OIL CONS. DIV DIST. 3

DEC 15 2014

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: Ute Indians A #36	Facility Type: Gas Well (Ute Dome Paradox)

Surface Owner: Ute Mountain Tribe	Mineral Owner	API No.: 30-045-31604

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	27	32N	14W	932	FSL	845	FEL	San Juan

Latitude 36.95417 **Longitude** -108. 29028

NATURE OF RELEASE

Type of Release: Produced Water	Volume of Release: 96 BBL	Volume Recovered: None
Source of Release: Below Grade Tank	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 11-13-2014
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ 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 removed at the Ute Indians A # 36 well site due to P & A of the location. The soil beneath the BGT was sampled for TPH via USEPA Method 8015 and 418.1, for BTEX via USEPA Method 8021, and for total chlorides. The sample returned results below the 'Pit Rule' spill confirmation standards for benzene, and total BTEX, but above the TPH Standard of 100 ppm via USEPA Method 418.1 at 888 ppm and the Chloride Standard of 250 ppm at 275 ppm via USEPA Method 300.0,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 20 due to an estimated depth to groundwater of greater than 100 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.

Describe Area Affected and Cleanup Action Taken.*Based on TPH results of 888 ppm via USEPA Method 418.1, a release has been confirmed at this location. A one call was made and the below grade tank cellar was excavated. The BGT cellar was excavated to approximately 24'x24'x14' deep, a wall composite sample and a bottom composite sample were collected. The wall composite sample was collected at approximately 12' deep and was below standards for benzene at <0.092 ppm and total BTEX at 1.042 via EPA Method 8021 and TPH at 88 ppm via USEPA Method 8015. The Bottom sample was collected at approximately 14' deep and returned results below standards for benzene at < 0.10 ppm and total BTEX at 6.21 ppm via USEPA Method 8021, but above the TPH Standard via EPA Method 8015 at 1250 ppm. The excavation continued to a depth of 20' and the bottom was still above standards, the excavation was engineered to continue to the depth of 25' deep. At 25' deep another bottom sample was collected and returned results below standards for TPH at 49.8 ppm. These results are below standards for the Guidelines for Remediation of Leaks, Spills and Releases and a request to close the excavation was sent to the BLM. The BLM requested two additional samples be collected and that a BLM representative witness the sample collection. On 12-4-2014 a discrete sample was collected from the east wall at approximately six feet from the surface and a surface sample where the impacted soil had been staged for trucking to the land farm. These samples returned results below the Standards for Spill Clean-Up and Reclamation for the Ute Mountain Ute Tribe. The BLM after reviewing theses sample results granted permission to backfill the excavation. No further action is required.

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

Signature: Kurt Hoekstra	OIL CONSERVATION DIVISION
Printed Name: Kurt Hoekstra	Approved by Environmental Specialist:

#NCS 1501253527

28

Title: EHS Coordinator	Approval Date: 1/12/15	Expiration Date:	
E-mail Address: Kurt_Hoekstra@xtoenergy.com	Conditions of Approval:		Attached ☐
Date: 12-12-14 Phone: 505-333-3100			

* Attach Additional Sheets If Necessary

Oil or Water Spill TO SOIL Volume Spreadsheet

Calculator Updated 6/2/2008

INPUT FIELDS
OUTPUT
RESULT

Location:	
GPS Coordinates:	
Spill Date:	
Spill Time:	

Length of Spill=		feet
Width of Spill=		feet
Saturation (or depth) of Spill=		inches

OR

Area=		ft^2
Saturation (or depth) of Spill=		inches

OR

Soil Volume=	400.00	yd^3

Use only one method

Oil Cut=	0.01	% Oil
Porosity Factor=	0.05	

Soil Volume=	**400.00**	yd^3
Total Oil in Soil=	**0.01**	barrels
Total Produced Water in Soil=	**96.16**	barrels

Types of Soil	Porosity Factor
Gravel	0.25
Sand	0.20
Clay/silt/sand Mix	0.15
Clay	0.05
Caliche	0.03
Unknown	0.25

Location ->
On GlobalShare -> US Production Forms GlobalShare -> Library -> By Category 1 -> Environmental & Regulatory -> Spills -> Spill Calculators
HyperLink to Location on GlobalShare

