#### State of New Mexico Energy Minerals and Natural Resources

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

## OIL CONS. DIV DIST. 3

DEC 1 5 2014 Form C-141 Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

|   |              |   |             |               |                                       | C, INIVI 07.5   | 05                |             |          |              |              |              |
|---|--------------|---|-------------|---------------|---------------------------------------|---|-------------------|-------------|----------|--------------|--------------|--------------|
|   |              |   | Rela        | ease Notifi   | catio                                 | on and Co   | orrective A       | ction       |          |              |              |              |
|   |              |   |             |               | <b>OPERA</b>                          | ATOR 🗌 Initial Report 🛛 Final 1   |                   |             |          |              | Final Report |              |
| Name of Co  | mpany: X     | TO Energy,  | Inc.        | 07410         |                                       | Contact: Ku   | rt Hoekstra       |             |          |              |              |              |
| Address: 38   | 2 Road 31    | $\frac{00, \text{Aztec}, N}{\text{dians} \Lambda \#36}$ | lew Mex     | 10 8/410      | · · · · · · · · · · · · · · · · · · · | Telephone I   | No.: (505) 333-3  | <u>5100</u> | Daraday  | )            |              |              |
| Facility Nat  |              | ulalis A #50  |             |               |                                       | Facility Typ  | e: Gas well (U    |             | Paradox  | )            |              |              |
| Surface Ow  | ner: Ute M   | Iountain Tri  | be          | Mineral C     | Owner                                 |   |                   |             | API No   | .: 30-045-3  | 31604        |              |
|   |              |   |             | LOCA          | ATIC                                  | N OF RE   | LEASE             |             |          |              |              |              |
| Unit Letter   | Section      | Township  | Range       | Feet from the | Nort                                  | h/South Line  | Feet from the     | East/W      | est Line | County       |              |              |
| P   | 27           | 32N   | 14W         | 932           |                                       | FSL   | 845               | FE          | EL       | San Juan     |              |              |
|   |              |   |             | Latitude 36.9 | 5417                                  | Longit  | 1de -108. 29028   | 3           |          |              |              |              |
|   |              |   |             | NAT           | URE                                   | COF REL   | EASE              | -           |          |              |              |              |
| Type of Relea   | ase: Produc  | ed Water  |             |               |                                       | Volume of   | Release: 96 BBL   |             | Volume F | lecovered: 1 | None         |              |
| Source of Re  | lease: Below | w Grade Tank  |             |               |                                       | Date and H  | lour of Occurrenc | e:          | Date and | Hour of Dis  | covery       | : 11-13-2014 |
| Was Immedia   | ate Notice C | Given?  |             |               | <u> </u>                              | If YES. To  | Whom?             | l_          |          |              |              |              |
|   |              |   | Yes 🗌       | ] No 🖾 Not R  | equirec                               |   |                   |             |          |              |              |              |
| By Whom?  |              |   |             |               |                                       | Date and H  | lour              |             |          |              |              |              |
| Was a Watero  | course Reac  | hed?  | Vac N       | 1. No.        |                                       | If YES, Vo  | lume Impacting t  | the Water   | course.  |              |              |              |
|   |              |   |             |               |                                       |   |                   |             |          |              |              |              |
| If a Watercou   | irse was Imj | pacted, Descr   | ibe Fully.* | k             |                                       |   | •                 |             |          |              |              |              |
|   |              |   |             |               |                                       |   |                   |             |          |              |              |              |
| <ul> <li>b) If A Notion 41817 at obs ppin and the Controle Standard of 250 ppin via 257 ppin via 256 ppin via 0500 continuing that a release has beed 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 200 feet. This set the closure standard to 100 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX.</li> <li>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 wa 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 &lt;0.092 ppm and total BTEX at 1.042 via EPA Method 8021 and TPH at 88 ppm via USEPA Method 8015. The Bottom samp was collected at approximately 14' deep and returned results below standards for benzene at &lt;0.10 ppm and total BTEX at 6.21 ppm via USEPA 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 be standards for TPH at 49.8 ppm. These results are below standards for Benzene at &lt;0.10 ppm and total BTEX at 0.21 ppm via USEPA Method 8015 at 1250 ppm. The excavation of Leaks, Spills and Releases and a request to cle the excavation was sent to the BLM. The BLM requested two additional samples be collected and that a BLM representative witness the sample collec 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 shade 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</li></ul> |              |   |             |               |                                       | anked a 20<br>r less than<br>ed at this<br>eep, a wall<br>as below<br>om sample<br>PA Method<br>ove<br>results below<br>est to close<br>le collection.<br>apacted soil<br>Ute<br>ed.<br>ales and<br>adanger<br>liability<br>man health<br>v other |                   |             |          |              |              |              |
| federal, state,<br>Signature:   | or local law | tetu<br>tetu  | lations.    |               |                                       | OIL CONSERVATION DIVISIONApproved by Environmental Specialist:  |                   |             |          |              |              |              |
|   |              |   |             |               | 2                                     | #WCS  | 150125            | 352`        | Ĩ        |              |              | (28)         |

| Title: EFIS Coordinator                     | Approval Date: 1/2/15   | Expiration Date: |
|---|-------------------------|------------------|
| E-mail Address: Kurt_Hoekstra@xtoenergy.com | Conditions of Approval: | Attached $\Box$  |
| Date: 12-12-14 Phone: 505-333-3100          |                         |                  |

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\* Attach Additional Sheets If Necessary

#### Oil or Water Spill TO SOIL Volume Spreadsheet

#### Calculator Updated 6/2/2008

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|   | INPUT FIELDS<br>OUTPUT<br>RESULT       | -      |                           |                    |                        |
|---|--|--------|---------------------------|--------------------|------------------------|
| Location:<br>GPS Coordinates:<br>Spill Date:<br>Spill Time: |  | 4 7    |                           |                    |                        |
| Length of Spill=<br>Width of Spill=<br>Saturation (or dept  | h) of Spill=                           |        | feet<br>feet<br>inches    |                    |                        |
| Area=<br>Saturation (or dept                                | OR<br>h) of Spill=                     |        | ft <sup>2</sup><br>inches | <b>4</b>           | Use only one<br>method |
| Soil Volume=  | OR                                     | 400.00 | yd³                       |                    |                        |
| Oil Cut=<br>Porosity Factor=                                |  | 0.01   | % Oil                     | Types of Soil      | Porosity Factor        |
| Soil Volume=  |  | 400.00 | yd <sup>3</sup>           | Gravel<br>Sand     | 0.25                   |
| Total Oil in Soil=  | ······································ | 0.01   | barrels                   | Clay/silt/sand Mix | 0.15                   |
| Total Produced Wa   | ter in Soil=                           | 96.16  | barrels                   | Clay<br>Caliche    | 0.05                   |
|   |  |        |                           | 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: <u>www.hallenvironmental.com</u>

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 <u>www.hallenvironmental.com</u> 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

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.

| Analyses |                   | Result  | RL Qual     | Units      | DF Date Analyzed            | R |
|----------|-------------------|---------|-------------|------------|-----------------------------|---|
| Lab ID:  | 1411741-001       | Matrix: | MEOH (SOIL) | Received   | Date: 11/19/2014 8:00:00 AM |   |
| Project: | UTE Indians A #36 |         |             | Collection | Date: 11/18/2014 2:45:00 PM |   |
| CLIENT:  | XTO Energy        |         | C           | lient Samp | ole ID: FARKH-111814-1445   |   |
|          |                   |         |             |            |                             |   |

| Analyses                       | Result   | RL       | Qual | Units | DF  | Date Analyzed       | Batch           |
|--------------------------------|----------|----------|------|-------|-----|---------------------|-----------------|
| EPA METHOD 8015D: DIESEL RANGE | ORGANICS |          |      |       |     | Anal                | yst: BCN        |
| Diesel Range Organics (DRO)    | 1100     | 100      |      | mg/Kg | 10  | 11/19/2014 11:09:23 | 7 AM 16454      |
| Surr: DNOP                     | 0        | 63.5-128 | S    | %REC  | 10  | 11/19/2014 11:09:23 | 7 AM 16454      |
| EPA METHOD 8015D: GASOLINE RAM | IGE      |          |      |       |     | Anal                | yst: <b>NSB</b> |
| Gasoline Range Organics (GRO)  | 150      | 20       |      | mg/Kg | 5   | 11/19/2014 11:25:58 | 3 AM R22632     |
| Surr: BFB                      | 349      | 80-120   | S    | %REC  | 5   | 11/19/2014 11:25:58 | 3 AM R22632     |
| EPA METHOD 8021B: VOLATILES    |          |          |      |       |     | Anal                | yst: NSB        |
| Benzene                        | ND       | 0.10     |      | mg/Kg | 5   | 11/19/2014 11:25:58 | 3 AM R22632     |
| Toluene                        | ND       | 0.20     |      | mg/Kg | 5   | 11/19/2014 11:25:58 | 3 AM R22632     |
| Ethylbenzene                   | 0.31     | 0.20     |      | mg/Kg | - 5 | 11/19/2014 11:25:58 | 3 AM R22632     |
| Xylenes, Total                 | 5.6      | 0.40     |      | mg/Kg | 5   | 11/19/2014 11:25:58 | 3 AM R22632     |
| Surr: 4-Bromofluorobenzene     | 114      | 80-120   |      | %REC  | 5   | 11/19/2014 11:25:58 | 3 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.        | В   |   | Analyte detected in the associated Metho  | d Blank     |
|-------------|---|---|-----|---|---|-------------|
|             | Е | Value above quantitation range                  | . н |   | Holding times for preparation or analysis | exceeded    |
|             | J | Analyte detected below quantitation limits      | NI  | ) | Not Detected at the Reporting Limit       | Page 1 of 5 |
|             | 0 | RSD is greater than RSD1imit                    | Р   |   | Sample pH greater than 2.                 | ruge rors   |
|             | R | RPD outside accepted recovery limits            | RI  | L | Reporting Detection Limit                 |             |
|             | S | Spike Recovery outside accepted recovery limits |     |   |   |             |

| Hall Environmental Analy          | Lab Order 1411741<br>Date Reported: 11/20/2014 |          |               |           |                     |           |
|-----------------------------------|--|----------|---------------|-----------|---------------------|-----------|
| CLIENT: XTO Energy                |  | i        | Client Samp   | le ID: FA | ARKH-111814-1455    |           |
| <b>Project:</b> UTE Indians A #36 |  | 1        | Collection    | Date: 11  | /18/2014 2:55:00 PN | 1         |
| Lab ID: 1411741-002               | Matrix:  | MEOH (SC | DIL) Received | Date: 11  | /19/2014 8:00:00 AN | М         |
| Analyses                          | Result   | RL       | Qual Units    | DF        | Date Analyzed       | Batch     |
| EPA METHOD 8015D: DIESEL RANG     | E ORGANICS                                     |          |               |           | Analy               | /st: 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 RA     | NGE  | , P      |               |           | Analy               | /st: 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       |  | :        |               |           | Analy               | /st: 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 |

80-120

%REC

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**Analytical Report** 

5 11/19/2014 11:54:39 AM R22632

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Surr: 4-Bromofluorobenzene

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

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|             |   |   |    |   | 1.51.1       |
|-------------|---|---|----|---|--------------|
| Qualifiers: | Ŧ | Value exceeds Maximum Contaminant Level.        | в  | Analyte detected in the associated Metho  | od Blank     |
|             | Е | Value above quantitation range                  | Н  | Holding times for preparation or analysis | exceeded     |
|             | J | Analyte detected below quantitation limits      | ND | Not Detected at the Reporting Limit       | Page 2 of 5  |
|             | 0 | RSD is greater than RSDlimit                    | Р  | Sample pH greater than 2.                 | 1 age 2 01 5 |
| ,           | R | RPD outside accepted recovery limits            | RL | Reporting Detection Limit                 |              |
|             | S | Spike Recovery outside accepted recovery limits |    |   |              |

# QC SUMMARY REPORT

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| WO#: | 1411741 |
|------|---------|
|------|---------|

20-Nov-14

Hall Environmental Analysis Laboratory, Inc.

| Client: XTO<br>Project: UTE | Energy<br>ndians A #36 |            |             |          |           |              |           |          |      |
|-----------------------------|------------------------|------------|-------------|----------|-----------|--------------|-----------|----------|------|
| Sample ID MB-16454          | SampType: M            | IBLK       | Tesl        | Code: El | PA Method | 8015D: Diese | l Range C | Drganics |      |
| Client ID: PBS              | Batch ID: 1            | 6454       | R           | unNo: 2  | 2625      |              |           |          |      |
| Prep Date: 11/19/2014       | Analysis Date:         | 11/19/2014 | S           | eqNo: 6  | 67375     | Units: mg/K  | 9         |          |      |
| 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: L            | cs         | Test        | Code: El | PA Method | 8015D: Diese | l Range C | Drganics |      |
| Client ID: LCSS             | Batch ID: 1            | 6454       | R           | unNo: 2  | 2625      |              |           |          |      |
| Prep Date: 11/19/2014       | Analysis Date:         | 11/19/2014 | S           | eqNo: 6  | 67464     | Units: mg/K  | g         |          |      |
| Analyte                     | Result PQL             | SPK value  | SPK Ref Val | %REC     | LowLimit  | HighLimit    | %RPD      | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 44 10                  | 0 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

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Page 3 of 5

## QC SUMMARY REPORT

WO#: 1411741

20-Nov-14

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Hall Environmental Analysis Laboratory, Inc.

| Client:  | XTO Energy        |
|----------|-------------------|
| Project: | UTE Indians A #36 |

| Sample ID MB-16433 MK                                  | Samp                       | ype: ME                        | BLK                             | Tes         | Code: EF                                | PA Method                 | 8015D: Gasc                            | line Rang          | e        |      |
|--|----------------------------|--------------------------------|---------------------------------|-------------|---|---------------------------|--|--------------------|----------|------|
| Client ID: PBS   | Batc                       | h ID: <b>R2</b>                | 2632                            | F           | tun <u>N</u> o: 22                      | 2632                      |  |                    |          |      |
| Prep Date:   | Analysis [                 | Date: <b>1</b> 1               | /19/2014                        | S           | eqNo: 6                                 | 67899                     | Units: mg/#                            | g                  |          |      |
| 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                                 | Samp                       | Type: LC                       | s                               | Tes         | tCode: El                               | PA Method                 | 8015D: Gasc                            | line Rang          | e        |      |
| Client ID: LCSS  | Batc                       | h ID: R2                       | 2632                            | F           | RunNo: 2                                | 2632                      |  |                    |          |      |
|  |                            |                                |                                 |             |   |                           |  |                    |          |      |
| Prep Date:   | Analysis [                 | Date: 11                       | 1/19/2014                       | S           | eqNo: 6                                 | 67901                     | Units: mg/M                            | g                  |          |      |
| Prep Date:<br>Analyte                                  | Analysis [<br>Result       | Date: 1'                       | I/19/2014<br>SPK value          | SPK Ref Val | 60% 60% 60% 60% 60% 60% 60% 60% 60% 60% | 67901<br>LowLimit         | Units: <b>mg/k</b><br>HighLimit        | <b>(g</b><br>_%RPD | RPDLimit | Qual |
| Prep Date:<br>Analyte<br>Gasoline Range Organics (GRO) | Analysis [<br>Result<br>23 | Date: <b>1</b> '<br>PQL<br>5.0 | I/19/2014<br>SPK value<br>25.00 | SPK Ref Val | SeqNo: 6<br>%REC<br>91.1                | 67901<br>LowLimit<br>65.8 | Units: <b>mg/#</b><br>HighLimit<br>139 | <b>(g</b>          | RPDLimit | Qual |

#### Qualifiers:

\* Value exceeds Maximum Contaminant Level.

