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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: XTO Energy, Inc.	Contact: Logan Hixon
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3683
Facility Name: Hun Ne Pah #1F (API 30-045-34292)	Facility Type: Gas Well (Mancos, Dakota)

Surface Owner: Navajo Nation	Mineral Owner:	Lease No.: NOOC14203609

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	10	25N	11W	660	FNL	1660	FWL	San Juan

Latitude: 36.420899513 Longitude: -107.99360195

NATURE OF RELEASE

Type of Release: Produced Water/Condensate	Volume of Release: Approximately 6 Barrels	Volume Recovered: 0 Barrels
Source of Release: Well Head Flow Line	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: January 4, 2013
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom? RCVD JAN 23 '13	
By Whom?	Date and Hour OIL CONS. DIV.	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. DIST. 3	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
A leak was discovered at the Hun Ne Pah #1F well head flow line on January 4, 2013. The volume released was approximately 6 barrels; 0 barrels were recovered. The site was then ranked pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a 10 due to an estimated distance of less than 1000 feet to a drainage. This set the closure standard to 1,000 ppm TPH, 10 ppm benzene and 50 ppm total BTEX, or 100 ppm organic vapors. Clean up actions began on January 16, 2013.

Describe Area Affected and Cleanup Action Taken.*
On January 7, 2013 a composite sample was collected from the surface around the well head where the leak occurred and was sent to the lab to be analyzed for TPH, benzene, and BTEX via US EPA method 8015 and 8021 respectively. The surface composite sample returned results below the regulatory standards determined for this site for benzene, but above the regulatory standards for TPH and BTEX. On January 16, 2013 Logan Hixon (XTO) and Brent Beaty (XTO) were on site to oversee the removal of impacted soil. The excavation reached the extent of 15'x 10'x 1' deep, where a composite sample was collected from the bottom of the excavation. The composite sample was screened in the field for organic vapor (OV) using a photo ionization detector (PID), and returned values over the 100 ppm standard set for this site. The excavation continued to the extent of 15' x 10'x 1.5', where a composite sample was collected of the bottom of the excavation. The composite sample was screened in the field for OV, and returned results below the 100 ppm TPH standard set for this site. The composite sample was sent in to the lab for TPH analysis via US EPA method 8015. The composite sample returned results below the regulatory standards for all constituents analyzed. Approximately 20 CY of soil was disposed of at Envirotech land farm. The excavation was back filled with clean fill soil from Paul and Sons. *See attached for field sheets and 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: Logan Hixon	OIL CONSERVATION DIVISION
Printed Name: Logan Hixon	Approved by District Supervisor: Jonathan D. Kelly
Title: EH&S Technician	Approval Date: 2/11/2013 Expiration Date:
E-mail Address: Logan_Hixon@xtoenergy.com	Conditions of Approval: Attached ☐
Date: 1-22-13 Phone: 505-333-3683	

nJK1304234630

XTO Energy On-Site Form

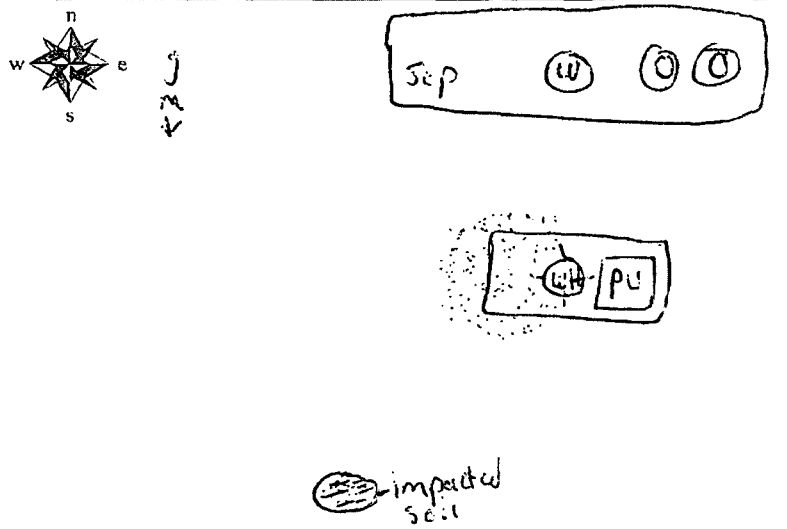
Well Name Hun NE pah #1F API # 30-045-34297

