Shipped Via: Fed Ex										
Collected by (signature): 	Packed on Ice N <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/>	No of Cntrs	Remarks/contaminant		Sample # (lab only)								
Sample ID	Comp/Grab	Matrix	Depth	Date	Time	Cntrs	Remarks/contaminant		Sample # (lab only)				
N WALL	COMP	SOIL		11-10-11	1206	1			L546282-01				
S WALL	COMP				1204	1			-02				
E WALL	COMP				1203	1			-03				
W WALL	COMP				1202	1			-04				
FLOOR @ 20 BGS	COMP				1214	1			-05				

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

pH _____ Temp _____

Remarks

Flow _____ Other _____

Relinquisher by (Signature) 	Date 11-10-11	Time 1500	Received by (Signature) 	Samples returned via: FedEx_X_UPS_Other_ 4341 9814 3950	Condition (lab use only)
Relinquisher by (Signature) 	Date	Time	Received by (Signature) 	Temp: 3.1°C Bottles Received: 5-462	
Relinquisher by (Signature)	Date	Time	Received for lab by (Signature) 	Date: 11/11/11 Time: 0900	
				pH Checked	NCF