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- 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

Page 4 of 5

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|                       | Hall Environment | al Analysis Laboratory, Inc. |  |
|-----------------------|------------------|------------------------------|--|
|                       | Hall Environment | al Analysis Laboratory Inc   |  |
| VAL SUIVIANT KEFTAJKI | UC SUIVIVIARY    |                              |  |

WO#: 1411741

20-Nov-14

**Client: Project:** 

· XTO Energy UTE Indians A #36

| Sample ID MB-16433 MK  | Samp   | Гуре: МЕ   | BLK  | Test  | tCode: El  | PA Method  | 8021B: Volat   | tiles               |          |      |
|--|--|--|--|---|--|--|--|---------------------|----------|------|
| Client ID: PBS   | Batc   | h ID: R2   | 2632   | R   | tunNo: 2   | 2632   |  |                     |          |      |
| Prep Date:   | Analysis [   | Date: 11   | /19/2014   | S   | eqNo: 6  | 67965  | Units: mg/K  | (g                  |          |      |
| Analyte  | Result   | PQL  | SPK value  | SPK Ref Val                                       | %REC   | LowLimit   | HighLimit  | %RPD                | RPDLimit | Qual |
| Benzene  | ND   | 0.050  |  |   |  |  |  |                     |          |      |
| Toluene  | ND   | 0.050  |  |   |  |  |  | 1                   |          |      |
| Ethylbenzene   | ND   | 0.050  |  |   |  |  |  |                     |          |      |
| Xylenes, Total   | ND   | 0.10   |  |   |  |  |  |                     |          |      |
| Surr: 4-Bromofluorobenzene   | 1.0  |  | 1.000  |   | <sup>'</sup> 100   | 80   | 120  |                     |          |      |
|  |  |  |  |   |  |  |  |                     |          |      |
| Sample ID LCS-16433 MK   | Samp   | Type: LC   | s  | Test  | tCode: El  | PA Method  | 8021B: Volat   | tiles               | <u> </u> |      |
| Sample ID LCS-16433 MK<br>Client ID: LCSS  | Samp<br>Batc   | Гуре: LC<br>h ID: R2   | S<br>2632  | Tes<br>F  | tCode: El<br>RunNo: 2  | PA Method<br>2632  | 8021B: Volat   | tiles               | <u> </u> |      |
| Sample ID LCS-16433 MK<br>Client ID: LCSS<br>Prep Date:  | Samp<br>Batc<br>Analysis [   | Гуре: LC<br>h ID: R2<br>Date: 11   | S<br>2632<br>/19/2014  | Tesi<br>Fi<br>S                                   | Code: El<br>RunNo: 2<br>SeqNo: 6                                       | PA Method<br>2632<br>67967   | 8021B: Volat<br>Units: mg/K  | tiles<br>Kg         |          |      |
| Sample ID LCS-16433 MK<br>Client ID: LCSS<br>Prep Date:<br>Analyte   | Samp<br>Batc<br>Analysis [<br>Result                               | Fype: LC<br>h ID: R2<br>Date: 11<br>PQL                                    | S<br>2632<br>/19/2014<br>SPK value                                     | Tesi<br>F<br>S<br>SPK Ref Val                     | tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC                              | PA Method<br>2632<br>67967<br>LowLimit                               | 8021B: Volat<br>Units: mg/K<br>HighLimit                             | tiles<br>(g<br>%RPD | RPDLimit | Qual |
| Sample ID LCS-16433 MK<br>Client ID: LCSS<br>Prep Date:<br>Analyte<br>Benzene  | Samp<br>Batc<br>Analysis [<br>Result<br>0.96                       | Fype: LC<br>h ID: R2<br>Date: 11<br>PQL<br>0.050                           | S<br>2632<br>/19/2014<br>SPK value<br>1.000                            | Tesi<br>F<br>S<br>SPK Ref Val<br>0                | Code: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>96.3                       | PA Method<br>2632<br>67967<br>LowLimit<br>80                         | 8021B: Volat<br>Units: mg/K<br>HighLimit<br>120                      | kiles<br>Kg<br>%RPD | RPDLimit | Qual |
| Sample ID LCS-16433 MK<br>Client ID: LCSS<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene                                   | Samp<br>Batc<br>Analysis [<br>Result<br>0.96<br>0.94               | Type: LC<br>h ID: R2<br>Date: 11<br>PQL<br>0.050<br>0.050                  | S<br>2632<br>/19/2014<br>SPK value<br>1.000<br>1.000                   | Tesi<br>F<br>S<br>SPK Ref Val<br>0<br>0           | Code: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>96.3<br>94.3               | PA Method<br>2632<br>67967<br>LowLimit<br>80<br>80                   | 8021B: Volat<br>Units: mg/K<br>HighLimit<br>120<br>120               | tiles<br>(g<br>%RPD | RPDLimit | Qual |
| Sample ID LCS-16433 MK<br>Client ID: LCSS<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene                   | Samp<br>Batc<br>Analysis [<br>Result<br>0.96<br>0.94<br>1.0        | Type: LC<br>h ID: R2<br>Date: 11<br>PQL<br>0.050<br>0.050<br>0.050         | S<br>2632<br>/19/2014<br>SPK value<br>1.000<br>1.000<br>1.000          | Tesi<br>F<br>S<br>SPK Ref Val<br>0<br>0<br>0      | Code: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>96.3<br>94.3<br>102        | PA Method<br>2632<br>67967<br>LowLimit<br>80<br>80<br>80             | 8021B: Volat<br>Units: mg/K<br>HighLimit<br>120<br>120<br>120        | tiles<br>(g<br>%RPD | RPDLimit | Qual |
| Sample ID LCS-16433 MK<br>Client ID: LCSS<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total | Samp<br>Batc<br>Analysis I<br>Result<br>0.96<br>0.94<br>1.0<br>3.0 | Type: LC<br>h ID: R2<br>Date: 11<br>PQL<br>0.050<br>0.050<br>0.050<br>0.10 | S<br>2632<br>/19/2014<br>SPK value<br>1.000<br>1.000<br>1.000<br>3.000 | Tesi<br>F<br>SPK Ref Val<br>0<br>0<br>0<br>0<br>0 | Code: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>96.3<br>94.3<br>102<br>101 | PA Method<br>2632<br>67967<br>LowLimit<br>80<br>80<br>80<br>80<br>80 | 8021B: Volat<br>Units: mg/K<br>HighLimit<br>120<br>120<br>120<br>120 | tiles<br>Sg<br>%RPD | RPDLimit | Qual |

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- Е Value above quantitation range
- Analyte detected below quantitation limits J
- RSD is greater than RSDlimit 0
- RPD outside accepted recovery limits R
- Spike Recovery outside accepted recovery limits S
- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

.

- Sample pH greater than 2. Р
- RL Reporting Detection Limit

Page 5 of 5

| HALL<br>ENVIRONMENTAL<br>ANALYSIS<br>LABORATORY   | Hall Environ<br>TEL: 505-34<br>Website: **  | nnental Analysis Laborator<br>4901 Hawkins N<br>Albuquerque, NM 8710<br>15-3975 FAX: 505-345-410<br>www.hallenvironmental.com | s<br>s<br>s<br>s<br>s<br>s                                       | ple Log-In Ch   | neck List          |
|---|---|---|--|---|--------------------|
| Client Name: XTO Energy   | Vvork Order N   | umber: 1411741  |  | RcptNo:   | 1                  |
| Received by/date:   | 11/10/2014 8:00   | 14  | A  |   |                    |
| Completed By: Ashley Callegos   | 11/19/2014 0.00   | .00 ANI   |  |   |                    |
| Reviewed By:  | 11/19/2014 0.30   | .54 AW  | st f   |   |                    |
| Chain of Custody  |   |   | <u> </u>   | · <u>·····</u> ····   |                    |
| 1 Custody seals intact on sample bottles?   |   | Yes   | No 🗆   | Not Present 🗹   |                    |
| 2 Is Chain of Custody complete?   |   | Yes V   | No 🗌   | Not Present   |                    |
| 3. How was the sample delivered?  |   | Courier   |  |   |                    |
| Log In  |   |   |  |   |                    |
| 4. Was an attempt made to cool the sample   | es?   | Yes 🔽   | No 🗌   |   |                    |
| 5. Were all samples received at a temperat  | ture of >0° C to 6.0°   | CYes 🗹  | No 🗍   |   |                    |
| 6. Sample(s) in proper container(s)?  |   | Yes- 🗹  | No 🗌   |   |                    |
| 7 Sufficient sample volume for indicated te   | st(s)?  | Yes 🔽   | No 🗌   |   |                    |
| 8. Are samples (except VOA and ONG) pro   | perly preserved?  | Yes 🗹   | No 🗌   |   |                    |
| 9. Was preservative added to bottles?   |   | Yes 🗋   | No 🗹   | NA 🗔  |                    |
| 10.VOA vials have zero headspace?   |   | Yes \Box  | No 🗆   | No VOA Vials 🗹  |                    |
| 11. Were any sample containers received by  | roken?  | Yes   | No 🗹   | # of preserved  |                    |
| 12.Does paperwork match bottle labels?  |   | Yes 🗹   | No 🗆   | bottles checked<br>for pH:  |                    |
| (Note discrepancies on chain of custody   | )<br>of Custody?  | Vec V   | No 🗔   | Adjusted?   | 2 12 uniess noted) |
| 14 is it clear what analyses were requested   | 2   | Yes 🗸   |  |   |                    |
| 15. Were all holding times able to be met?<br>(If no. notify customer for authorization.) | ,   | Yes 🗹   | No 🗌   | Checked by:   |                    |
| Spacial Handling (if applicable)  |   |   |  |   |                    |
| 16 Wes allow petilied of all discoversion   | ith this order?   |   |  |   |                    |
|   |   |   |  |   | ]                  |
| Person Notified:  |   |   |  |   |                    |
| Begarding   |   |   |  |   |                    |
| Client Instructions:  | ,<br>1944-1948 - B.V.B. 1948 - 1978 - 1979 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1<br>1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - |   |  |   |                    |
| 17. Additional remarks:   |   | da danta al ten i sentengen del any a a a di Palat decida dala  | nya perandahan di sebuah dari dari dari dari dari dari dari dari | na na paga na na kata makakata takikata na kata kata na |                    |
| 18. Cooler Information  | ·   | •   |  |   |                    |
| Cooler No Temp % Condition  | Seal Intact Seal  | No Seal Date S  | Signed By  |   |                    |
| 1 <u>2.4</u> Good   | Tes   |   |  | 1   |                    |

.....

|                                   |            | Que         | o Number             |                         | I           |   |                   | 1                 |                    | And   | lysis   |         |                  | - Lab    | Informa                                 | tion          |
|-----------------------------------|------------|-------------|----------------------|-------------------------|-------------|---|-------------------|-------------------|--------------------|---|---------|---------|------------------|----------|---|---------------|
| XTO                               | E<br>S     | xTC         |                      |                         |             | Page of<br>KTO Contact Phor<br>505 -486 - 0   |                   | ╞                 |                    |   |         |         |                  | . ardn.  | morma                                   | LIQ11         |
| <b>VENERGY</b>                    | £          | <u> </u>    |                      | Emai                    | <br>Results | to:   |                   | 1                 |                    |   |         |         | 1                |          |   |               |
| Wettern Divition                  | ň          |             | ,                    | . /                     | • • • •     |   |                   |                   |                    |   |         |         |                  | Office   | Abbrevi                                 | <u>ations</u> |
|                                   |            |             | JANE                 | <u>s, K</u>             | LET,        | LOGAN   | · · · · ·         |                   |                    |   |         |         |                  | Farming  | ton = FAI                               | R             |
| Well Site/Location                | 471        |             | Number               | u.m.A                   | DAT         | Test Reason   | D:A               |                   |                    |   |         |         |                  | Babben : | = BAK                                   |               |
| Collected Bu                      | 0          | Jamj        | ales on Ice          |                         | Der _       | Turnaround  | K-1 off           |                   |                    |   |         |         | 1                | Raton =  | RAT                                     |               |
| KUET                              |            |             | V) N) 🕐              |                         | St          | andard  |                   | 5                 |                    | ]   |         |         |                  | Piceance | = PC                                    |               |
| Company                           |            | QA/QC       | Requeste             | d                       | <u>×</u> •  | ext Day SAME  | DAY               | 12                | N                  |   |         |         |                  | Roosevel | t = RSV                                 |               |
| XTTO / /                          |            |             |                      |                         | T           | vo Day  | ſ                 | \$                | 8                  |   |         |         | 1                | La Barge | = LB                                    |               |
| Signature                         |            |             | Y<br>Nananadalananan | 6899 <b>0</b> 404011213 | <u>т</u>    | iree Day  | contract)         |                   |                    |   |         | ,       |                  | Orangev  | ille = OV                               |               |
| Kingda both                       |            |             |                      | a crist                 | Date No     | eded  | contract)         | Ŧ                 | い                  |   |         |         |                  |          |   |               |
| - pung yockand                    | r'         |             |                      |                         |             |   | No. of            | 1 🕅               | F                  |   |         |         | 1                |          |   |               |
| Sample ID                         | Sam        | ple Name    | Media                | Date                    | Time        | Preservative  | Conts.            | ~                 | PD<br>D            |   |         | -       |                  |          | JENU                                    | ber           |
| EARKH -111914 -144-5              | Barrow     | n4 14       | 5                    | July                    | 2:45        | DUNE  | 1                 | X                 | X                  |   | -       |         |                  |          |   | DØ1           |
| FLOKH-111814-1455                 | A Way      | L. CONIC    | 4                    | whee                    | 2:55        | and KE  |                   | X                 | X                  |   | 1.      |         | 1                |          |   | <b>B</b> Ch   |
|                                   |            | - South     |                      |                         | 2.24        |   | <u>↓</u> • • • •  |                   |                    |   | +       | _       |                  |          |   |               |
|                                   | · · ·      |             |                      |                         |             |   |                   |                   |                    |   |         |         |                  |          |   |               |
|                                   |            |             |                      | <u> </u>                |             |   | <u> </u>          |                   |                    |   |         |         |                  |          |   |               |
| ·                                 |            |             | <u> </u>             | ┝──╼                    | · · · · ·   |   | <del>  , , </del> |                   |                    | <u> </u>  |         |         |                  |          |   |               |
|                                   |            |             |                      |                         |             | <u>                                     </u>  |                   |                   |                    |   |         |         |                  |          |   |               |
|                                   |            |             |                      |                         | ļ           |   | ļ                 |                   |                    |   |         |         |                  |          |   |               |
|                                   |            |             |                      |                         | •           |   | Ļ                 |                   |                    |   |         |         |                  |          |   |               |
| <u> </u>                          |            |             |                      | L                       | L           |   |                   |                   |                    |   |         |         |                  |          |   |               |
| _                                 |            |             |                      |                         |             |   |                   |                   |                    |   |         |         |                  |          |   |               |
|                                   |            |             | Ţ                    |                         |             |   |                   |                   |                    |   |         |         |                  |          |   |               |
|                                   |            |             |                      |                         | 1           |   |                   |                   |                    |   |         |         | 1                |          |   |               |
|                                   |            |             |                      | <b></b>                 | 1           |   |                   |                   |                    |   |         |         |                  |          |   |               |
| Media : Filter = F Soil = S Waste | water = W\ | W Groundwat | er = GW D            | rinking V               | Vaster = D  | W Sludge = SG S   | urface Wate       | er = SV           | / Air              | = A D   | rill Mu | iđ = Dħ | 1 Oth            | er = OT  |   | 19 Holdestowe |
| Polinguished But (Signature)      |            |             | Date:                |                         | Time:       | Received Bu: (Sig   | mature) /         |                   | _                  |   |         |         |                  |          |   |               |
| lust La billi                     |            |             | 11-18                | -14                     | 1700        | b/htl.  | CAL               | -                 |                    |   |         |         |                  |          |   |               |
| Relinquished By (Signature)       |            |             | Date:                | 11                      | Time:       | Received By (Sig  | mature)           |                   |                    | -   |         |         |                  |          |   |               |
| ( "how his ce)                    | 20         |             | 11181                | 14                      | 2055        | MAY   | <u> </u>          |                   | \                  |   |         | X       | 94               |          | ier Infor                               | natio         |
| Relinquished By: (Signature)      |            |             | Daté: 7              |                         | Time:       |   |                   | ture)             |                    |   | Ð,      |         | <b>Nini</b>      |          |   |               |
|                                   |            |             |                      |                         | <u></u>     | Print and a second s |                   | unterest (Carding | CALIFIC CONTRACTOR | ACCULATION (THE COLOR OF COLOR |         |         | E 18331915191611 |          | onne anna anna anna anna anna anna anna |               |
| vommenns                          |            |             |                      |                         |             |   |                   |                   |                    |   |         |         |                  |          |   |               |