On Intranet -> RSO HomePage -> Environmental & Regulatory -> Spills / SPCC Plans -> USP Water / Land Spill Volume Calculator
HyperLink to Location on Intranet

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

November 20, 2014

Kurt Hoekstra
XTO Energy
382 County Road 3100
Aztec, NM 87410
TEL: (505) 787-0519
FAX (555) 333-3280

RE: UTE Indians A #36 OrderNo.: 1411741

Dear Kurt Hoekstra:

Hall Environmental Analysis Laboratory received 2 sample(s) on 11/19/2014 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. In order to properly interpret your results it is imperative that you review this report in its entirety. 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. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. 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.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1411741**
Date Reported: **11/20/2014**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: XTO Energy
Project: UTE Indians A #36
Lab ID: 1411741-001
Matrix: MEOH (SOIL)
Client Sample ID: FARKH-111814-1445
Collection Date: 11/18/2014 2:45:00 PM
Received Date: 11/19/2014 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	1100	100		mg/Kg	10	11/19/2014 11:09:27 AM	16454
Surr: DNOP	0	63.5-128	S	%REC	10	11/19/2014 11:09:27 AM	16454
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	150	20		mg/Kg	5	11/19/2014 11:25:58 AM	R22632
Surr: BFB	349	80-120	S	%REC	5	11/19/2014 11:25:58 AM	R22632
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.10		mg/Kg	5	11/19/2014 11:25:58 AM	R22632
Toluene	ND	0.20		mg/Kg	5	11/19/2014 11:25:58 AM	R22632
Ethylbenzene	0.31	0.20		mg/Kg	5	11/19/2014 11:25:58 AM	R22632
Xylenes, Total	5.6	0.40		mg/Kg	5	11/19/2014 11:25:58 AM	R22632
Surr: 4-Bromofluorobenzene	114	80-120		%REC	5	11/19/2014 11:25:58 AM	R22632

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: XTO Energy
Project: UTE Indians A #36
Lab ID: 1411741-002

Client Sample ID: FARKH-111814-1455
Collection Date: 11/18/2014 2:55:00 PM
Matrix: MEOH (SOIL) **Received Date:** 11/19/2014 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: **BCN**
Diesel Range Organics (DRO)	70	9.8		mg/Kg	1	11/19/2014 11:52:34 AM	16454
Surr: DNOP	93.1	63.5-128		%REC	1	11/19/2014 11:52:34 AM	16454
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	18		mg/Kg	5	11/19/2014 11:54:39 AM	R22632
Surr: BFB	107	80-120		%REC	5	11/19/2014 11:54:39 AM	R22632
EPA METHOD 8021B: VOLATILES							Analyst: **NSB**
Benzene	ND	0.092		mg/Kg	5	11/19/2014 11:54:39 AM	R22632
Toluene	ND	0.18		mg/Kg	5	11/19/2014 11:54:39 AM	R22632
Ethylbenzene	ND	0.18		mg/Kg	5	11/19/2014 11:54:39 AM	R22632
Xylenes, Total	0.59	0.37		mg/Kg	5	11/19/2014 11:54:39 AM	R22632
Surr: 4-Bromofluorobenzene	102	80-120		%REC	5	11/19/2014 11:54:39 AM	R22632

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	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#: **1411741**

20-Nov-14

Client: XTO Energy

Project: UTE Indians A #36

Sample ID **MB-16454**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **16454**	RunNo: **22625**
Prep Date: **11/19/2014**	Analysis Date: **11/19/2014**	SeqNo: **667375** 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	7.4		10.00		73.6	63.5	128			

Sample ID **LCS-16454**	SampType: **LCS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **16454**	RunNo: **22625**
Prep Date: **11/19/2014**	Analysis Date: **11/19/2014**	SeqNo: **667464** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.8	68.6	130			
Surr: DNOP	4.2		5.000		83.4	63.5	128			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1411741**

20-Nov-14

Client: XTO Energy

Project: UTE Indians A #36

Sample ID **MB-16433 MK**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **R22632**	RunNo: **22632**
Prep Date:	Analysis Date: **11/19/2014**	SeqNo: **667899** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	910		1000		91.4	80	120			