Section 10 Township 25 Range 11 County San Juan

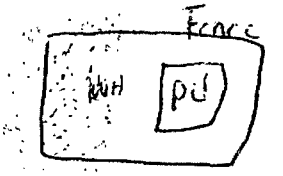
Contractors On-Site — Time On-Site 9:50 Time Off-Site 10:50

Spill Amount 6 bbls Spilled (Oil) Produced W/Other _____) RCVRD Unknown

Land Use (Range / Residential (Tribe Navajo) Excavation — x — x — deep



Site Diagram



Sample Location

Sample Location

-4cy of soil onside of location
-1 sample 8015, 8021

Comments

Number of Photos Taken

Samples

Time	Sample #	Sample Description	Characteristics	OVM (ppm)	Analysis Requested
	NA	100 Standard	NA		NA
10:00	1	Composite Surface	Rock, smell, clay	—	8015, 8021, Rush Esc

Name (Print) Logan Hixon Date 1-7-13

Name (Signature) Logan H Company XTO

ESC
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YOUR LAB OF CHOICE

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

Tax I.D. 62-0814289

Est. 1970

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

Report Summary

Wednesday January 09, 2013

Report Number: L614277
Samples Received: 01/08/13
Client Project:

Description: Hun NE PAH #1F

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

Entire Report Reviewed By: Daphne R Richards

Daphne Richards , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 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

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

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REPORT OF ANALYSIS

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

January 09,2013

ESC Sample # : L614277-01

Site ID : HUANE PAH #1F

Project # :

Date Received : January 08, 2013
Description : Hun NE PAH #1F

Sample ID : SURFACE COMPOSITE

Collected By :
Collection Date : 01/07/13 10:00

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	85.5	0.100	%	2540G	01/09/13	1
Benzene	0.46	0.29	mg/kg	8021/8015	01/08/13	500
Toluene	6.8	2.9	mg/kg	8021/8015	01/08/13	500
Ethylbenzene	6.2	0.29	mg/kg	8021/8015	01/08/13	500
Total Xylene	44.	0.88	mg/kg	8021/8015	01/08/13	500
TPH (GC/FID) Low Fraction	990	58.	mg/kg	GRO	01/08/13	500
Surrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	92.3		% Rec.	8021/8015	01/08/13	500
a,a,a-Trifluorotoluene(PID)	98.2		% Rec.	8021/8015	01/08/13	500
TPH (GC/FID) High Fraction	1900	47.	mg/kg	3546/DRO	01/09/13	10
Surrogate recovery(%)						
o-Terphenyl	115.		% Rec.	3546/DRO	01/09/13	10

Results listed are dry weight basis.
BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
This report shall not be reproduced, except in full, without the written approval from ESC.
The reported analytical results relate only to the sample submitted
Reported: 01/09/13 16:20 Printed: 01/09/13 16:32

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XTO Energy - San Juan Division
James McDaniel
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L614277

January 09, 2013

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Benzene	< .0005	mg/kg			WG631429	01/08/13 14:48
Ethylbenzene	< .0005	mg/kg			WG631429	01/08/13 14:48
Toluene	< .005	mg/kg			WG631429	01/08/13 14:48
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG631429	01/08/13 14:48
Total Xylene	< .0015	mg/kg			WG631429	01/08/13 14:48
a,a,a-Trifluorotoluene(FID)		% Rec.	92.71	59-128	WG631429	01/08/13 14:48
a,a,a-Trifluorotoluene(PID)		% Rec.	98.33	54-144	WG631429	01/08/13 14:48
Total Solids	< .1	%			WG631447	01/09/13 09:20
TPH (GC/FID) High Fraction	< 4	mg/kg			WG631580	01/09/13 14:14
o-Terphenyl		% Rec.	67.40	50-150	WG631580	01/09/13 14:14

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	%	82.0	81.6	0.131	5	L614258-04	WG631447