\* 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: <u>www.hallenvironmental.com</u>

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 <u>www.hallenvironmental.com</u> 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,

Ander

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

| CLIENT: XTO Energy<br>Project: Ute Indians A #36 |          |          | C    | Client Sampl                               | e ID: FA<br>Date: 12/ | RKH-120114-1430       |        |
|--|----------|----------|------|--|-----------------------|-----------------------|--------|
| Lab ID: 1412046-001                              | Matrix:  | SOIL     |      | <b>Received Date:</b> 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 RAI                   | NGE      |          |      |  |                       | 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 |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report Lab Order 1412046

Date Reported: 12/3/2014

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

|             |   |   | the second se |   |              |
|-------------|---|---|---|---|--------------|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level.        | В   | Analyte detected in the associated Method | od Blank     |
|             | Е | Value above quantitation range                  | Н   | Holding times for preparation or analysi  | s exceeded   |
|             | J | Analyte detected below quantitation limits      | ND  | Not Detected at the Reporting Limit       | Page 1 of 5  |
|             | 0 | RSD is greater than RSDlimit                    | Р   | Sample pH greater than 2.                 | 1 450 1 01 5 |
|             | R | RPD outside accepted recovery limits            | RL  | Reporting Detection Limit                 |              |
|             | S | Spike Recovery outside accepted recovery limits |   |   |              |
|             |   |   |   |   |              |

Client:XTO EnergyProject:Ute Indians A #36

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| Sample ID MB-16598   | SampT   | ype: MI  | BLK  | Tes   | tCode: El  | PA Method  | 8015D: Dies   | el Range (  | Drganics                         |      |
|--|---|--|--|---|--|--|---|---|----------------------------------|------|
| Client ID: PBS   | Batch   | ID: 16   | 598  | F   | RunNo: 2   | 2870   |   |   |                                  |      |
| Prep Date: 11/26/2014  | Analysis D  | ate: 1:  | 2/2/2014   | S   | SeqNo: 6   | 75060  | Units: %RE  | C   |                                  |      |
| Analyte  | Result  | PQL  | SPK value  | SPK Ref Val   | %REC   | LowLimit   | HighLimit   | %RPD  | RPDLimit                         | Quai |
| Surr: DNOP   | 8.7   |  | 10.00  |   | 86.8   | 63.5   | 128   |   |                                  |      |
| Sample ID MB-16622   | SampT   | ype: MI  | BLK  | Tes   | tCode: El  | PA Method  | 8015D: Dies   | el Range (  | Drganics                         |      |
| Client ID: PBS   | Batch   | ID: 16   | 622  | F   | RunNo: 2   | 2870   |   |   |                                  |      |
| Prep Date: 12/2/2014   | Analysis D  | ate: 1   | 2/2/2014   | S   | BegNo: 6   | 75142  | Units: <b>mg/H</b>  | ٢g  |                                  |      |
| 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   | 69  |  | 10.00  |   | 69.4   | 63.5   | 128   |   |                                  |      |
|  |   |  |  |   |  |  |   |   |                                  |      |
| Sample ID LCS-16622  | SampT   | ype: LC  |  | Tes   | tCode: El  | PA Method  | 8015D: Dies   | el Range (  | Drganics                         |      |
| Sample ID LCS-16622<br>Client ID: LCSS   | SampT<br>Batch  | ype: LC  | :S<br>622  | Tes<br>F  | tCode: El<br>RunNo: 2  | PA Method<br>2870  | 8015D: Dies   | el Range (  | Drganics                         |      |
| Sample ID LCS-16622<br>Client ID: LCSS<br>Prep Date: 12/2/2014   | SampT<br>Batch<br>Analysis D  | ype: LC<br>ID: 16<br>ate: 12   | 622<br>2/2/2014  | Tes<br>F<br>S   | tCode: El<br>RunNo: 2<br>SeqNo: 6  | PA Method<br>2870<br>75163   | 8015D: Dies<br>Units: mg/r  | el Range (<br>(g                                    | Drganics                         |      |
| Sample ID LCS-16622<br>Client ID: LCSS<br>Prep Date: 12/2/2014<br>Analyte  | SampT<br>Batch<br>Analysis D<br>Result  | ype: LC<br>ID: 16<br>ate: 12<br>PQL  | 55<br>622<br>2/2/2014<br>SPK value   | Tesi<br>F<br>S<br>SPK Ref Val                             | tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC  | PA Method<br>2870<br>75163<br>LowLimit   | 8015D: Dies<br>Units: mg/k<br>HighLimit   | el Range (<br>(g<br>%RPD                            | Drganics<br>RPDLimit             | Qual |
| Sample ID LCS-16622<br>Client ID: LCSS<br>Prep Date: 12/2/2014<br>Analyte<br>Diesel Range Organics (DRO)   | SampTr<br>Batch<br>Analysis D<br>Result<br>44   | ype: LC<br>ID: 16<br>ate: 12<br>PQL<br>10  | S<br>622<br>2/2/2014<br>SPK value<br>50.00                                   | Tes<br>F<br>S<br>SPK Ref Val<br>0                         | tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>87.8  | PA Method<br>2870<br>75163<br>LowLimit<br>68.6   | 8015D: Dies<br>Units: mg/r<br>HighLimit<br>130  | el Range (<br>(g<br>%RPD                            | Drganics<br>RPDLimit             | Qual |
| Sample ID LCS-16622<br>Client ID: LCSS<br>Prep Date: 12/2/2014<br>Analyte<br>Diesel Range Organics (DRO)<br>Surr: DNOP   | SampTr<br>Batch<br>Analysis D<br>Result<br>44<br>3.6  | ype: LC<br>ID: 16<br>ate: 1:<br>PQL<br>10  | <b>50.00</b><br><b>50.00</b><br><b>50.00</b>                                 | Tesi<br>F<br>S<br>SPK Ref Val<br>0                        | tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>87.8<br>71.0  | PA Method<br>2870<br>75163<br>LowLimit<br>68.6<br>63.5   | 8015D: Diese<br>Units: mg/F<br>HighLimit<br>130<br>128  | el Range (<br>(g<br>%RPD                            | Drganics<br>RPDLimit             | Qual |
| Sample ID LCS-16622<br>Client ID: LCSS<br>Prep Date: 12/2/2014<br>Analyte<br>Diesel Range Organics (DRO)<br>Surr: DNOP   | SampTr<br>Batch<br>Analysis D<br>Result<br>44<br>3.6<br>SampTr                                  | ype: LC<br>1D: 16<br>ate: 12<br>PQL<br>10<br>ype: LC                             | SFK value<br>50.00<br>5.000  | Tesi<br>F<br>S<br>SPK Ref Val<br>0<br>Tesi                | tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>87.8<br>71.0<br>tCode: El                                 | PA Method<br>2870<br>75163<br>LowLimit<br>68.6<br>63.5<br>PA Method                              | 8015D: Diese<br>Units: mg/F<br>HighLimit<br>130<br>128<br>8015D: Diese                            | el Range (<br>(g<br>%RPD<br>el Range (              | Drganics<br>RPDLimit<br>Drganics | Qual |
| Sample ID LCS-16622<br>Client ID: LCSS<br>Prep Date: 12/2/2014<br>Analyte<br>Diesel Range Organics (DRO)<br>Surr: DNOP<br>Sample ID LCS-16598<br>Client ID: LCSS                                     | SampTr<br>Batch<br>Analysis D<br>Result<br>44<br>3.6<br>SampTr<br>Batch                         | ype: LC<br>ID: 16<br>ate: 12<br>PQL<br>10<br>ype: LC                             | 5000<br>522<br>2/2/2014<br>50.00<br>5.000<br>5.000<br>5.000<br>5.000         | Tesi<br>F<br>S<br>SPK Ref Val<br>0<br>Tesi<br>F           | tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>87.8<br>71.0<br>tCode: El<br>RunNo: 2                     | PA Method<br>2870<br>75163<br>LowLimit<br>68.6<br>63.5<br>PA Method<br>2870                      | 8015D: Diese<br>Units: mg/k<br>HighLimit<br>130<br>128<br>8015D: Diese                            | el Range (<br>(g<br>%RPD<br>el Range (              | Drganics<br>RPDLimit<br>Drganics | Qual |
| Sample ID LCS-16622<br>Client ID: LCSS<br>Prep Date: 12/2/2014<br>Analyte<br>Diesel Range Organics (DRO)<br>Surr: DNOP<br>Sample ID LCS-16598<br>Client ID: LCSS<br>Prep Date: 11/26/2014            | SampTr<br>Batch<br>Analysis D<br>Result<br>44<br>3.6<br>SampTr<br>Batch<br>Analysis D           | ype: LC<br>ID: 16<br>ate: 1:<br>PQL<br>10<br>ype: LC<br>ID: 16<br>ate: 1:        | SPK value<br>50.00<br>5.000<br>5.000   | Tesi<br>F<br>S<br>SPK Ref Val<br>0<br>Tesi<br>F<br>S      | tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>87.8<br>71.0<br>tCode: El<br>RunNo: 2<br>SeqNo: 6         | PA Method<br>2870<br>75163<br>LowLimit<br>68.6<br>63.5<br>PA Method<br>2870<br>75175             | 8015D: Diese<br>Units: mg/F<br>HighLimit<br>130<br>128<br>8015D: Diese<br>Units: %RE              | el Range (<br>(g<br>%RPD<br>el Range (<br>C         | Drganics<br>RPDLimit<br>Drganics | Qual |
| Sample ID LCS-16622<br>Client ID: LCSS<br>Prep Date: 12/2/2014<br>Analyte<br>Diesel Range Organics (DRO)<br>Surr: DNOP<br>Sample ID LCS-16598<br>Client ID: LCSS<br>Prep Date: 11/26/2014<br>Analyte | SampTr<br>Batch<br>Analysis D<br>Result<br>44<br>3.6<br>SampTr<br>Batch<br>Analysis D<br>Result | ype: LC<br>ID: 16<br>ate: 12<br>PQL<br>10<br>ype: LC<br>ID: 16<br>ate: 12<br>PQL | 2/2/2014<br>SPK value<br>50.00<br>5.000<br>S<br>598<br>2/2/2014<br>SPK value | Tesi<br>F<br>SPK Ref Val<br>0<br>Tesi<br>F<br>SPK Ref Val | tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>87.8<br>71.0<br>tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC | PA Method<br>2870<br>75163<br>LowLimit<br>68.6<br>63.5<br>PA Method<br>2870<br>75175<br>LowLimit | 8015D: Diese<br>Units: mg/k<br>HighLimit<br>130<br>128<br>8015D: Diese<br>Units: %RE<br>HighLimit | el Range (<br>(g<br>%RPD<br>el Range (<br>C<br>%RPD | Drganics<br>RPDLimit<br>Drganics | Qual |

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

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1 age

Client:XTO EnergyProject:Ute Indians A #36

|                            |              |          |           |             | ··       |           |             |            |          |      |
|----------------------------|--------------|----------|-----------|-------------|----------|-----------|-------------|------------|----------|------|
| Sample ID MB-16613         | MK Samp      | Туре: М  | BLK       | Tes         | Code: El | PA Method | 8015D: Gaso | oline Rang | e        |      |
| Client ID: PBS             | Batc         | h ID: R  | 22878     | · R         | unNo: 2  | 2878      |             |            |          |      |
| Prep Date:                 | Analysis [   | Date: 1  | 2/2/2014  | S           | eqNo: 6  | 75828     | Units: mg/H | ٢g         |          |      |
| 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-1661         | 3 MK Samp    | Type: LC | cs        | Test        | Code: EF | PA Method | 8015D: Gaso | line Rang  | 0        |      |
| Client ID: LCSS            | Batc         | h ID: R  | 22878     | R           | unNo: 2  | 2878      |             |            |          |      |
| Prep Date:                 | Analysis [   | Date: 1  | 2/2/2014  | S           | eqNo: 6  | 75829     | Units: mg/k | (g         |          |      |
| 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         | Samp         | Туре: М  | BLK       | Test        | Code: Ef | PA Method | 8015D: Gaso | oline Rang | e        |      |
| Client ID: PBS             | Batc         | h ID: 16 | 613       | R           | unNo: 2  | 2878      |             |            |          |      |
| Prep Date: 12/1/201        | 4 Analysis ( | Date: 1  | 2/2/2014  | S           | eqNo: 6  | 75835     | Units: %RE  | C          |          |      |
| 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-1661         | 3 Samp       | Type: LC | cs        | Test        | Code: EF | PA Method | 8015D: Gaso | oline Rang | e        |      |
| Client ID: LCSS            | Batc         | h ID: 16 | 613       | R           | unNo: 2  | 2878      |             |            |          |      |
| Prep Date: 12/1/201        | 4 Analysis [ | Date: 1  | 2/2/2014  | s           | eqNo: 6  | 75836     | Units: %RE  | C          |          |      |
| 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

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**Client: Project:** Ute Indians A #36