Sample ID **LCS-16433 MK**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **R22632**	RunNo: **22632**
Prep Date:	Analysis Date: **11/19/2014**	SeqNo: **667901** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	91.1	65.8	139			
Surr: BFB	990		1000		98.7	80	120			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1411741**

20-Nov-14

Client: XTO Energy

Project: UTE Indians A #36

Sample ID **MB-16433 MK**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **R22632**	RunNo: **22632**
Prep Date:	Analysis Date: **11/19/2014**	SeqNo: **667965** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		100	80	120			

Sample ID **LCS-16433 MK**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **R22632**	RunNo: **22632**
Prep Date:	Analysis Date: **11/19/2014**	SeqNo: **667967** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.050	1.000	0	96.3	80	120			
Toluene	0.94	0.050	1.000	0	94.3	80	120			
Ethylbenzene	1.0	0.050	1.000	0	102	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		105	80	120			

Qualifiers:

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

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: 1411741 | RcptNo: 1

Received by/date: 11/19/14

Logged By: Ashley Gallegos 11/19/2014 8:00:00 AM

Completed By: Ashley Gallegos 11/19/2014 8:30:34 AM

Reviewed By: CS 11/19/14

Chain of Custody

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

Log In

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

16. 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: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.4	Good	Yes			

SAME DAY KUSH

XTO ENERGY
Western Division

Quote Number	Page ___ of ___	
XTO Contact: KURT	XTO Contact Phone #: 505-486-9543	
Email Results to: JAMES, KURT, LOGAN		
Well Site/Location: UTE INDIANS A #36	API Number: 30-045-31604	Test Reason: RAT CLOSURE FOR P&A
Collected By: KURT	Samples on Ice: (Y) N	Turnaround: ___ Standard; _X_ Next Day SAME DAY; ___ Two Day; ___ Three Day; ___ Std. 5 Bus. Days (by contract); Date Needed ___
Company: XTO	QA/QC Requested: Y	
Signature: Kurt Hoekstra	Grey Areas for Lab Use Only	

Sample ID	Sample Name	Media	Date	Time	Preservative	No. of Conts.	TPH 8015	BTEX 8021	Sample Number
FARKH-111814-1445	BOTTOM 14'	S	11/18	2:45	ON ICE	1	X	X	
FARKH-111814-1455	4 WALL COMP	S	11/18	2:55	ON ICE	1	X	X	

Analysis

Lab Information

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

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

Relinquished By: (Signature) Kurt Hoekstra	Date: 11-18-14	Time: 1700	Received By: (Signature)	Number of Bottles:	Sample Condition
Relinquished By: (Signature)	Date: 11/18/14	Time: 2055	Received By: (Signature)	Temperature:	Other Information
Relinquished By: (Signature)	Date:	Time:	Received for Lab by: (Signature)	Date: 11/19/14 Time: 0830	

Comments

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

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

December 03, 2014

James McDaniel
XTO Energy
382 County Road 3100
Aztec, NM 87410
TEL: (505) 787-0519
FAX (505) 333-3280

RE: Ute Indians A #36 OrderNo.: 1412046

Dear James McDaniel:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/2/2014 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. In order to properly interpret your results it is imperative that you review this report in its entirety. 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. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. 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.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1412046**
Date Reported: **12/3/2014**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: XTO Energy
Project: Ute Indians A #36
Lab ID: 1412046-001 **Matrix:** SOIL

Client Sample ID: FARKH-120114-1430
Collection Date: 12/1/2014 2:30:00 PM
Received Date: 12/2/2014 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	43	9.9		mg/Kg	1	12/2/2014 10:15:13 AM	16622
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/2/2014 10:15:13 AM	16622
Surr: DNOP	87.4	63.5-128		%REC	1	12/2/2014 10:15:13 AM	16622
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	6.8	3.9		mg/Kg	1	12/2/2014 10:16:03 AM	R22878
Surr: BFB	176	80-120	S	%REC	1	12/2/2014 10:16:03 AM	R22878
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.039		mg/Kg	1	12/2/2014 10:16:03 AM	R22878
Toluene	ND	0.039		mg/Kg	1	12/2/2014 10:16:03 AM	R22878
Ethylbenzene	ND	0.039		mg/Kg	1	12/2/2014 10:16:03 AM	R22878
Xylenes, Total	0.19	0.077		mg/Kg	1	12/2/2014 10:16:03 AM	R22878
Surr: 4-Bromofluorobenzene	112	80-120		%REC	1	12/2/2014 10:16:03 AM	R22878