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Benzene	mg/kg	.05	0.0447	89.5	76-113	WG631429
Ethylbenzene	mg/kg	.05	0.0530	106.	78-115	WG631429
Toluene	mg/kg	.05	0.0494	98.7	76-114	WG631429
Total Xylene	mg/kg	.15	0.165	110.	81-118	WG631429
a,a,a-Trifluorotoluene(PID)				97.24	54-144	WG631429
TPH (GC/FID) Low Fraction	mg/kg	5.5	4.77	86.7	67-135	WG631429
a,a,a-Trifluorotoluene(FID)				99.52	59-128	WG631429
Total Solids	%	50	50.0	100.	85-115	WG631447
TPH (GC/FID) High Fraction	mg/kg	60	43.3	72.2	50-150	WG631580
o-Terphenyl				71.50	50-150	WG631580

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Benzene	mg/kg	0.0439	0.0447	88.0	76-113	1.83	20	WG631429
Ethylbenzene	mg/kg	0.0519	0.0530	104.	78-115	2.11	20	WG631429
Toluene	mg/kg	0.0481	0.0494	96.0	76-114	2.65	20	WG631429
Total Xylene	mg/kg	0.161	0.165	107.	81-118	2.41	20	WG631429
a,a,a-Trifluorotoluene(PID)				97.60	54-144			WG631429
TPH (GC/FID) Low Fraction	mg/kg	4.69	4.77	85.0	67-135	1.67	20	WG631429
a,a,a-Trifluorotoluene(FID)				97.24	59-128			WG631429
TPH (GC/FID) High Fraction	mg/kg	44.4	43.3	74.0	50-150	2.46	20	WG631580
o-Terphenyl				73.10	50-150			WG631580

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Benzene	mg/kg	0.215	0.000488	.05	85.8	32-137	L614196-01	WG631429
Ethylbenzene	mg/kg	0.257	0.000634	.05	103.	10-150	L614196-01	WG631429
Toluene	mg/kg	0.240	0.000729	.05	95.8	20-142	L614196-01	WG631429

* 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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Est. 1970

XTO Energy - San Juan Division
James McDaniel
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L614277

January 09, 2013

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Total Xylene	mg/kg	0.804	0.00578	.15	106.	16-141	L614196-01	WG631429
a,a,a-Trifluorotoluene(PID)					97.10	54-144		WG631429
TPH (GC/FID) Low Fraction	mg/kg	21.7	0	5.5	79.0	55-109	L614196-01	WG631429
a,a,a-Trifluorotoluene(FID)					94.31	59-128		WG631429

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Benzene	mg/kg	0.219	0.215	87.5	32-137	1.92	39	L614196-01	WG631429
Ethylbenzene	mg/kg	0.263	0.257	105.	10-150	2.16	44	L614196-01	WG631429
Toluene	mg/kg	0.243	0.240	96.9	20-142	1.14	42	L614196-01	WG631429
Total Xylene	mg/kg	0.816	0.804	108.	16-141	1.54	46	L614196-01	WG631429
a,a,a-Trifluorotoluene(PID)				96.66	54-144				WG631429
TPH (GC/FID) Low Fraction	mg/kg	21.8	21.7	79.2	55-109	0.270	20	L614196-01	WG631429
a,a,a-Trifluorotoluene(FID)				94.29	59-128				WG631429

Batch number /Run number / Sample number cross reference

WG631429: R2501579: L614277-01
WG631447: R2501640: L614277-01
WG631580: R2502398: L614277-01

* * 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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XTO Energy - San Juan Division
James McDaniel
382 County Road 3100

Aztec, NM 87410

Quality Assurance Report
Level II

L614277

January 09, 2013

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 - San Juan Division

382 County Road 3100
Aztec.NM 87410

Billing Information:

XTO Energy Inc
Accounts Payable
PO Box 6501

Englewood,CO 80155

Analysis/Container/Preservative

Chain of Custody
Page ___ of ___

ESC LAB SCIENCES
12065 Lebanon Road
Mt. Juliet, TN 37122

Phone: (800) 767-5859
Phone: (615) 758-5858
Fax: (615) 758-5859

B095

Report to: Logan Hixon

Email to:

Project Description: Hun NE PAH #1F

City/Sate Collected: NM

Phone: (505) 333-3100
FAX:

Client Project #:

ESC Key:

Collected by: (print) Logan Hixon

Site/Facility ID#: HuNE PaH #1F

P.O.#:

Collected by (signature): Logan Hixon

Immediately Packed on Ice N ___ (Y)

Rush? (Lab MUST Be Notified)
___ Same Day..... 200%
___ Next Day..... 100%
___ Two Day..... 50%
___ Three Day..... 25%