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**XTO Energy** 

| Sample ID MB   | B-16613 MK  | Samp   | Туре: М  | BLK  | Tes  | tCode: E   | PA Method  | 8021B: Vola  | tiles  |  |      |
|--|---|--|--|--|--|--|--|--|--|--|------|
| Client ID: PBS   | BS  | Batc   | h ID: R2   | 2878   | F  | RunNo: 2   | 2878   |  |  |  |      |
| Prep Date:   |   | Analysis [   | Date: 12   | 2/2/2014   | :  | SeqNo: 6   | 75868  | Units: mg/ł  | ٢g   |  |      |
| 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-Bromofluo  | orobenzene  | 1.1  |  | 1.000  |  | 105  | 80   | 120  |  |  |      |
| Sample ID LCS  | S-16613 MK  | Samp   | Гуре: LC   | S  | Tes  | tCode: E   | PA Method  | 8021B: Vola  | tiles  |  |      |
| Client ID: LCS   | SS  | Batc   | h ID: R2   | 2878   | F  | RunNo: <b>2</b>  | 2878   |  |  |  |      |
| Prep Date:   |   | Analysis [   | Date: 12   | 2/2/2014   | 5  | SeqNo: 6   | 75869  | Units: mg/H  | (g   |  |      |
| 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-Bromofluo  | orobenzene  | 1.1  |  | 1.000  |  | 113  | 80   | 120  |  |  |      |
|  |   |  |  |  |  |  |  |  |  |  |      |
| Sample ID 141  | 12046-001AMS  | Samp   | Гуре: МS   | 3  | Tes  | tCode: E   | PA Method  | 8021B: Vola  | tiles  |  |      |
| Sample ID 141<br>Client ID: FAR  | 12046-001AMS<br>RKH-120114-14:  | Samp1<br>30 Batcl  | Type: MS<br>h ID: R2   | 5<br>2878  | Tes  | tCode: El<br>RunNo: 2  | PA Method<br>2878  | 8021B: Vola  | tiles  | <u></u>  |      |
| Sample ID 141<br>Client ID: FAR<br>Prep Date:  | 12046-001AMS<br>RKH-120114-14:  | Samp<br>30 Batc<br>Analysis [  | Type: MS<br>h ID: R2<br>Date: 12   | 5<br>2878<br>2/2/2014  | Tes<br>F   | tCode: El<br>RunNo: 2<br>SeqNo: 6  | PA Method<br>2878<br>75871   | 8021B: Vola<br>Units: mg/r   | tiles<br>(g  | <u></u>  |      |
| Sample ID 141<br>Client ID: FAR<br>Prep Date:<br>Analyte   | 12046-001AMS<br>RKH-120114-14:  | Samp]<br>30 Batcl<br>Analysis [<br>Result  | Type: MS<br>h ID: R2<br>Date: 12<br>PQL  | 5<br>2878<br>2/2/2014<br>SPK value   | Tes<br>F<br>SPK Ref Val  | tCode: E<br>RunNo: 2<br>SeqNo: 6<br>%REC   | PA Method<br>2878<br>75871<br>LowLimit   | 8021B: Vola<br>Units: mg//<br>HighLimit  | tiles<br>(g<br>%RPD  | RPDLimit   | Qual |
| Sample ID 141<br>Client ID: FAR<br>Prep Date:<br>Analyte<br>Benzene  | 12046-001AMS<br>RKH-120114-14:  | Samp<br>30 Batcl<br>Analysis [<br>Result<br>0.79   | Type: MS<br>h ID: R2<br>Date: 12<br>PQL<br>0.039   | 5<br>2878<br>2/2/2014<br>SPK value<br>0.7746   | Tes<br>F<br>SPK Ref Val<br>0   | tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>102   | PA Method<br>2878<br>75871<br>LowLimit<br>77.4   | 8021B: Vola<br>Units: mg/H<br>HighLimit<br>142   | tiles<br>(g<br>%RPD  | RPDLimit   | Qual |
| Sample ID 141<br>Client ID: FAR<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene   | 12046-001AMS<br>RKH-120114-14:  | Samp<br>30 Batcl<br>Analysis E<br>Result<br>0.79<br>0.77   | Type: MS<br>h ID: R2<br>Date: 12<br>PQL<br>0.039<br>0.039  | <b>2878</b><br>2/2/2014<br>SPK value<br>0.7746<br>0.7746   | Tes<br>F<br>SPK Ref Val<br>0<br>0.007173   | tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>102<br>98.9   | PA Method<br>2878<br>75871<br>LowLimit<br>77.4<br>77   | 8021B: Vola<br>Units: mg/k<br>HighLimit<br>142<br>132  | tiles<br>(g<br>%RPD  | RPDLimit   | Qual |
| Sample ID 141<br>Client ID: FAR<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene   | 12046-001AMS<br>RKH-120114-14   | Samp<br>30 Batcl<br>Analysis [<br>Result<br>0.79<br>0.77<br>0.81   | Type: MS<br>h ID: R2<br>Date: 12<br>PQL<br>0.039<br>0.039<br>0.039   | 2878<br>2/2/2014<br>SPK value<br>0.7746<br>0.7746<br>0.7746  | Tes<br>F<br>SPK Ref Val<br>0<br>0.007173<br>0.01735  | tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>102<br>98.9<br>102  | PA Method<br>2878<br>75871<br>LowLimit<br>77.4<br>77<br>77.6   | 8021B: Vola<br>Units: mg//<br>HighLimit<br>142<br>132<br>134   | tiles<br>(g<br>%RPD  | RPDLimit   | Qual |
| Sample ID 141:<br>Client ID: FAR<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total  | 12046-001AMS<br>RKH-120114-14   | Samp<br>30 Batcl<br>Analysis [<br>Result<br>0.79<br>0.77<br>0.81<br>2.6  | Type: MS<br>h ID: R2<br>Date: 12<br>0.039<br>0.039<br>0.039<br>0.077   | <b>2878</b><br><b>2/2/2014</b><br><b>SPK value</b><br>0.7746<br>0.7746<br>0.7746<br>2.324  | Tes<br>F<br>SPK Ref Val<br>0<br>0.007173<br>0.01735<br>0.1860  | tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>102<br>98.9<br>102<br>104   | PA Method<br>2878<br>75871<br>LowLimit<br>77.4<br>77.6<br>77.6<br>77.4   | 8021B: Vola<br>Units: mg//<br>HighLimit<br>142<br>132<br>134<br>132  | tiles<br>(g<br>%RPD  | RPDLimit   | Qual |
| Sample ID 141<br>Client ID: FAR<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Surr: 4-Bromofluor   | 0robenzene  | Samp<br>30 Batcl<br>Analysis I<br>Result<br>0.79<br>0.77<br>0.81<br>2.6<br>0.89  | Type: MS<br>h ID: R2<br>Date: 12<br>PQL<br>0.039<br>0.039<br>0.039<br>0.039  | <b>2878</b><br><b>2/2/2014</b><br><b>SPK value</b><br>0.7746<br>0.7746<br>0.7746<br>2.324<br>0.7746  | Tes<br>F<br>SPK Ref Val<br>0<br>0.007173<br>0.01735<br>0.1860  | tCode: E<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>102<br>98.9<br>102<br>104<br>115   | PA Method<br>2878<br>75871<br>LowLimit<br>77.4<br>77.6<br>77.6<br>77.4<br>80   | 8021B: Vola<br>Units: mg/k<br>HighLimit<br>142<br>132<br>134<br>132<br>120   | tiles<br>(g<br>%RPD  | RPDLimit   | Qual |
| Sample ID 141:<br>Client ID: FAR<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Sur: 4-Bromofluor<br>Sample ID 1412   | 0robenzene<br>12046-001AMS<br>RKH-120114-14   | Samp<br>30 Batcl<br>Analysis I<br>Result<br>0.79<br>0.77<br>0.81<br>2.6<br>0.89<br>Samp  | Type: MS<br>h ID: R2<br>Date: 12<br>0.039<br>0.039<br>0.039<br>0.039<br>0.077  | 2878<br>2/2/2014<br>SPK value<br>0.7746<br>0.7746<br>0.7746<br>2.324<br>0.7746<br>5D   | Tes<br>F<br>SPK Ref Val<br>0<br>0.007173<br>0.01735<br>0.1860<br>Tes   | tCode: E<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>102<br>98.9<br>102<br>104<br>115<br>tCode: E   | PA Method<br>2878<br>75871<br>LowLimit<br>77.4<br>77.6<br>77.6<br>77.4<br>80<br>PA Method  | 8021B: Vola<br>Units: mg//<br>HighLimit<br>142<br>132<br>134<br>132<br>120<br>8021B: Vola  | tiles<br>(g<br>%RPD<br>tiles   | RPDLimit   | Qual |
| Sample ID 141:<br>Client ID: FAR<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Surr: 4-Bromofluor<br>Sample ID 1412<br>Client ID: FAR  | 0robenzene<br>12046-001AMS<br>nKH-120114-14:<br>0robenzene<br>12046-001AMSD<br>nKH-120114-143   | Samp<br>30 Batcl<br>Analysis I<br>Result<br>0.79<br>0.77<br>0.81<br>2.6<br>0.89<br>Samp<br>30 Batcl  | Type: MS<br>h ID: R2<br>Date: 12<br>PQL<br>0.039<br>0.039<br>0.039<br>0.039<br>0.077<br>Type: MS<br>h ID: R2   | 2878<br>2/2/2014<br>SPK value<br>0.7746<br>0.7746<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746  | Tes<br>F<br>SPK Ref Val<br>0<br>0.007173<br>0.01735<br>0.1860<br>Tes<br>F  | tCode: E<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>102<br>98.9<br>102<br>104<br>115<br>tCode: El<br>RunNo: 2  | PA Method<br>2878<br>75871<br>LowLimit<br>77.4<br>77.6<br>77.6<br>77.4<br>80<br>PA Method<br>2878  | 8021B: Vola<br>Units: mg/k<br>HighLimit<br>142<br>132<br>134<br>132<br>120<br>8021B: Volat   | tiles<br>(g<br>%RPD<br>tiles   | RPDLimit   | Qual |
| Sample ID 141;<br>Client ID: FAR<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Surr: 4-Bromofluor<br>Sample ID 1412<br>Client ID: FAR<br>Prep Date:  | 0070benzene<br>12046-001AMS<br>RKH-120114-14<br>0070benzene<br>12046-001AMSD<br>RKH-120114-143  | Samp<br>30 Batcl<br>Analysis I<br>0.79<br>0.77<br>0.81<br>2.6<br>0.89<br>Samp<br>30 Batcl<br>Analysis I  | Type: MS<br>h ID: R2<br>Date: 12<br>0.039<br>0.039<br>0.039<br>0.039<br>0.039<br>0.077<br>5/ype: MS<br>h ID: R2<br>Date: 12  | 2878<br>2/2/2014<br>SPK value<br>0.7746<br>0.7746<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>5D<br>2878  | Tes<br>F<br>SPK Ref Val<br>0<br>0.007173<br>0.01735<br>0.1860<br>Tes<br>F<br>S   | tCode: E<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>102<br>98.9<br>102<br>104<br>115<br>tCode: E<br>RunNo: 2<br>SeqNo: 6   | PA Method<br>2878<br>75871<br>LowLimit<br>77.4<br>77.6<br>77.6<br>77.4<br>80<br>PA Method<br>2878<br>75872   | 8021B: Vola<br>Units: mg//<br>HighLimit<br>142<br>132<br>134<br>132<br>120<br>8021B: Volat<br>Units: mg//  | tiles<br>(g<br>%RPD<br>tiles<br>(g   | RPDLimit   | Qual |
| Sample ID 141:<br>Client ID: FAR<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Surr: 4-Bromofluor<br>Sample ID 141:<br>Client ID: FAR<br>Prep Date:<br>Analyte   | 12046-001AMS<br>RKH-120114-14:<br>orobenzene<br>12046-001AMSD<br>RKH-120114-14:                 | Samp<br>30 Batcl<br>Analysis I<br>Result<br>0.79<br>0.77<br>0.81<br>2.6<br>0.89<br>Samp<br>Samp<br>30 Batcl<br>Analysis I<br>Result                | Type: MS<br>h ID: R2<br>Date: 12<br>PQL<br>0.039<br>0.039<br>0.039<br>0.039<br>0.077<br>Type: MS<br>h ID: R2<br>Date: 12<br>PQL  | 2878<br>2/2/2014<br>SPK value<br>0.7746<br>0.7746<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.324<br>2.3244<br>2.3244<br>2.3244<br>2.324 | Tes<br>SPK Ref Val<br>0<br>0.007173<br>0.01735<br>0.1860<br>Tes<br>SPK Ref Val   | tCode: E<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>102<br>98.9<br>102<br>104<br>115<br>tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC                                | PA Method<br>2878<br>75871<br>LowLimit<br>77.4<br>77.6<br>77.6<br>77.4<br>80<br>PA Method<br>2878<br>75872<br>LowLimit   | 8021B: Vola<br>Units: mg/F<br>HighLimit<br>142<br>132<br>134<br>132<br>120<br>8021B: Volat<br>Units: mg/F<br>HighLimit                             | tiles<br>(g<br>%RPD<br>tiles<br>(g<br>%RPD                                 | RPDLimit   | Qual |
| Sample ID 141:<br>Client ID: FAR<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Surr: 4-Bromofluor<br>Sample ID 141:<br>Client ID: FAR<br>Prep Date:<br>Analyte<br>Benzene  | orobenzene<br>12046-001AMS<br>RKH-120114-14:<br>12046-001AMSD<br>RKH-120114-14:                 | Samp<br>30 Batcl<br>Analysis I<br>Result<br>0.79<br>0.77<br>0.81<br>2.6<br>0.89<br>Samp<br>30 Batcl<br>Analysis I<br>Result<br>0.76                | Type: MS<br>h ID: R2<br>Date: 12<br>PQL<br>0.039<br>0.039<br>0.039<br>0.039<br>0.039<br>0.077<br>Type: MS<br>h ID: R2<br>Date: 12<br>PQL<br>0.039  | 2878<br>2/2/2014<br>SPK value<br>0.7746<br>0.7746<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>SPK value<br>0.7746   | Tes<br>F<br>SPK Ref Val<br>0<br>0.007173<br>0.01735<br>0.1860<br>Tes<br>SPK Ref Val<br>0   | tCode: E<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>102<br>98.9<br>102<br>104<br>115<br>tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>98.2                        | PA Method<br>2878<br>75871<br>LowLimit<br>77.4<br>77.6<br>77.6<br>77.4<br>80<br>PA Method<br>2878<br>75872<br>LowLimit<br>77.4                                 | 8021B: Vola<br>Units: mg//<br>HighLimit<br>142<br>132<br>134<br>132<br>120<br>8021B: Volat<br>Units: mg//<br>HighLimit<br>142                      | tiles<br>(g<br>%RPD<br>tiles<br>(g<br>%RPD<br>3.39                         | RPDLimit<br>RPDLimit<br>20                         | Qual |
| Sample ID 141:<br>Client ID: FAR<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Surr: 4-Bromofluor<br>Sample ID 1412<br>Client ID: FAR<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene                                   | 0070benzene<br>12046-001AMS<br>RKH-120114-14:<br>0070benzene<br>12046-001AMSD<br>RKH-120114-14: | Samp1<br>30 Batcl<br>Analysis I<br>0.79<br>0.77<br>0.81<br>2.6<br>0.89<br>Samp1<br>30 Batcl<br>Analysis I<br>Result<br>0.76<br>0.76                | Type:         MS           ID:         R2           Date:         12           PQL         0.039           0.039         0.039           0.039         0.039           0.039         0.039           0.039         0.039           0.077         ID:           Fype:         MS           Date:         12           PQL         0.039           0.039         0.039   | 2878<br>2/2/2014<br>SPK value<br>0.7746<br>0.7746<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>0.7746<br>0.7746<br>0.7746  | Tes<br>SPK Ref Val<br>0<br>0.007173<br>0.01735<br>0.1860<br>Tes<br>F<br>SPK Ref Val<br>0<br>0.007173                                       | tCode: E<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>102<br>98.9<br>102<br>104<br>115<br>tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>98.2<br>96.7                | PA Method<br>2878<br>75871<br>CowLimit<br>77.4<br>77.6<br>77.6<br>77.4<br>80<br>PA Method<br>2878<br>75872<br>LowLimit<br>77.4<br>77.4<br>77.4                 | 8021B: Vola<br>Units: mg//<br>HighLimit<br>142<br>132<br>134<br>132<br>120<br>8021B: Vola<br>Units: mg//<br>HighLimit<br>142<br>132                | tiles<br>(g<br>%RPD<br>tiles<br>(g<br>%RPD<br>3.39<br>2.20                 | RPDLimit<br>RPDLimit<br>20<br>20                   | Qual |
| Sample ID 141:<br>Client ID: FAR<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Surr: 4-Bromofluor<br>Sample ID 1412<br>Client ID: FAR<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene                   | 0070benzene<br>12046-001AMS<br>RKH-120114-14:<br>0070benzene<br>12046-001AMSD<br>RKH-120114-143 | Samp<br>30 Batcl<br>Analysis I<br>0.79<br>0.77<br>0.81<br>2.6<br>0.89<br>Samp<br>30 Batcl<br>Analysis I<br>Result<br>0.76<br>0.78                  | Type:         MS           fype:         R2           bate:         12           PQL         0.039           0.039         0.039           0.039         0.039           0.039         0.039           0.039         0.039           0.077         Image: state st | 2878<br>2/2/2014<br>SPK value<br>0.7746<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>5D<br>2878<br>2/2/2014<br>SPK value<br>0.7746<br>0.7746<br>0.7746<br>0.7746   | Tes<br>F<br>SPK Ref Val<br>0<br>0.007173<br>0.01735<br>0.1860<br>Tes<br>F<br>SPK Ref Val<br>0<br>0.007173<br>0.01735                       | tCode: E<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>102<br>98.9<br>102<br>104<br>115<br>tCode: E<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>98.2<br>96.7<br>98.2         | PA Method<br>2878<br>75871<br>LowLimit<br>77.4<br>77.6<br>77.6<br>77.4<br>80<br>PA Method<br>2878<br>75872<br>LowLimit<br>77.4<br>77.4<br>77.4                 | 8021B: Vola<br>Units: mg//<br>HighLimit<br>142<br>132<br>134<br>132<br>120<br>8021B: Volat<br>Units: mg//<br>HighLimit<br>142<br>132<br>134        | tiles<br>(g<br>%RPD<br>tiles<br>(g<br>%RPD<br>3.39<br>2.20<br>3.60         | RPDLimit<br>RPDLimit<br>20<br>20<br>20             | Qual |
| Sample ID 141;<br>Client ID: FAR<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total<br>Surr: 4-Bromofluor<br>Sample ID 1412<br>Client ID: FAR<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Xylenes, Total | 12046-001AMS<br>RKH-120114-14<br>orobenzene<br>12046-001AMSD<br>RKH-120114-143                  | Samp1<br>30 Batcl<br>Analysis I<br>0.79<br>0.77<br>0.81<br>2.6<br>0.89<br>Samp1<br>30 Batcl<br>Analysis I<br>Result<br>0.76<br>0.76<br>0.78<br>2.5 | Type:         MS           full:         R2           Date:         12           PQL         0.039           0.039         0.039           0.039         0.077           Type:         MS           None:         12           PQL         0.039           0.039         0.039           0.039         0.039           0.039         0.039           0.039         0.039           0.039         0.039           0.039         0.039   | 2878<br>2/2/2014<br>SPK value<br>0.7746<br>0.7746<br>2.324<br>0.7746<br>2.324<br>0.7746<br>5D<br>2878<br>2/2/2014<br>SPK value<br>0.7746<br>0.7746<br>0.7746<br>0.7746<br>2.324  | Tes<br>F<br>SPK Ref Val<br>0<br>0.007173<br>0.01735<br>0.1860<br>Tes<br>F<br>SPK Ref Val<br>0<br>0.007173<br>0.007173<br>0.01735<br>0.1860 | tCode: E<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>102<br>98.9<br>102<br>104<br>115<br>tCode: E<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>98.2<br>96.7<br>98.2<br>99.4 | PA Method<br>2878<br>75871<br>LowLimit<br>77.4<br>77.6<br>77.6<br>77.4<br>80<br>PA Method<br>2878<br>75872<br>LowLimit<br>77.4<br>77.6<br>77.4<br>77.6<br>77.4 | 8021B: Vola<br>Units: mg//<br>HighLimit<br>142<br>132<br>134<br>132<br>120<br>8021B: Volat<br>Units: mg//<br>HighLimit<br>142<br>132<br>134<br>132 | tiles<br>(g<br>%RPD<br>tiles<br>(g<br>%RPD<br>3.39<br>2.20<br>3.60<br>3.76 | RPDLimit<br>RPDLimit<br>20<br>20<br>20<br>20<br>20 | Qual |