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	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#: **1412046**

03-Dec-14

Client: XTO Energy
Project: Ute Indians A #36

Sample ID **MB-16598**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **16598**	RunNo: **22870**
Prep Date: **11/26/2014**	Analysis Date: **12/2/2014**	SeqNo: **675060** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.7		10.00		86.8	63.5	128			

Sample ID **MB-16622**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **16622**	RunNo: **22870**
Prep Date: **12/2/2014**	Analysis Date: **12/2/2014**	SeqNo: **675142** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	6.9		10.00		69.4	63.5	128			

Sample ID **LCS-16622**	SampType: **LCS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **16622**	RunNo: **22870**
Prep Date: **12/2/2014**	Analysis Date: **12/2/2014**	SeqNo: **675163** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.8	68.6	130			
Surr: DNOP	3.6		5.000		71.0	63.5	128			

Sample ID **LCS-16598**	SampType: **LCS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **16598**	RunNo: **22870**
Prep Date: **11/26/2014**	Analysis Date: **12/2/2014**	SeqNo: **675175** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.8		5.000		95.6	63.5	128			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412046**

03-Dec-14

Client: XTO Energy

Project: Ute Indians A #36

Sample ID **MB-16613 MK**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **R22878**	RunNo: **22878**
Prep Date:	Analysis Date: **12/2/2014**	SeqNo: **675828** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	940		1000		94.4	80	120			

Sample ID **LCS-16613 MK**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **R22878**	RunNo: **22878**
Prep Date:	Analysis Date: **12/2/2014**	SeqNo: **675829** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	85.8	65.8	139			
Surr: BFB	1100		1000		105	80	120			

Sample ID **MB-16613**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **16613**	RunNo: **22878**
Prep Date: **12/1/2014**	Analysis Date: **12/2/2014**	SeqNo: **675835** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	940		1000		94.4	80	120			

Sample ID **LCS-16613**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **16613**	RunNo: **22878**
Prep Date: **12/1/2014**	Analysis Date: **12/2/2014**	SeqNo: **675836** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		105	80	120			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412046**

03-Dec-14

Client: XTO Energy

Project: Ute Indians A #36

Sample ID **MB-16613 MK**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **R22878**	RunNo: **22878**
Prep Date:	Analysis Date: **12/2/2014**	SeqNo: **675868** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		105	80	120			

Sample ID **LCS-16613 MK**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **R22878**	RunNo: **22878**
Prep Date:	Analysis Date: **12/2/2014**	SeqNo: **675869** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.050	1.000	0	93.9	80	120			
Toluene	0.90	0.050	1.000	0	89.7	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.2	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.0	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		113	80	120			

Sample ID **1412046-001AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **FARKH-120114-1430**	Batch ID: **R22878**	RunNo: **22878**
Prep Date:	Analysis Date: **12/2/2014**	SeqNo: **675871** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.79	0.039	0.7746	0	102	77.4	142			
Toluene	0.77	0.039	0.7746	0.007173	98.9	77	132			
Ethylbenzene	0.81	0.039	0.7746	0.01735	102	77.6	134			
Xylenes, Total	2.6	0.077	2.324	0.1860	104	77.4	132			
Surr: 4-Bromofluorobenzene	0.89		0.7746		115	80	120			

Sample ID **1412046-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **FARKH-120114-1430**	Batch ID: **R22878**	RunNo: **22878**
Prep Date:	Analysis Date: **12/2/2014**	SeqNo: **675872** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.76	0.039	0.7746	0	98.2	77.4	142	3.39	20	
Toluene	0.76	0.039	0.7746	0.007173	96.7	77	132	2.20	20	
Ethylbenzene	0.78	0.039	0.7746	0.01735	98.2	77.6	134	3.60	20	
Xylenes, Total	2.5	0.077	2.324	0.1860	99.4	77.4	132	3.76	20	
Surr: 4-Bromofluorobenzene	0.89		0.7746		115	80	120	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412046**