Date Results Needed:

Email? __No__Yes
FAX? __No__Yes

CoCode XTORNM (lab use only)
Template/Prelogin
Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	8015	8021	Remarks/Contaminant	Sample # (lab only)
Surface composite	comp	SS		1-7-13	10:00	1-4oz	X	X		461421701

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

pH _____ Temp _____

Remarks:

5040 0636 0734 3

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____	Condition: OK	(lab use only) JR
Logan Hixon	1-7-13	13:00				
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.6°C	Bottles Received: 1-4oz	CoC Seals Intact: ___Y ___N ___NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 1-8-13	Time: 0945	pH Checked: NCF:

XTO Energy On-Site Form

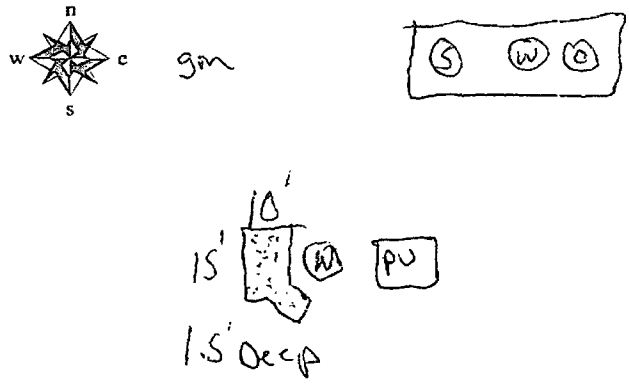
Well Name Hun NE pad #1F API # 30-045-34292

Section 10C Township 25N Range 11W County San Juan

Contractors On-Site Adobe Time On-Site 10:00 Time Off-Site 2:10

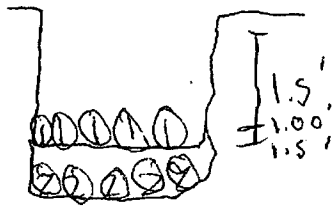
Spill Amount 6 bbls Spilled (Oil/Produced W/Other _____) RCVRD _____

Land Use (Range / Residential (Tribe) Navajo) Excavation 15 x 10 x 1.5' deep



Site Diagram

Sample Location



Sample Location

± 20cy of impacted haveled to E-Tech

Comments

Number of Photos Taken

Samples

Time	Sample #	Sample Description	Characteristics	OVM (ppm)	Analysis Requested
10:10	NA	100 Standard	NA	101	NA
12:50	1	1' comp	Frozen sand/gravel	7235	No analysis
1:50	2	1.5' comp	Sand	48.6	8015

Name (Print) Logan Hixon Date 1-16-12

Name (Signature) _____ Company XTO

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

January 18, 2013

Logan Hixon
XTO Energy
382 County Road 3100
Aztec, NM 87410
TEL: (505) 386-8018
FAX (505) 333-3280

RE: Hun NE PAH #1F OrderNo.: 1301544

Dear Logan Hixon:

Hall Environmental Analysis Laboratory received 1 sample(s) on 1/17/2013 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. 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. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1301544**
Date Reported: **1/18/2013**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: XTO Energy
Project: Hun NE PAH #1F
Lab ID: 1301544-001 **Matrix:** SOIL

Client Sample ID: 1.5' Comp
Collection Date: 1/16/2013 1:50:00 PM
Received Date: 1/17/2013 9:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **MMD**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	1/17/2013 1:30:18 PM
Surr: DNOP	112	72.4-120		%REC	1	1/17/2013 1:30:18 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/17/2013 3:11:42 PM
Surr: BFB	94.3	84-116		%REC	1	1/17/2013 3:11:42 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1301544**

18-Jan-13

Client: XTO Energy
Project: Hun NE PAH #1F

Sample ID	**MB-5701**	SampType: **MBLK**			TestCode: **EPA Method 8015B: Diesel Range Organics**					
Client ID:	**PBS**	Batch ID: **5701**			RunNo: **8104**					
Prep Date:	**1/16/2013**	Analysis Date: **1/17/2013**			SeqNo: **234468**		Units: **%REC**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		117	72.4	120			