#### Qualifiers:

- Value exceeds Maximum Contaminant Level. ٠
- Value above quantitation range Е
- Analyte detected below quantitation limits J
- RSD is greater than RSDlimit 0
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits S
- Analyte detected in the associated Method Blank В

Page 4 of 5

- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Р Sample pH greater than 2.
- RL **Reporting Detection Limit**

WO#: 1412046

03-Dec-14

Client:XTO EnergyProject:Ute Indians A #36

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| 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

Page 5 of 5

WO#: 1412046

03-Dec-14

| S HALL<br>Environmental<br>Analysis<br>Laboratory | Hall Environmental Analysis Labora<br>4901 Hawkin<br>Albuquerque, NM 8<br>TEL: 505-345-3975 FAX: 505-345-<br>Website: www.hallenvironnental | atory<br>s NE<br>7105 Sample Log-II<br>4107<br>.com |
|---|---|---|
| Client Name: XTO Energy                           | Work Order Number: 1412046  | Rq  |
| Received by/date: C DLM                           | 12/02/14  |   |
| Logged By: Celina Sessa                           | 12/2/2014 7:30:00 AM  | aline Some  |
| Completed By: Celina Sessa                        | 12/2/2014 8:28:37 AM  | Celin Som   |
| Reviewed By: <u>TO</u>                            | 12/02/2014  | •   |

### n Check List

| Client Name:                         |  | Work Order Number:     | 1412046        |         | RcptNo: 1  |
|--------------------------------------|--|------------------------|----------------|---------|--|
| Received by/dat                      | te: C5 QLM   | 12/02/14               |                |         |  |
| Logged By:                           | Celina Sessa   | 12/2/2014 7:30:00 AM   |                | Celin S | ma   |
| Completed By:                        | Celina Sessa   | 12/2/2014 8:28:37 AM   |                | Celin S | ma   |
| Reviewed By:                         | <u> </u>   | 12/02/2014             |                |         |  |
| <u>Chain of Cus</u>                  | tody   | · · ·                  |                |         |  |
| 1. Custody sea                       | ils intact on sample bottles?                              |                        | Yes 🛛          | No 🗔    | Not Present 🗹  |
| 2. Is Chain of C                     | Custody complete?  |                        | Yes 🗹          | No 🗌    | Not Present  |
| 3. How was the                       | sample delivered?  |                        | <u>Courier</u> |         |  |
| <u>Log In</u>                        |  |                        |                |         |  |
| 4. Was an atte                       | mpt made to cool the sampl                                 | es?                    | Yes 🗹          | No 🗌    |  |
| 5. Were all san                      | nples received at a temperal                               | ture of >0° C to 6.0°C | Yes 🗹          | No 🗀    |  |
| 6. Sample(s) ir                      | n proper container(s)?                                     |                        | Yes 🗹          | No 🗌    |  |
| 7. Sufficient sa                     | mple volume for indicated te                               | st(s)?                 | Yes 🗹          | No 🗌    |  |
| 8. Are samples                       | (except VOA and ONG) pro                                   | perly preserved?       | Yes 🗹          | No 🗌    |  |
| 9. Was preserv                       | ative added to bottles?                                    |                        | Yes 🗌          | No 🗹    | NA 🔲   |
| 10.VOA vials ha                      | ave zero headspace?  |                        | Yes 🗌          | No 🗌    | No VOA Vials 🗹   |
| 11. Were any sa                      | ample containers received bi                               | roken?                 | Yes 🗌          | No 🗹    | # of preserved   |
| 12.Does paperw<br>(Note discrep      | vork match bottle labels?<br>pancies on chain of custody)  |                        | Yes 🗹          | No 🗆    | bottles checked<br>for pH:<br>(<2 or >12 unless noted) |
| 13 Are matrices                      | correctly identified on Chair                              | of Custody?            | Yes 🗹          | No 🗌    | Adjusted?  |
| 14. Is it clear whi                  | at analyses were requested?                                | ?                      | Yes 🗹          | No 🗆    |  |
| 15.Were all hold<br>(If по, notify d | ting times able to be met?<br>customer for authorization.) |                        | Yes 🗹          | No 🗌    | Checked by:  |
|                                      |  |                        |                |         |  |

### Special Handling (If applicable)

| Was client notified of all di | screpancies with this order?  | Yes            | No 🗌            | NA 🗹     |
|-------------------------------|-------------------------------|----------------|-----------------|----------|
| Person Notified:              |                               | Date:          |                 |          |
| By Whom:                      | امن و الارتباع من ما الله الم | Via: 🗌 eMail 🗌 | Phone 🗌 Fax 🗌 I | n Person |
| Regarding:                    |                               | · ·            | · · · · ·       | <u> </u> |
| Client Instructions:          |                               |                |                 |          |

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17. Additional remarks:

#### 18. Cooler Information

| Ī | Cooler No | Temp ℃ | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|-----------|--------|-----------|-------------|---------|-----------|-----------|
|   | 1         | 3.2    | Good      | Yes         |         |           |           |

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| ATT.                                  |                                       | Quot           | e Number        | •••          | 1                                     |                             |                                       | 1            |          | A            | naly        | sis         |                        |       | Lab Information                          |
|---------------------------------------|---------------------------------------|----------------|-----------------|--------------|---------------------------------------|-----------------------------|---------------------------------------|--------------|----------|--------------|-------------|-------------|------------------------|-------|--|
|                                       |                                       |                |                 |              |                                       | Page of                     | ·:                                    |              | Γ        | [            | ŀ           |             |                        |       |  |
|                                       |                                       | XTC            | ) Contact       |              |                                       | Contact Pho                 | 543                                   |              |          |              |             |             |                        |       | ,<br>,                                   |
| ENERGY                                |                                       |                | -1.             | Emai         | Results                               | to:                         | <u> </u>                              | 1            |          |              |             |             |                        |       |  |
| Western Division                      |                                       |                |                 |              | V                                     | -1.664.5                    |                                       |              |          |              |             |             |                        |       | Office Abbreviations                     |
| Well Site/Location                    |                                       | ΔΡΙ            | Number          | TWED         | - LUK                                 | Test Reason                 |                                       |              |          |              |             |             | . <i>,</i>             |       | Durango = DUR                            |
| UTE INDIANS AT                        | 36                                    | 30-045         | 5-316           | 04           | BGT                                   | CIOQUEE 7                   | vé A                                  |              |          |              |             |             |                        |       | Babben = BAK                             |
| Collected By                          |                                       | Jam            | V N)            | , <b>,</b> , | St                                    | <u>Turnaround</u><br>andard |                                       |              |          |              |             |             |                        |       | Raton = RAT<br>Piceance = PC             |
| Company                               |                                       | QA/QQ          | Requeste        | đ            | XN                                    | ext Day SAME                | Sary                                  |              |          |              |             |             |                        | ·.    | Roosevelt = RSV                          |
| XTO / /                               |                                       |                | 1               |              | T                                     | vo Day<br>Day               |                                       | ľ            |          |              |             |             |                        |       | La Barge = LB                            |
|                                       |                                       |                |                 |              | Std                                   | . 5 Bus. Days (by           | contract)                             | No.          | 2        |              |             |             |                        |       | or angeome - o v                         |
| Curt Harpeller                        | \$                                    | Carey Areen    | ior Lab Us      | e Uniyi      | Date N                                | eded                        |                                       | ō            | 0        |              |             |             |                        |       | an a |
| Sample ID                             | Sam                                   | ple Name       | Media           | Date         | Time                                  | Preservative                | No. of<br>Conts.                      | 00           | <u>م</u> |              |             |             |                        |       | Sample Number                            |
| FARKH - 120114 - 1430                 | Roit                                  | om 251         | 5               | 12-1         | 2:30                                  | ON YCE                      | 1                                     | X            | X        |              |             | İ           |                        |       | -00]                                     |
| · · · · · · · · · · · · · · · · · · · |                                       |                |                 |              |                                       |                             |                                       |              |          |              |             |             |                        |       |  |
|                                       |                                       |                |                 | <u></u>      |                                       |                             |                                       | Į            | ļ        |              | <u> </u>    | ļ           |                        |       |  |
|                                       |                                       | · · · ·        | · · · · ·       | <u> </u>     |                                       |                             |                                       | ļ            | <u> </u> |              |             | <b> </b>    |                        |       |  |
|                                       |                                       |                |                 | 1<br>1       |                                       |                             |                                       | <u> </u>     | <b> </b> | i            |             |             | · ·                    |       |  |
|                                       |                                       |                | <u> </u>        | <u> </u>     | <u> </u>                              |                             |                                       | -            | <b> </b> |              |             |             |                        |       |  |
|                                       | ·                                     |                |                 | ÷            | 1                                     |                             |                                       |              |          | [            |             |             |                        |       |  |
|                                       |                                       | · · · ·        |                 |              | ·                                     |                             |                                       |              |          |              |             |             | ·                      |       |  |
|                                       |                                       |                |                 |              |                                       |                             |                                       |              |          |              |             |             |                        |       | 的是中国的世界的行用。                              |
|                                       |                                       | · · ·          |                 |              |                                       |                             |                                       | <u> </u>     |          | ļ            |             |             | <u>.</u>               |       |  |
|                                       | · · · · · · · · · · · · · · · · · · · |                |                 |              | · · · · · · · · · · · · · · · · · · · |                             | · · · · · · · · · · · · · · · · · · · | <b> </b>     | ┞┅╌┿     | ļ            | · · · · · · |             | <u> </u>               |       |  |
|                                       | A 114                                 | 11 Circumdurat |                 |              | llaiten - F                           |                             | indició Wat                           |              |          |              | Deiti       | l<br>Mariel | =: DŇ                  |       | - OT.                                    |
| Rollmanithed Bre (Manaburgh           |                                       | W Groundwar    | Date            | meng (       | Time:                                 | Reteived By: (Si            | ingture)                              |              |          | - <b>-</b> - | Di la       | Nur         | aber                   | of Bo | tte: Sample Condition                    |
| furt by                               | elle                                  |                | 12-1-           | 14           | 4 20                                  | 1 hristal                   | bete                                  | •            |          |              |             |             |                        |       |  |
| Relinquished By: (Signature)          | 61.                                   |                | Dater           | a.d          | Time                                  | Received By: (Si            | mature)                               | 2-           | ックア      | <u>.</u>     |             | Tem         | Deta                   | ture: |  |
| Polinnusished Bur (Signature)         | - unit                                |                | 17- 1-<br>Date: | ·[ Ŧ         | 11/7)\<br>Time:                       | Received for Lat            | by: (Siand                            | ()<br>iture) |          | ,<br>        |             | Dat         | <u>&gt;, / -</u><br>81 | Thm   | Char mornation                           |
| demained by (managed)                 |                                       |                |                 |              |                                       |                             |                                       | 1.00         |          | 5 20         |             | <b>SKOK</b> | po je st               | 12000 |  |

\* Sample ID will be the office and sampler-date-military time FARIM-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: <u>www.hallenvironmental.com</u>

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 <u>www.hallenvironmental.com</u> 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,

ander

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.