03-Dec-14

Client: XTO Energy

Project: Ute Indians A #36

Sample ID **MB-16613**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **16613**	RunNo: **22878**
Prep Date: **12/1/2014**	Analysis Date: **12/2/2014**	SeqNo: **675888** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		105	80	120			

Sample ID **LCS-16613**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **16613**	RunNo: **22878**
Prep Date: **12/1/2014**	Analysis Date: **12/2/2014**	SeqNo: **675889** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		113	80	120			

Qualifiers:

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

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: 1412046 RcptNo: 1

Received by/date: 12/02/14 LM 12/02/14

Logged By: Celina Sessa 12/2/2014 7:30:00 AM Celina Sessa

Completed By: Celina Sessa 12/2/2014 8:28:37 AM Celina Sessa

Reviewed By: IO 12/02/2014

Chain of Custody

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

Log In

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

16. 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: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.2	Good	Yes			

KUSH SAME DAY

XTO ENERGY
Western Division

Quote Number	Page ___ of ___	
XTO Contact: KURT	XTO Contact Phone #: 505-486-9543	
Email Results to: JAMES, KURT, LOGAN		
Well Site/Location: UTE INDIANS A #36	API Number: 30-045-31604	Test Reason: BGT CLOSURE P&A
Collected By: KURT	Samples on Ice: (Y) N	Turnaround: ___ Standard; X Next Day SAME DAY; ___ Two Day; ___ Three Day; ___ Std. 5 Bus. Days (by contract); Date Needed ___
Company: XTO	QA/QC Requested: Y	
Signature: Kurt Hueter	Gray Areas for Lab Use Only!	

Analysis: 8015, 8021

Lab Information

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

Sample ID	Sample Name	Media	Date	Time	Preservative	No. of Conts.	Sample Number
FARXH-120114-1430	BOTTOM 25'	S	12-1	2:30	ON ICE	1	1412046-001

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) Kurt Hueter	Date: 12-1-14	Time: 4:20	Received By: (Signature) Mistie Walter	Number of Bottles	Sample Condition
Relinquished By: (Signature) Mistie Walter	Date: 12-1-14	Time: 1745	Received By: (Signature) 12/02/14 0730	Temperature: 3.2°C	Other Information
Relinquished By: (Signature)	Date:	Time:	Received for Lab by: (Signature)	Date:	Time:

Comments

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

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

December 08, 2014

Kurt Hoekstra
XTO Energy
382 County Road 3100
Aztec, NM 87410
TEL: (505) 333-3100
FAX (555) 333-3280

RE: Ute Indians A#36 OrderNo.: 1412279

Dear Kurt Hoekstra:

Hall Environmental Analysis Laboratory received 2 sample(s) on 12/5/2014 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. In order to properly interpret your results it is imperative that you review this report in its entirety. 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. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. 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.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1412279**
Date Reported: **12/8/2014**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: XTO Energy
Project: Ute Indians A#36
Lab ID: 1412279-001 **Matrix:** SOIL

Client Sample ID: E Wall 6'
Collection Date: 12/4/2014 10:00:00 AM
Received Date: 12/5/2014 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/5/2014 11:17:51 AM	16685
Surr: DNOP	80.0	63.5-128		%REC	1	12/5/2014 11:17:51 AM	16685
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	12/5/2014 10:09:07 AM	R22974
Surr: BFB	87.9	80-120		%REC	1	12/5/2014 10:09:07 AM	R22974
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.036		mg/Kg	1	12/5/2014 10:09:07 AM	R22974
Toluene	ND	0.036		mg/Kg	1	12/5/2014 10:09:07 AM	R22974
Ethylbenzene	ND	0.036		mg/Kg	1	12/5/2014 10:09:07 AM	R22974
Xylenes, Total	ND	0.072		mg/Kg	1	12/5/2014 10:09:07 AM	R22974
Surr: 4-Bromofluorobenzene	92.4	80-120		%REC	1	12/5/2014 10:09:07 AM	R22974