Sample ID	**LCS-5701**	SampType: **LCS**			TestCode: **EPA Method 8015B: Diesel Range Organics**					
Client ID:	**LCSS**	Batch ID: **5701**			RunNo: **8104**					
Prep Date:	**1/16/2013**	Analysis Date: **1/17/2013**			SeqNo: **234637**		Units: **%REC**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.3		5.000		106	72.4	120			

Sample ID	**1301464-001AMS**	SampType: **MS**			TestCode: **EPA Method 8015B: Diesel Range Organics**					
Client ID:	**BatchQC**	Batch ID: **5701**			RunNo: **8105**					
Prep Date:	**1/16/2013**	Analysis Date: **1/17/2013**			SeqNo: **234683**		Units: **%REC**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.0		4.941		101	72.4	120			

Sample ID	**1301464-001AMSD**	SampType: **MSD**			TestCode: **EPA Method 8015B: Diesel Range Organics**					
Client ID:	**BatchQC**	Batch ID: **5701**			RunNo: **8105**					
Prep Date:	**1/16/2013**	Analysis Date: **1/17/2013**			SeqNo: **234694**		Units: **%REC**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.2		5.149		101	72.4	120	0	0	

Sample ID	**MB-5717**	SampType: **MBLK**			TestCode: **EPA Method 8015B: Diesel Range Organics**					
Client ID:	**PBS**	Batch ID: **5717**			RunNo: **8104**					
Prep Date:	**1/17/2013**	Analysis Date: **1/17/2013**			SeqNo: **234734**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	11		10.00		113	72.4	120			

Sample ID	**LCS-5717**	SampType: **LCS**			TestCode: **EPA Method 8015B: Diesel Range Organics**					
Client ID:	**LCSS**	Batch ID: **5717**			RunNo: **8104**					
Prep Date:	**1/17/2013**	Analysis Date: **1/17/2013**			SeqNo: **234780**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	39	10	50.00	0	78.5	47.4	122			
Surr: DNOP	5.5		5.000		110	72.4	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1301544**

18-Jan-13

Client: XTO Energy

Project: Hun NE PAH #1F

Sample ID	**MB-5700**	SampType: **MBLK**			TestCode: **EPA Method 8015B: Gasoline Range**					
Client ID:	**PBS**	Batch ID: **5700**			RunNo: **8113**					
Prep Date:	**1/16/2013**	Analysis Date: **1/17/2013**			SeqNo: **235239**		Units: **%REC**			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		930		1000		93.1	84	116			

Sample ID	**LCS-5700**	SampType: **LCS**			TestCode: **EPA Method 8015B: Gasoline Range**					
Client ID:	**LCSS**	Batch ID: **5700**			RunNo: **8113**					
Prep Date:	**1/16/2013**	Analysis Date: **1/17/2013**			SeqNo: **235240**		Units: **%REC**			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB		950		1000		94.8	84	116			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: XTO Energy Work Order Number: 1301544

Received by/date: MG 01/17/13

Logged By: **Anne Thorne** 1/17/2013 9:50:00 AM Anne Thorne

Completed By: **Anne Thorne** 1/17/2013 Anne Thorne

Reviewed By: AT 01/17/13

Chain of Custody

1. Were seals intact? Yes ☐ No ☐ Not Present ☑
2. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Coolers are present? (see 19. for cooler specific information) Yes ☑ No ☐ NA ☐
5. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
6. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
7. Sample(s) in proper container(s)? Yes ☑ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
10. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
11. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☑
12. Were any sample containers received broken? Yes ☐ No ☑
13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
14. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
15. Is it clear what analyses were requested? Yes ☑ No ☐
16. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

18. Additional remarks:

19. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.1	Good	Not Present			

Chain-of-Custody Record

Client: XTO

Mailing Address: 382 Road 3100 Aztec NM 87410

Phone #:

email or Fax#: logan.hixon@xtoenergy.com

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☐ Standard ☒ Rush Same Day

Project Name: Hun NE Pit #1F

Project #:

Project Manager: Logan Hixon

Sampler: L Hixon

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.1

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1301544	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
1-16-13	1:50	Soil	1.5' Comp	1-4oz	ice	-001			X													
					MeOH																	

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Date	Time
1-16-13	15:00			1/16/13	1500
Date:	Time:	Relinquished by:	Received by:	Date	Time
1/16/13	1747			01/17/13	0950

Remarks:

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.