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| Analyses        |                  | Result     | RL Qual | Units      | DF Date Analyzed            | Batch |
|-----------------|------------------|------------|---------|------------|-----------------------------|-------|
| Lab ID:         | 1412279-001      | Matrix: SO | IL.     | Received   | Date: 12/5/2014 7:45:00 AM  |       |
| <b>Project:</b> | Ute Indians A#36 |            |         | Collection | Date: 12/4/2014 10:00:00 AN | Л     |
| CLIENT          | : XTO Energy     |            | C       | lient Samp | le ID: E Wall 6'            |       |

| EPA METHOD 8015D: DIESEL RANGE ORG | ANICS |          |       |   | 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.        | В  | Analyte detected in the associated Metho  | od Blank    |
|-------------|---|---|----|---|-------------|
| -           | Е | Value above quantitation range                  | Н  | Holding times for preparation or analysis | s exceeded  |
|             | J | Analyte detected below quantitation limits      | ND | Not Detected at the Reporting Limit       | Page 1 of 5 |
|             | 0 | RSD is greater than RSDlimit                    | Р  | Sample pH greater than 2.                 | Tage TOTS   |
|             | R | RPD outside accepted recovery limits            | RL | Reporting Detection Limit                 |             |
|             | S | Spike Recovery outside accepted recovery limits |    |   |             |

#### Lab Order 1412279

Date Reported: 12/8/2014

## Hall Environmental Analysis Laboratory, Inc.

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| CLIENT:  | XTO Energy             |            |                   | C    | lient Samp   | le ID: Su | rface                 |        |
|----------|------------------------|------------|-------------------|------|--------------|-----------|-----------------------|--------|
| Project: | Ute Indians A#36       |            |                   |      | Collection 2 | Date: 12  | /4/2014 10:05:00 AM   |        |
| Lab ID:  | 1412279-002            | Matrix:    | SOIL              |      | Received     | Date: 12  | /5/2014 7:45:00 AM    |        |
| Analyses |                        | Result     | RL                | Qual | Units        | DF        | Date Analyzed         | Batch  |
| EPA MET  | HOD 8015D: DIESEL RANG | E ORGANICS |                   |      |              |           | Analyst:              | BCN    |
| Diesel R | ange Organics (DRO)    | 190        | 10                |      | mg/Kg        | 1         | 12/5/2014 11:39:18 AM | 16685  |
| Surr: [  | ONOP                   | 80.2       | 63.5-128          |      | %REC         | 1         | 12/5/2014 11:39:18 AM | 16685  |
| EPA MET  | HOD 8015D: GASOLINE RA | NGE        |                   |      |              |           | Analyst:              | NSB    |
| Gasoline | Range Organics (GRO)   | 61         | 18                |      | mg/Kg        | 4         | 12/5/2014 10:37:49 AM | R22974 |
| Surr: E  | BFB                    | 215        | 80-120            | S    | %REC         | 4         | 12/5/2014 10:37:49 AM | R22974 |
| EPA MET  | HOD 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 |
| Ethylben | zene                   | ND         | 0.18              |      | mg/Kg        | 4         | 12/5/2014 10:37:49 AM | R22974 |
| Xylenes, | Total                  | 1.3        | <sup>′</sup> 0.36 |      | mg/Kg        | 4         | 12/5/2014 10:37:49 AM | R22974 |
| Surr: 4  | 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.        | В  | Analyte detected in the associated Metho  | od Blank     |
|-------------|---|---|----|---|--------------|
|             | Е | Value above quantitation range                  | Н  | Holding times for preparation or analysis | s exceeded   |
|             | J | Analyte detected below quantitation limits      | ND | Not Detected at the Reporting Limit       | Page 2 of 5  |
|             | 0 | RSD is greater than RSDlimit                    | Р  | Sample pH greater than 2.                 | 1 age 2 01 5 |
|             | R | RPD outside accepted recovery limits            | RL | Reporting Detection Limit                 |              |
|             | S | Spike Recovery outside accepted recovery limits |    |   |              |

Client: XTO Energy Project: Ute Indians A#36

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| Sample ID MB-16685   | SampTy   | ype: ME                                   | BLK  | Tes                               | tCode: El   | PA Method                                      | 8015D: Dies                                     | el Range C               | Drganics             |      |
|--|--|---|--|-----------------------------------|---|--|---|--------------------------|----------------------|------|
| Client ID: PBS   | Batch  | ID: 16                                    | 685  | F                                 | RunNo: 2  | 2954   |   |                          |                      |      |
| Prep Date: 12/5/2014   | Analysis Da                                    | ate: 12                                   | 2/5/2014                                   | 5                                 | SeqNo: 6  | 77912  | Units: mg/#                                     | (g                       |                      |      |
| Analyte  | Result   | PQL                                       | SPK value                                  | SPK Ref Val                       | %REC  | LowLimit                                       | HighLimit                                       | %RPD                     | RPDLimit             | Qual |
| Diesel Range Organics (DRO)  | ND   | 10  |  |                                   | ``  |  |   |                          |                      |      |
| Surf: DNOP   | 7.1  |   | 10.00                                      |                                   | 71.0  | 63.5   | 128   |                          |                      |      |
|  |  |   |  |                                   |   |  |   |                          |                      |      |
| Sample ID LCS-16685  | SampTy   | ype: LC                                   | <u>s</u>                                   | Tes                               | tCode: El   | PA Method                                      | 8015D: Dies                                     | el Range (               | Drganics             |      |
| Sample ID LCS-16685<br>Client ID: LCSS   | SampTy<br>Batch                                | ype: LC                                   | S<br>685                                   | Tes                               | tCode: El<br>RunNo: 2                             | PA Method<br>2954                              | 8015D: Dies                                     | el Range (               | Drganics             |      |
| Sample ID LCS-16685<br>Client ID: LCSS<br>Prep Date: 12/5/2014   | SampTy<br>Batch<br>Analysis Da                 | ype: LC<br>ID: 16<br>ate: 12              | S<br>685<br>2/5/2014                       | Tes<br>F                          | tCode: El<br>RunNo: 2<br>SeqNo: 6                 | PA Method<br>2954<br>77913                     | 8015D: Dies<br>Units: mg/k                      | el Range (               | Drganics             |      |
| Sample ID LCS-16685<br>Client ID: LCSS<br>Prep Date: 12/5/2014<br>Analyte                                | SampTy<br>Batch<br>Analysis Da<br>Result       | ype: LC<br>ID: 16<br>ate: 12<br>PQL       | S<br>685<br>1/5/2014<br>SPK value          | Tes<br>F<br>SPK Ref Val           | tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC         | PA Method<br>2954<br>77913<br>LowLimit         | 8015D: Diese<br>Units: <b>mg/K</b><br>HighLimit | el Range (<br>(g<br>%RPD | Drganics<br>RPDLimit | Qual |
| Sample ID LCS-16685<br>Client ID: LCSS<br>Prep Date: 12/5/2014<br>Analyte<br>Diesel Range Organics (DRO) | SampTy<br>Batch<br>Analysis Da<br>Result<br>47 | ype: LC<br>ID: 16<br>ate: 12<br>PQL<br>10 | S<br>685<br>2/5/2014<br>SPK value<br>50.00 | Tes<br>F<br>S<br>SPK Ref Val<br>0 | tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>93.3 | PA Method<br>2954<br>77913<br>LowLimit<br>68.6 | 8015D: Dies<br>Units: mg/k<br>HighLimit<br>130  | el Range (<br>(g<br>%RPD | Drganics<br>RPDLimit | Qual |

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

Page 3 of 5

08-Dec-14

1412279

WO#:

## QC SUMMARY REPORT

| Hall Environmental Analysis Laboratory, Inc. | Hall E | nvironmenta | l Analysis | Laboratory. | Inc. |
|--|--------|-------------|------------|-------------|------|
|--|--------|-------------|------------|-------------|------|

Client:XTO EnergyProject:Ute Indians A#36

|   |  |  |  |  |  |  |   | -  |                                      |      |
|---|--|--|--|--|--|--|---|--|--------------------------------------|------|
| Sample ID 5ML RB  | Samp   | Туре: МІ   | BLK  | Tes  | tCode: E   | PA Method  | 8015D: Gas  | oline Rang   | 6                                    |      |
| Client ID: PBS  | Bato   | ch ID: R2  | 2974   | F  | RunNo: 2   | 2974   |   |  |                                      |      |
| Prep Date:  | Analysis I   | Date: 1  | 2/5/2014   | 5  | SeqNo: 6   | 78542  | Units: <b>mg/l</b>  | Kg   |                                      |      |
| Analyte   | Result   | PQL  | SPK value  | SPK Ref Val  | %REC   | LowLimit   | HighLimit   | %RPD   | RPDLimit                             | Qual |
| Gasoline Range Organics (GRO  | D) ND  | 5.0  |  |  |  |  |   |  |                                      |      |
| Sun: BFB  | 880  |  | 1000   |  | 87.5   | 80   | 120   |  |                                      |      |
| Sample ID 2.5UG GRO   | LCS Samp   | Type: LC   | s  | Tes  | tCode: E   | PA Method  | 8015D: Gas  | oline Rang   | e                                    |      |
| Client ID: LCSS   | Bato   | h ID: <b>R2</b>  | 2974   | F  | RunNo: 2   | 2974   |   |  |                                      |      |
| Prep Date:  | Analysis I   | Date: 12   | 2/5/2014   | 5  | SeqNo: 6   | 78543  | Units: <b>mg/I</b>  | Kg   |                                      |      |
| Analyte   | Result   | PQL  | SPK value  | SPK Ref Val  | %REC   | LowLimit   | HighLimit   | %RPD   | RPDLimit                             | Qual |
| Gasoline Range Organics (GRC  | D) 24  | 5.0  | 25.00  | 0  | 95.2   | 65.8   | 139   |  |                                      |      |
| Sum DED   | 1000   |  | 1000   |  | 99.6   | 80   | 120   |  |                                      |      |
|   | ·····-   |  |  |  |  |  |   |  |                                      |      |
| Sample ID 1412279-001   | AMS Samp   | Туре: М  | s  | Tes  | tCode: E   | PA Method  | 8015D: Gas  | oline Rang   | e                                    |      |
| Sample ID 1412279-001<br>Client ID: E Wall 6'   | AMS Samp<br>Batc   | Type: M\$  | 5<br>2974  | Tes  | tCode: El<br>RunNo: 2  | PA Method<br>2974  | 8015D: Gas  | oline Rang   | e                                    |      |
| Sample ID 1412279-001<br>Client ID: E Wall 6'<br>Prep Date:   | AMS Samp<br>Batc<br>Analysis I   | Type: <b>M</b><br>h ID: <b>R2</b><br>Date: <b>1</b> 2  | S<br>2974<br>2/5/2014  | Tes<br>F   | tCode: El<br>RunNo: 2<br>SeqNo: 6  | PA Method<br>2974<br>78545   | 8015D: Gas<br>Units: mg/l   | oline Rang   | e                                    |      |
| Sample ID 1412279-001<br>Client ID: E Wall 6'<br>Prep Date:<br>Analyte  | AMS Samp<br>Batc<br>Analysis I<br>Result   | Type: <b>M</b><br>h ID: <b>R2</b><br>Date: <b>1</b><br>PQL   | 5<br>2974<br>2/5/2014<br>SPK value   | Tes<br>F<br>S<br>SPK Ref Val                                 | tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC  | PA Method<br>2974<br>78545<br>LowLimit   | 8015D: Gase<br>Units: mg/l<br>HighLimit   | oline Rang<br>Kg<br>%RPD                                     | e<br>RPDLimit                        | Qual |
| Sample ID 1412279-001<br>Client ID: E Wall 6'<br>Prep Date:<br>Analyte<br>Gasoline Range Organics (GRC  | AMS Samp<br>Batc<br>Analysis I<br><u>Result</u>  | Type: MS<br>th ID: R2<br>Date: 12<br>PQL<br>3.6  | 5<br>2974<br>2/5/2014<br>SPK value<br>18.03  | Tes<br>F<br>S<br>SPK Ref Val<br>0                            | tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>92.0  | PA Method<br>2974<br>78545<br>LowLimit<br>71.8   | 8015D: Gase<br>Units: mg/l<br>HighLimit<br>132  | oline Rang<br>Kg<br>%RPD                                     | e<br>RPDLimit                        | Qual |
| Sample ID 1412279-001<br>Client ID: E Wall 6'<br>Prep Date:<br>Analyte<br>Gasoline Range Organics (GRC<br>Surr: BFB   | AMS Samp<br>Batc<br>Analysis I<br>Result<br>0) 17<br>710   | Type: MS<br>th ID: R2<br>Date: 12<br>PQL<br>3.6  | S<br>22974<br>2/5/2014<br>SPK value<br>18.03<br>721.0  | Tes<br>F<br>S<br>SPK Ref Val<br>0                            | tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>92.0<br>98.8  | PA Method<br>2974<br>78545<br>LowLimit<br>71.8<br>80   | 8015D: Gas<br>Units: mg/l<br>HighLimit<br>132<br>120  | oline Rang<br>Kg<br>%RPD                                     | e<br>RPDLimit                        | Qual |
| Sample ID 1412279-001<br>Client ID: E Wall 6'<br>Prep Date:<br>Analyte<br>Gasoline Range Organics (GRC<br>Sur: BFB  | AMS Samp<br>Batc<br>Analysis I<br>Result<br>) 17<br>710<br>AMSD Samp   | Type: MS<br>th ID: R2<br>Date: 12<br>PQL<br>3.6<br>Type: MS  | S<br>22974<br>2/5/2014<br>SPK value<br>18.03<br>721.0<br>SD  | Tes<br>F<br>SPK Ref Val<br>0<br>Tes                          | tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>92.0<br>98.8<br>tCode: El   | PA Method<br>2974<br>78545<br>LowLimit<br>71.8<br>80<br>PA Method                                      | 8015D: Gas<br>Units: mg/l<br>HighLimit<br>132<br>120<br>8015D: Gas                                    | oline Rang<br>Kg<br>%RPD<br>oline Rang                       | e<br>RPDLimit<br>e                   | Qual |
| Sample ID 1412279-001<br>Client ID: E Wall 6'<br>Prep Date:<br>Analyte<br>Gasoline Range Organics (GRC<br>Sur: BFB<br>Sample ID 1412279-001<br>Client ID: E Wall 6'   | AMS Samp<br>Batc<br>Analysis I<br>Result<br>)) 17<br>710<br>AMSD Samp<br>Batc                                  | Type: MS<br>th ID: R2<br>Date: 12<br>3.6<br>Type: MS<br>th ID: R2                                  | S<br>22974<br>2/5/2014<br>SPK value<br>18.03<br>721.0<br>SD<br>2974                                    | Tes<br>F<br>SPK Ref Val<br>0<br>Tes<br>F                     | tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>92.0<br>98.8<br>tCode: El<br>RunNo: 2                             | PA Method<br>2974<br>78545<br>LowLimit<br>71.8<br>80<br>PA Method<br>2974                              | 8015D: Gas<br>Units: mg/l<br>HighLimit<br>132<br>120<br>8015D: Gas                                    | oline Rang<br>Kg<br>%RPD<br>oline Rang                       | e<br>RPDLimit<br>e                   | Qual |
| Sample ID 1412279-001<br>Client ID: E Wall 6'<br>Prep Date:<br>Analyte<br>Gasoline Range Organics (GRC<br>Surr: BFB<br>Sample ID 1412279-001<br>Client ID: E Wall 6'<br>Prep Date:  | AMS Samp<br>Batc<br>Analysis I<br>Result<br>0) 17<br>710<br>AMSD Samp<br>Batc<br>Analysis I                    | Type: MS<br>th ID: R2<br>Date: 12<br>PQL<br>3.6<br>Type: MS<br>th ID: R2<br>Date: 12               | S<br>22974<br>2/5/2014<br>SPK value<br>18.03<br>721.0<br>SD<br>22974<br>2/5/2014                       | Tes<br>F<br>SPK Ref Val<br>0<br>Tes<br>F<br>S                | tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>92.0<br>98.8<br>tCode: El<br>RunNo: 2<br>SeqNo: 6                 | PA Method<br>2974<br>78545<br>LowLimit<br>71.8<br>80<br>PA Method<br>2974<br>78546                     | 8015D: Gas<br>Units: mg/l<br>HighLimit<br>132<br>120<br>8015D: Gas<br>Units: mg/l                     | oline Rang<br>Kg<br>%RPD<br>oline Rang                       | e<br>RPDLimit<br>e                   | Qual |
| Sample ID 1412279-001<br>Client ID: E Wall 6'<br>Prep Date:<br>Analyte<br>Gasoline Range Organics (GRC<br>Surr: BFB<br>Sample ID 1412279-001<br>Client ID: E Wall 6'<br>Prep Date:<br>Analyte                                 | AMS Samp<br>Batc<br>Analysis I<br>Result<br>0) 17<br>710<br>AMSD Samp<br>Batc<br>Analysis I<br>Result          | Type: MS<br>th ID: R2<br>Date: 12<br>PQL<br>3.6<br>Type: MS<br>th ID: R2<br>Date: 12<br>PQL        | S<br>22974<br>2/5/2014<br>SPK value<br>18.03<br>721.0<br>SD<br>22974<br>2/5/2014<br>SPK value          | Tes<br>F<br>SPK Ref Val<br>0<br>Tes<br>F<br>SPK Ref Val      | tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>92.0<br>98.8<br>tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC         | PA Method<br>2974<br>78545<br>LowLimit<br>71.8<br>80<br>PA Method<br>2974<br>78546<br>LowLimit         | 8015D: Gas<br>Units: mg/l<br>HighLimit<br>132<br>120<br>8015D: Gas<br>Units: mg/l<br>HighLimit        | oline Rang<br>Kg<br>%RPD<br>oline Rang<br>Kg<br>%RPD         | e<br>RPDLimit<br>e<br>RPDLimit       | Qual |
| Sample ID 1412279-001<br>Client ID: E Wall 6'<br>Prep Date:<br>Analyte<br>Gasoline Range Organics (GRC<br>Surr: BFB<br>Sample ID 1412279-001<br>Client ID: E Wall 6'<br>Prep Date:<br>Analyte<br>Gasoline Range Organics (GRC | AMS Samp<br>Batc<br>Analysis I<br>Result<br>)) 17<br>710<br>AMSD Samp<br>Batc<br>Analysis I<br>Result<br>)) 18 | Type: MS<br>ch ID: R2<br>Date: 12<br>PQL<br>3.6<br>Type: MS<br>ch ID: R2<br>Date: 12<br>PQL<br>3.6 | S<br>22974<br>2/5/2014<br>SPK value<br>18.03<br>721.0<br>SD<br>22974<br>2/5/2014<br>SPK value<br>18.03 | Tes<br>F<br>SPK Ref Val<br>0<br>Tes<br>F<br>SPK Ref Val<br>0 | tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>92.0<br>98.8<br>tCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>98.1 | PA Method<br>2974<br>78545<br>LowLimit<br>71.8<br>80<br>PA Method<br>2974<br>78546<br>LowLimit<br>71.8 | 8015D: Gas<br>Units: mg/l<br>HighLimit<br>132<br>120<br>8015D: Gas<br>Units: mg/l<br>HighLimit<br>132 | oline Rang<br>Kg<br>%RPD<br>oline Rang<br>Kg<br>%RPD<br>6.44 | e<br>RPDLimit<br>e<br>RPDLimit<br>20 | Qual |