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: XTO Energy
Project: Ute Indians A#36
Lab ID: 1412279-002 **Matrix:** SOIL

Client Sample ID: Surface
Collection Date: 12/4/2014 10:05:00 AM
Received Date: 12/5/2014 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	190	10		mg/Kg	1	12/5/2014 11:39:18 AM	16685
Surr: DNOP	80.2	63.5-128		%REC	1	12/5/2014 11:39:18 AM	16685
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	61	18		mg/Kg	4	12/5/2014 10:37:49 AM	R22974
Surr: BFB	215	80-120	S	%REC	4	12/5/2014 10:37:49 AM	R22974
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.090		mg/Kg	4	12/5/2014 10:37:49 AM	R22974
Toluene	ND	0.18		mg/Kg	4	12/5/2014 10:37:49 AM	R22974
Ethylbenzene	ND	0.18		mg/Kg	4	12/5/2014 10:37:49 AM	R22974
Xylenes, Total	1.3	0.36		mg/Kg	4	12/5/2014 10:37:49 AM	R22974
Surr: 4-Bromofluorobenzene	100	80-120		%REC	4	12/5/2014 10:37:49 AM	R22974

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	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#: **1412279**

08-Dec-14

Client: XTO Energy
Project: Ute Indians A#36

Sample ID **MB-16685**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **16685**	RunNo: **22954**
Prep Date: **12/5/2014**	Analysis Date: **12/5/2014**	SeqNo: **677912** 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	7.1		10.00		71.0	63.5	128			

Sample ID **LCS-16685**	SampType: **LCS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **16685**	RunNo: **22954**
Prep Date: **12/5/2014**	Analysis Date: **12/5/2014**	SeqNo: **677913** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.3	68.6	130			
Surr: DNOP	4.6		5.000		91.7	63.5	128			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412279**

08-Dec-14

Client: XTO Energy

Project: Ute Indians A#36

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **R22974**	RunNo: **22974**
Prep Date:	Analysis Date: **12/5/2014**	SeqNo: **678542** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	880		1000		87.5	80	120			

Sample ID **2.5UG GRO LCS**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **R22974**	RunNo: **22974**
Prep Date:	Analysis Date: **12/5/2014**	SeqNo: **678543** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.2	65.8	139			
Surr: BFB	1000		1000		99.6	80	120			

Sample ID **1412279-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **E Wall 6'**	Batch ID: **R22974**	RunNo: **22974**
Prep Date:	Analysis Date: **12/5/2014**	SeqNo: **678545** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	17	3.6	18.03	0	92.0	71.8	132			
Surr: BFB	710		721.0		98.8	80	120			

Sample ID **1412279-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **E Wall 6'**	Batch ID: **R22974**	RunNo: **22974**
Prep Date:	Analysis Date: **12/5/2014**	SeqNo: **678546** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	18	3.6	18.03	0	98.1	71.8	132	6.44	20	
Surr: BFB	730		721.0		101	80	120	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1412279

08-Dec-14

Client: XTO Energy

Project: Ute Indians A#36

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **R22974**	RunNo: **22974**
Prep Date:	Analysis Date: **12/5/2014**	SeqNo: **678559** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		91.3	80	120			

Sample ID **100NG BTEX LCS**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **R22974**	RunNo: **22974**
Prep Date:	Analysis Date: **12/5/2014**	SeqNo: **678560** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	100	80	120			
Toluene	0.99	0.050	1.000	0	98.5	80	120			
Ethylbenzene	1.0	0.050	1.000	0	99.9	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.5	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Sample ID **1412279-002AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **Surface**	Batch ID: **R22974**	RunNo: **22974**
Prep Date:	Analysis Date: **12/5/2014**	SeqNo: **678563** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	3.7	0.18	3.604	0	103	77.4	142			
Toluene	3.6	0.18	3.604	0.03560	100	77	132			
Ethylbenzene	3.9	0.18	3.604	0.1517	103	77.6	134			
Xylenes, Total	13	0.36	10.81	1.290	105	77.4	132			
Surr: 4-Bromofluorobenzene	3.9		3.604		109	80	120			

Sample ID **1412279-002AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **Surface**	Batch ID: **R22974**	RunNo: **22974**
Prep Date:	Analysis Date: **12/5/2014**	SeqNo: **678564** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	3.6	0.18	3.604	0	99.4	77.4	142	3.57	20	
Toluene	3.6	0.18	3.604	0.03560	97.7	77	132	2.47	20	
Ethylbenzene	3.7	0.18	3.604	0.1517	99.6	77.6	134	2.84	20	
Xylenes, Total	12	0.36	10.81	1.290	102	77.4	132	2.21	20	
Surr: 4-Bromofluorobenzene	3.9		3.604		109	80	120	0	0	

Qualifiers:

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

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: 1412279 | RcptNo: 1

Received by/date: CM 12/05/14

Logged By: Anne Thorne 12/5/2014 7:45:00 AM

Completed By: Anne Thorne 12/5/2014

Reviewed By: 12/05/14

Chain of Custody

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

Log In

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

16. 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: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.7	Good	Yes			

SAME DAY KUSH

XTO ENERGY
Western Division

Quote Number	Page ___ of ___	
XTO Contact: KURT	XTO Contact Phone #: 505-486-9543	
Email Results to: JAMES, KURT, LOGAN		
Well Site/Location: UTE INDIANS A #36	API Number: 30-045-31604	Test Reason: BGT CLOSURE P&A
Collected By: KURT	Samples on Ice: (Y) N	Turnaround: ___ Standard; X Next Day SAME DAY; ___ Two Day; ___ Three Day; ___ Std. 5 Bus. Days (by contract); Date Needed ___
Company: XTO	QA/QC Requested: ✓	
Signature: Kurt Hackstun	Gray Areas for Lab Use Only	

Analysis: TPH 8015; BTEX 8021

Lab Information

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

Sample ID	Sample Name	Media	Date	Time	Preservative	No. of Conts.	TPH 8015	BTEX 8021	Sample Number
FARKH-120414-1000	E. WALL 6'	S	12-4	10:00	ON ICE	1	X	X	1412279-001
FARKH-120414-1005	SURFACE	S	12-4	10:05	ON ICE	1	X	X	-002

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

Relinquished By: (Signature) Kurt Hackstun	Date: 12-4-14	Time: 12:30	Received By: (Signature) Mark Walla	Number of Bottles	Sample Condition
Relinquished By: (Signature) Christa Waller	Date: 12-4-14	Time: 1844	Received By: (Signature) 12/05/14 0745	Temperature: 2 °C	Other Information
Relinquished By: (Signature)	Date:	Time:	Received for Lab by: (Signature)	Date:	Time:

Comments
THESE SAMPLES WERE REQUESTED BY RYAN JOYNER BLM

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

Hoekstra, Kurt

From: Joyner, Ryan <rjoyner@blm.gov>
Sent: Monday, December 08, 2014 8:49 AM
To: Hoekstra, Kurt; Scott Clow
Cc: McDaniel, James; Hixon, Logan
Subject: Re: Ute Indians A # 36 Sample Results

Categories: External Sender

Kurt-
Thanks for the sample results, based on what we are seeing from the lab, coupled with a field visit on Friday, at this time we are comfortable with back-fill of the pit in question.

Thanks for the quick turnaround on paperwork. The BLM is still looking for an NTL-3A to close out this undesirable event, let me know if you need help on getting one together.

Thanks,
Ryan Joyner
PS/NRS
BLM-Colorado
970.385.1242

On Fri, Dec 5, 2014 at 1:49 PM, Hoekstra, Kurt <Kurt_Hoekstra@xtoenergy.com> wrote:

Mr. Joyner attached are the results for the samples you requested and witnessed yesterday 12-4-2014. The results are below the Standards for Spill Clean-Up and Reclamation for the Ute Mountain Ute Tribe. XTO Energy would like to backfill this excavation on Monday 12-8-2014. Please notify me if that is acceptable.

Thank You.

Kurt Hoekstra

EHS Coordinator

XTO Energy

505-333-3202 Office

505-486-9543 Cell

Kurt_Hoekstra@xtoenergy.com