#### 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

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08-Dec-14

1412279

WO#:

Client: XTO Energy

Project: Ute Indians A#36

| Sample ID  | 5MI RB  | Samp  | Type Mi  | RI K  | Tee  | stCode: E  | PA Method  | 8021B. Vola   | tiles  |  |      |
|--|---|---|--|---|--|--|--|---|--|--|------|
|  | DRS   | Bate  | ны р. р.   | 2074  | Puplic: 22074  |  |  |   |  |  |      |
| Dran Data  | 100   |   |  | 15177<br>DIE1204 A  |  | Socho: C   | 23/4<br>78550  | Linite:   | 1  |  |      |
| Prep Date.   |   | Analysis L  | Jale. 1.   | 2/5/2014  |  | Seqno. o   | /0009  | Units. mg/r   | ١g   |  |      |
| 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   | <b>.</b> .  | ND  | 0.10   |   |  |  |  |   |  |  |      |
| Surr: 4-Brom   | ofluorobenzene  | 0.91  |  | 1.000   |  | 91.3   | 80   | 120   |  |  |      |
| Sample ID  | 100NG BTEX LCS  | Samp  | Type: LC   | S   | . Tes  | stCode: E  | PA Method  | 8021B: Vola   | tiles  |  |      |
| Client ID:   | LCSS  | Batc  | h ID: <b>R2</b>  | 2974  | ſ  | RunNo: 2   | 2974   |   |  |  |      |
| Prep Date:   |   | Analysis [  | Date: 12   | 2/5/2014  | ;  | SeqNo: 6   | 78560  | Units: <b>mg/k</b>  | ٢g   |  |      |
| 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   |  |  |      |
| (ylenes, Total   |   | 2.9   | 0.10   | 3.000   | 0  | 97.5   | 80   | 120   |  |  |      |
| Surr: 4-Brom   | ofluorobenzene  | 1.0   |  | 1.000   |  | 103  | 80   | 120   |  |  |      |
|  |   |   |  |   |  |  |  |   |  |  |      |
| Sample ID  | 1412279-002AMS  | <br>Samp1   | Гуре: М  | 3   | Tes  | stCode: El   | PA Method  | 8021B: Vola   | tiles  |  |      |
| Sample ID<br>Client ID:  | 1412279-002AMS<br>Surface   | Samp⊺<br>Batcl  | Гуре: <b>М</b><br>h ID: <b>R2</b>  | <br>3<br>2974   | Tes  | stCode: El<br>RunNo: 2   | PA Method<br>2974  | 8021B: Vola   | tiles  |  |      |
| Sample ID<br>Client ID:<br>Prep Date:  | 1412279-002AMS<br>Surface   | Samp<br>Batcl<br>Analysis I   | Гуре: М:<br>h ID: R2<br>Date: 1:   | 2974<br>2/5/2014  | Tes  | stCode: El<br>RunNo: 2<br>SeqNo: 6   | PA Method<br>2974<br>78563   | 8021B: Vola<br>Units: mg/F  | tiles<br>(g  |  |      |
| Sample ID<br>Client ID:<br>Prep Date:<br>Analyte   | 1412279-002AMS<br>Surface   | Samp<br>Batch<br>Analysis D<br>Result   | Fype: MS<br>h ID: R2<br>Date: 12<br>PQL  | 3<br>2974<br>2/5/2014<br>SPK value  | Tes<br>I<br>SPK Ref Val  | stCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC   | PA Method<br>2974<br>78563<br>LowLimit   | 8021B: Vola<br>Units: mg/ł<br>HighLimit   | tiles<br>(g<br>%RPD  | RPDLimit   | Qual |
| Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene  | 1412279-002AMS<br>Surface   | Samp<br>Batch<br>Analysis D<br>Result<br>3.7  | Fype: MS<br>h ID: R2<br>Date: 12<br>PQL<br>0.18  | 3<br>2974<br>2/5/2014<br>SPK value<br>3.604   | Tes<br>I<br>SPK Ref Val<br>0   | stCode: Ei<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>103  | PA Method<br>2974<br>78563<br>LowLimit<br>77.4   | 8021B: Vola<br>Units: mg/ł<br>HighLimit<br>142  | tiles<br>(g<br>%RPD  | RPDLimit   | Qual |
| Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Foluene   | 1412279-002AMS<br>Surface   | Samp<br>Batcl<br>Analysis D<br>Result<br>3.7<br>3.6   | Type: MS<br>h ID: R2<br>Date: 12<br>PQL<br>0.18<br>0.18  | 5<br>2974<br>2/5/2014<br>SPK value<br>3.604<br>3.604  | Tes<br>F<br>SPK Ref Val<br>0<br>0.03560  | StCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>103<br>100   | PA Method<br>2974<br>78563<br>LowLimit<br>77.4<br>77   | 8021B: Vola<br>Units: mg/H<br>HighLimit<br>142<br>132   | tiles<br>(g<br>%RPD  | RPDLimit   | Qual |
| Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Jenzene<br>foluene<br>thylbenzene  | 1412279-002AMS<br>Surface   | Samp<br>Batch<br>Analysis E<br>Result<br>3.7<br>3.6<br>3.9  | Type: MS<br>h ID: R2<br>Date: 12<br>PQL<br>0.18<br>0.18<br>0.18  | 5<br>2974<br>2/5/2014<br>SPK value<br>3.604<br>3.604<br>3.604   | Tes<br>F<br>SPK Ref Val<br>0<br>0.03560<br>0.1517  | stCode: Ei<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>103<br>100<br>103  | PA Method<br>2974<br>78563<br>LowLimit<br>77.4<br>77<br>77.6   | 8021B: Vola<br>Units: mg/F<br>HighLimit<br>142<br>132<br>134  | tiles<br>(g<br>%RPD  | RPDLimit   | Qual |
| Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>foluene<br>Sthylbenzene<br>(ylenes, Total   | 1412279-002AMS<br>Surface   | Samp<br>Batcl<br>Analysis I<br>Result<br>3.7<br>3.6<br>3.9<br>13  | Fype: MS<br>h ID: R2<br>Date: 12<br>0.18<br>0.18<br>0.18<br>0.18<br>0.36   | 3<br>2974<br>2/5/2014<br>SPK value<br>3.604<br>3.604<br>3.604<br>10.81  | Tes<br>SPK Ref Val<br>0<br>0.03560<br>0.1517<br>1.290  | stCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>103<br>100<br>103<br>105   | PA Method<br>2974<br>78563<br>LowLimit<br>77.4<br>77.6<br>77.6<br>77.4   | 8021B: Vola<br>Units: mg/k<br>HighLimit<br>142<br>132<br>134<br>132   | tiles<br>(g<br>%RPD  | RPDLimit   | Qual |
| Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>foluene<br>Sures, Total<br>Surr: 4-Brom   | ofluorobenzene  | Samp<br>Batcl<br>Analysis I<br>Result<br>3.7<br>3.6<br>3.9<br>13<br>3.9   | Fype: <b>M</b><br>h ID: <b>R2</b><br>Date: <b>1</b><br>0.18<br>0.18<br>0.18<br>0.36  | 5<br>2974<br>2/5/2014<br>3.604<br>3.604<br>3.604<br>10.81<br>3.604  | Tes<br>SPK Ref Val<br>0<br>0.03560<br>0.1517<br>1.290  | stCode: El<br>RunNo: 2<br>SeqNo: 6<br><u>%REC</u><br>103<br>100<br>103<br>105<br>109   | PA Method<br>2974<br>78563<br>LowLimit<br>77.4<br>77.6<br>77.6<br>77.4<br>80   | 8021B: Vola<br>Units: mg/l<br>HighLimit<br>142<br>132<br>134<br>132<br>120  | tiles<br>(g<br>%RPD  | RPDLimit   | Qual |
| Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Toluene<br>Ethylbenzene<br>Kylenes, Total<br>Surr: 4-Brom<br>Sample ID  | ofluorobenzene  | Samp<br>Batcl<br>Analysis I<br>Result<br>3.7<br>3.6<br>3.9<br>13<br>3.9<br>Samp   | Fype: MS<br>h ID: R2<br>Date: 12<br>0.18<br>0.18<br>0.18<br>0.36<br>Fype: MS   | 2974<br>2/5/2014<br>3.604<br>3.604<br>3.604<br>10.81<br>3.604<br>3.604  | Tes<br>SPK Ref Val<br>0<br>0.03560<br>0.1517<br>1.290<br>Tes   | stCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>103<br>100<br>103<br>105<br>109  | PA Method<br>2974<br>78563<br>LowLimit<br>77.4<br>77.6<br>77.6<br>77.4<br>80<br>PA Method  | 8021B: Vola<br>Units: mg//<br>HighLimit<br>142<br>132<br>134<br>132<br>120<br>8021B: Vola   | tiles<br>(g<br>%RPD  | RPDLimit   | Qual |
| Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Foluene<br>Ethylbenzene<br>Kylenes, Total<br>Surr: 4-Brom<br>Sample ID<br>Client ID:  | 1412279-002AMS<br>Surface<br>ofluorobenzene<br>1412279-002AMSD<br>Surface | Samp<br>Batcl<br>Analysis I<br>Result<br>3.7<br>3.6<br>3.9<br>13<br>3.9<br>SampT<br>Batcl   | Fype: MS<br>h ID: R2<br>Date: 12<br>0.18<br>0.18<br>0.18<br>0.36<br>Fype: MS<br>h ID: R2   | 2974<br>2/5/2014<br>SPK value<br>3.604<br>3.604<br>3.604<br>10.81<br>3.604<br>SD<br>2974  | Tes<br>SPK Ref Val<br>0<br>0.03560<br>0.1517<br>1.290<br>Tes   | stCode: Ei<br>RunNo: 2<br>SeqNo: 6<br><u>%REC</u><br>103<br>100<br>103<br>105<br>109<br>stCode: Ei<br>RunNo: 2   | PA Method<br>2974<br>78563<br>LowLimit<br>77.4<br>77.6<br>77.6<br>77.4<br>80<br>PA Method<br>2974  | 8021B: Vola<br>Units: mg/l<br>HighLimit<br>142<br>132<br>134<br>132<br>120<br>8021B: Vola   | tiles<br>(g<br>%RPD<br>tiles   | RPDLimit   | Qual |
| Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>foluene<br>Sthylbenzene<br>(ylenes, Total<br>Surr: 4-Brom<br>Sample ID<br>Client ID:<br>Prep Date:  | 1412279-002AMS<br>Surface<br>ofluorobenzene<br>1412279-002AMSD<br>Surface | Samp<br>Batcl<br>Analysis I<br>Result<br>3.7<br>3.6<br>3.9<br>13<br>3.9<br>Samp<br>Batcl<br>Analysis I  | Fype: MS<br>h ID: R2<br>Date: 12<br>0.18<br>0.18<br>0.18<br>0.18<br>0.36<br>Fype: MS<br>h ID: R2<br>Date: 12   | 3<br>2974<br>2/5/2014<br>3.604<br>3.604<br>3.604<br>3.604<br>10.81<br>3.604<br>3.604<br>2974<br>2974  | Tes<br>SPK Ref Val<br>0<br>0.03560<br>0.1517<br>1.290<br>Tes<br>F  | stCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>103<br>100<br>103<br>105<br>109<br>stCode: El<br>RunNo: 2<br>SeqNo: 6  | PA Method<br>2974<br>78563<br>LowLimit<br>77.4<br>77.6<br>77.6<br>77.4<br>80<br>PA Method<br>2974<br>78564                                     | 8021B: Vola<br>Units: mg//<br>HighLimit<br>142<br>132<br>134<br>132<br>120<br>8021B: Vola<br>Units: mg//  | tiles<br>(g<br>%RPD<br>tiles   | RPDLimit   | Qual |
| Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Senzene<br>foluene<br>sthylbenzene<br>sthylbenzene<br>sthylbenzene<br>surr: 4-Brom<br>Sample ID<br>Client ID:<br>Prep Date:<br>Analyte   | 1412279-002AMS<br>Surface<br>ofluorobenzene<br>1412279-002AMSD<br>Surface | Samp<br>Batcl<br>Analysis D<br>Result<br>3.7<br>3.6<br>3.9<br>13<br>3.9<br>Samp<br>Batcl<br>Analysis D<br>Result                              | Fype: M:<br>h ID: R2<br>Date: 12<br>0.18<br>0.18<br>0.18<br>0.36<br>Fype: MS<br>h ID: R2<br>Date: 12<br>PQL  | 3<br>2974<br>2/5/2014<br>3.604<br>3.604<br>3.604<br>10.81<br>3.604<br>2974<br>2/5/2014<br>SPK value   | Tes<br>SPK Ref Val<br>0<br>0.03560<br>0.1517<br>1.290<br>Tes<br>F<br>SPK Ref Val                               | stCode: Ei<br>RunNo: 2<br>SeqNo: 6<br><u>%REC</u><br>103<br>100<br>103<br>105<br>109<br>stCode: Ei<br>RunNo: 2<br>SeqNo: 6<br>%REC                         | PA Method<br>2974<br>78563<br>LowLimit<br>77.4<br>77.6<br>77.6<br>77.4<br>80<br>PA Method<br>2974<br>78564<br>LowLimit                         | 8021B: Vola<br>Units: mg/F<br>HighLimit<br>142<br>132<br>134<br>132<br>120<br>8021B: Vola<br>Units: mg/F<br>HighLimit                             | tiles<br>(g<br>%RPD<br>tiles<br>(g<br>%RPD                                 | RPDLimit   | Qual |
| Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>foluene<br>thylbenzene<br>(ylenes, Total<br>Surr: 4-Brom<br>Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Ienzene   | 1412279-002AMS<br>Surface<br>ofluorobenzene<br>1412279-002AMSD<br>Surface | Samp<br>Batcl<br>Analysis D<br>Result<br>3.7<br>3.6<br>3.9<br>13<br>3.9<br>Samp<br>Batcl<br>Analysis D<br>Result<br>3.6                       | Fype: MS<br>h ID: R2<br>Date: 12<br>0.18<br>0.18<br>0.18<br>0.18<br>0.36<br>Fype: MS<br>h ID: R2<br>Date: 12<br>Date: 12<br>0.18                                   | 2974<br>2/5/2014<br>SPK value<br>3.604<br>3.604<br>3.604<br>10.81<br>3.604<br>2974<br>2/5/2014<br>SPK value<br>3.604  | Tes<br>SPK Ref Val<br>0<br>0.03560<br>0.1517<br>1.290<br>Tes<br>SPK Ref Val<br>0                               | stCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>103<br>100<br>103<br>105<br>109<br>stCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>99.4                        | PA Method<br>2974<br>78563<br>LowLimit<br>77.4<br>77.6<br>77.6<br>77.4<br>80<br>PA Method<br>2974<br>78564<br>LowLimit<br>77.4                 | 8021B: Vola<br>Units: mg/F<br>HighLimit<br>142<br>132<br>134<br>132<br>120<br>8021B: Vola<br>Units: mg/F<br>HighLimit<br>142                      | tiles<br>(g<br>%RPD<br>tiles<br>(g<br>%RPD<br>3.57                         | RPDLimit<br>RPDLimit<br>20                         | Qual |
| Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>foluene<br>Sthylbenzene<br>Sylenes, Total<br>Surr: 4-Brom<br>Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Jenzene<br>foluene                                 | 1412279-002AMS<br>Surface<br>ofluorobenzene<br>1412279-002AMSD<br>Surface | Samp<br>Batcl<br>Analysis I<br>Result<br>3.7<br>3.6<br>3.9<br>13<br>3.9<br>5<br>Samp<br>Batcl<br>Analysis I<br>Result<br>3.6<br>3.6           | Fype: MS<br>h ID: R2<br>Date: 12<br>0.18<br>0.18<br>0.18<br>0.18<br>0.36<br>Fype: MS<br>h ID: R2<br>Date: 12<br>PQL<br>0.18<br>0.18<br>0.18                        | 2974<br>2/5/2014<br>SPK value<br>3.604<br>3.604<br>3.604<br>10.81<br>3.604<br>2974<br>2/5/2014<br>SPK value<br>3.604<br>3.604<br>3.604                        | Tes<br>SPK Ref Val<br>0<br>0.03560<br>0.1517<br>1.290<br>Tes<br>SPK Ref Val<br>0<br>0.03560                    | stCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>103<br>100<br>103<br>105<br>109<br>stCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>99.4<br>97.7                | PA Method<br>2974<br>78563<br>LowLimit<br>77.4<br>77.6<br>77.6<br>77.4<br>80<br>PA Method<br>2974<br>78564<br>LowLimit<br>77.4<br>77.4<br>77.4 | 8021B: Vola<br>Units: mg/F<br>HighLimit<br>142<br>132<br>134<br>132<br>120<br>8021B: Vola<br>Units: mg/F<br>HighLimit<br>142<br>132               | tiles<br>(g<br>%RPD<br>tiles<br>(g<br>%RPD<br>3.57<br>2.47                 | RPDLimit<br>RPDLimit<br>20<br>20                   | Qual |
| Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Foluene<br>Ethylbenzene<br>Kylenes, Total<br>Surr: 4-Brom<br>Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>Foluene<br>Ethylbenzene                 | 1412279-002AMS<br>Surface<br>ofluorobenzene<br>1412279-002AMSD<br>Surface | Samp<br>Batcl<br>Analysis I<br>Result<br>3.7<br>3.6<br>3.9<br>13<br>3.9<br>Samp<br>Batcl<br>Analysis I<br>Result<br>3.6<br>3.6<br>3.7         | Fype: MS<br>h ID: R2<br>Date: 12<br>PQL<br>0.18<br>0.18<br>0.18<br>0.36<br>Fype: MS<br>h ID: R2<br>Date: 12<br>PQL<br>0.18<br>0.18<br>0.18<br>0.18                 | S<br>2974<br>2/5/2014<br>SPK value<br>3.604<br>3.604<br>3.604<br>10.81<br>3.604<br>2974<br>2/5/2014<br>SPK value<br>3.604<br>3.604<br>3.604<br>3.604          | Tes<br>SPK Ref Val<br>0<br>0.03560<br>0.1517<br>1.290<br>Tes<br>SPK Ref Val<br>0<br>0.03560<br>0.1517          | stCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>103<br>100<br>103<br>105<br>109<br>stCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>99.4<br>97.7<br>99.6        | PA Method<br>2974<br>78563<br>LowLimit<br>77.4<br>77.6<br>77.6<br>77.4<br>80<br>PA Method<br>2974<br>78564<br>LowLimit<br>77.4<br>77.6         | 8021B: Vola<br>Units: mg/f<br>HighLimit<br>142<br>132<br>134<br>132<br>120<br>8021B: Vola<br>Units: mg/f<br>HighLimit<br>142<br>132<br>134        | tiles<br>(g<br>%RPD<br>tiles<br>(g<br>%RPD<br>3.57<br>2.47<br>2.84         | RPDLimit<br>RPDLimit<br>20<br>20<br>20             | Qual |
| Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>foluene<br>thylbenzene<br>(ylenes, Total<br>Surr: 4-Brom<br>Sample ID<br>Client ID:<br>Prep Date:<br>Analyte<br>Benzene<br>foluene<br>thylbenzene<br>(ylenes, Total | 1412279-002AMS<br>Surface<br>ofluorobenzene<br>1412279-002AMSD<br>Surface | Samp<br>Batcl<br>Analysis I<br>Result<br>3.7<br>3.6<br>3.9<br>13<br>3.9<br>0 Samp<br>Batcl<br>Analysis I<br>Result<br>3.6<br>3.6<br>3.7<br>12 | Fype: MS<br>h ID: R2<br>Date: 12<br>PQL<br>0.18<br>0.18<br>0.18<br>0.36<br>Fype: MS<br>h ID: R2<br>Date: 12<br>PQL<br>0.18<br>0.18<br>0.18<br>0.18<br>0.18<br>0.18 | S<br>2974<br>2/5/2014<br>SPK value<br>3.604<br>3.604<br>3.604<br>10.81<br>3.604<br>2974<br>2/5/2014<br>SPK value<br>3.604<br>3.604<br>3.604<br>3.604<br>10.81 | Tes<br>SPK Ref Val<br>0<br>0.03560<br>0.1517<br>1.290<br>Tes<br>SPK Ref Val<br>0<br>0.03560<br>0.1517<br>1.290 | stCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>103<br>100<br>103<br>105<br>109<br>stCode: El<br>RunNo: 2<br>SeqNo: 6<br>%REC<br>99.4<br>97.7<br>99.6<br>102 | PA Method<br>2974<br>78563<br>LowLimit<br>77.4<br>77.6<br>77.4<br>80<br>PA Method<br>2974<br>78564<br>LowLimit<br>77.4<br>77.6<br>77.6<br>77.4 | 8021B: Vola<br>Units: mg/F<br>HighLimit<br>142<br>132<br>134<br>132<br>120<br>8021B: Vola<br>Units: mg/F<br>HighLimit<br>142<br>132<br>134<br>132 | tiles<br>(g<br>%RPD<br>tiles<br>(g<br>%RPD<br>3.57<br>2.47<br>2.84<br>2.21 | RPDLimit<br>RPDLimit<br>20<br>20<br>20<br>20<br>20 | Qual |

#### 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

WO#: 1412279

08-Dec-14

Page 5 of 5

| HALL Hall Environm<br>ENVIRONMENTAL<br>ANALYSIS<br>LABORATORY TEL: 505-345-<br>Website: ww | ental Analysis Laborat<br>4901 Hawkins<br>Albuquerque, NM 87<br>3975 FAX: 505-345-4<br>vw.hallenvironmental. | tory<br>NE<br>109 <b>Sam</b><br>107<br>com | ple Log-In Check Li        | st         |
|--|--|--|----------------------------|------------|
| Client Name: XTO Energy Work Order Nur   | nber: 1412279  |  | RcptNo: 1                  |            |
| Received by/date: LM 12/05/11  |  |  |                            |            |
| Logged By: Anne Thorne 12/5/2014 7:45:00   | AM   | Anne Hann                                  | -                          |            |
| Completed By: Anne Thorne 12/5/2014  |  | arne Han                                   | -                          |            |
| Reviewed By: 12/05/14  |  |  |                            |            |
| Chain of Custody   | c  |  |                            |            |
| 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) property preserved?                                    | Yes 🗹  | No 🗖                                       |                            |            |
| 9. Was preservative added to bottles?  | Yes 🗌  | No 🗹                                       | NA 🗔                       |            |
| 10.VOA viais have zero headspace?  | Yes 🗔  | No 🗀                                       | No VOA Vials 🗹             |            |
| 11. Were any sample containers received broken?  | Yes 🗆  | No 🗹                                       | the feature of a second    |            |
| 12. Does paperwork match bottle labels?  | Yes 🗹  | No 🗖                                       | bottles checked<br>for pH: | <b>4 D</b> |
| (Note discrepancies on chain of custody)   | Ver 🖌  | No 🗖                                       | Adjusted?                  | noted)     |
| 14 Is it clear what analyses were requested?   | Yes V  | No 🗆                                       |                            |            |
| 15. Were all holding times able to be met?<br>(If no, notify customer for authorization.)  | Yes 🗹  | No 🗆                                       | Checked by:                |            |
|  |  |  |                            |            |

### Special Handling (If applicable)

| 16. Was client notified of all o | discrepancies with this order? | Yes 🗌            | No 🗆           | NA 🗹  |
|----------------------------------|--------------------------------|------------------|----------------|---|
| Person Notified:                 |                                | Date             |                |   |
| By Whom:                         |                                | Via: 🗌 eMail 🔲 F | hone 🗌 Fax 🔲 I | n Person  |
| Regarding:                       |                                |                  |                |   |
| Client Instructions:             |                                |                  |                | and the second secon |

### 17. Additional remarks:

| 18. | Cooler Inform | nation  |           |             |         |           |           |
|-----|---------------|---------|-----------|-------------|---------|-----------|-----------|
|     | Cooler No     | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|     | 1             | 2.7     | Good      | Yes         |         |           |           |

| SAME DAV                           | Kustt                                  |                                 |           |                                     |                        |             |                               |           |      |          |          |                 |                               |
|------------------------------------|--|---------------------------------|-----------|-------------------------------------|------------------------|-------------|-------------------------------|-----------|------|----------|----------|-----------------|-------------------------------|
|                                    | Ŷ Qu                                   | Quote Number                    |           | Page of                             |                        |             |                               |           | And  |          |          | Lab Information |                               |
|                                    |  | XTO Contact                     |           | XTO Contact Phone #<br>505-486-9543 |                        |             |                               |           |      |          |          |                 |                               |
| ZENERGY                            |  |                                 | Emai      | Results 1                           | to:                    |             |                               |           |      |          |          |                 | Office Abbreviations          |
| Western Division                   |  | 34                              | MES.      | Kue                                 | T. Lo                  | GAN         |                               |           |      |          |          |                 | Farmington = FAR              |
| Well Site/Location                 | A                                      | l Number                        |           | BAT                                 | ∩ Test                 | Reason      | 21                            |           |      |          |          |                 | Durango = DUR<br>Babban = BAV |
| LITE INDIANS AT Sk                 | <u>5 30-04</u><br>Sar                  | nples on Ice                    | <u> </u>  | DUGI                                | <u>CLOS II</u><br>Turi | <u>R5 T</u> | <u>;</u>                      | -         |      |          |          |                 | Raton = RAT                   |
| KURT                               |  |                                 |           | St                                  | andard                 |             | >                             | 5         | 5    |          |          |                 | Piceance = PC                 |
| Company                            | QA/Q                                   | C Requeste                      | d         | <u> </u>                            | ext Day                | SAME        | DAY                           | Į į       | 2    |          | Í        |                 | Roosevelt = RSV               |
| Signature                          | <u></u>                                | N                               |           | Th                                  | vo Day<br>Iree Day     | r.          | (                             | 100       |      |          |          |                 | Orangeville = OV              |
| K. f. H. bitu                      |  |                                 |           | Std<br>Date Ne                      | . 5 Bus. I<br>eded     | Days (by    | contract)                     | E         | Ω,   |          |          |                 |                               |
| Amplant                            |  | and million of the state of the |           |                                     |                        |             | No. of                        | 41        | 3    |          |          |                 |                               |
| Sample ID                          | Sample Name                            | Media                           | Date      | Time                                | Prese                  | rvative     | Conts.                        | _         |      |          |          |                 |                               |
| FARKH - 120414 - 1000              | E. WALL 6'                             | 5                               | 12.4      | 10:00                               | 60                     | 145         | 1                             | <u> x</u> | X    |          |          | ┼┈╄╴            |                               |
| FARKH-120414-1005                  | SURFACE                                | 5                               | 12-4      | 10.05                               | ON                     | ICE_        | <u> </u>                      | X         | X    |          |          | ┼╼╌┠            |                               |
|                                    | <u> </u>                               |                                 | <u> </u>  |                                     | <b> </b>               |             |                               |           |      |          |          | +               |                               |
|                                    |  |                                 | <u> </u>  |                                     | <u> </u>               |             | <u> </u>                      |           |      | <u> </u> | _        | ┼─┼─            |                               |
|                                    | ······································ |                                 | +         |                                     |                        |             |                               | +         | -    |          | _        |                 |                               |
|                                    |  |                                 |           |                                     | 1                      |             | <u> </u>                      |           | '    |          |          |                 |                               |
|                                    | · · · · · · · · · · · · · · · · · · ·  |                                 |           |                                     | 1                      |             |                               |           |      |          | -        | +-+             |                               |
|                                    |  |                                 |           | 1                                   |                        |             |                               |           |      |          |          | 1-1-            |                               |
|                                    |  |                                 |           |                                     |                        |             |                               |           |      |          |          |                 |                               |
|                                    | · · · · · · · · · · · · · · · · · · ·  |                                 |           |                                     |                        |             |                               |           |      |          |          |                 |                               |
|                                    |  |                                 |           | <u> </u>                            | L                      |             |                               |           |      |          |          |                 |                               |
|                                    |  |                                 | <u> </u>  |                                     | 1                      | · · · ·     |                               |           |      |          |          |                 |                               |
| Media: Filter p F Sall = S Wastewa | ater = WW Groundwa                     | iter = GW D                     | rinking ( | Vaster = D                          | W Slud                 | ge = SG S   | urface Wa                     | ter = SV  | V Ál | A I      | Drill Mu | d = DM C        | ither = OT                    |
| Relinguished By: (Signisture)      | <br>ک                                  | Date:<br>/2-4-                  | 14        | Time:<br>/Z: <u>30</u>              | Rocqive                | d By: (Sig  | m <mark>atu</mark> re)<br>Wal | <u>b</u>  | _    |          |          |                 | Bottle: Jample Condition      |
| Refinquished By: (Signature)       |  | Date:                           | id –      | Time:                               | Receive                | d By Sig    | nature)                       | 105       |      | nie      |          |                 |                               |
| Relinquished By: (Signature)       | utin                                   | Date:                           | <u> </u>  | Time:                               | Recent                 |             |                               | diure)    | 5    |          |          |                 |                               |
| Comments                           |  |                                 |           |                                     |                        |             |                               |           |      |          |          |                 |                               |
|                                    | Der D                                  |                                 | ٦         |                                     |                        |             | P                             |           |      |          |          |                 |                               |
| L_IHESE JAMPHES                    | D WERE K                               | FBAREZ                          | FD -      | Dy X                                | YAN                    | JOYN        | HER D                         | -M        |      |          |          |                 |                               |

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

0120

#### Hoekstra, Kurt

| From:       | Joyner, Ryan <rjoyner@blm.gov></rjoyner@blm.gov> |
|-------------|--|
| Sent:       | Monday, December 08, 2014 8:49 AM                |
| То:         | 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 <<u>Kurt\_Hoekstra@xtoenergy.com</u>> 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

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