

Incident ID	nAPP2218631423
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>&gt; 102</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

### **Characterization Report Checklist:** *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico  
Oil Conservation Division

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

Printed Name: Katherine Purvis Title: EHS Coordinator

Signature: Katherine Purvis Date: 09/18/2023

email: katherine.purvis@spurenergy.com Telephone: (575) 441-8619

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Katherine Purvis Title: EHS Coordinator

Signature: Katherine Purvis Date: 09/18/2023

email: katherine.purvis@spurenergy.com Telephone: (575) 441-8619

### OCD Only

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Scott Rodgers Date: 01/30/2024

Printed Name: Scott Rodgers Title: Environmental Specialist Adv.

## Remediation Summary and Soil Closure Request

### Spur Energy Partners, LLC Riser 70 Pipe 03

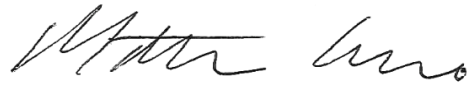
Eddy County, New Mexico  
Unit Letter A, Section 20, Township 17 South, Range 31 East  
Latitude 32.825018 North, Longitude 103.884258 West  
NMOCD Reference No. nAPP2218631423

Prepared By:

**Etech Environmental & Safety Solutions, Inc.**  
2617 W. Marland  
Hobbs, New Mexico 88240



Zach Conder



Matthew Grieco



Midland • San Antonio • Lubbock • Hobbs • Lafayette



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## 1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Spur Energy Partners, LLC, has prepared this *Remediation Summary and Soil Closure Request* for the release site known as the Riser 70 Pipe 03 (henceforth, "Site"). Details of the release are summarized below:

### Location of Release Source

Latitude: 32.825018 Longitude: -103.884258

Provided GPS are in WGS84 format.

Site Name:	Riser 70 Pipe 03	Site Type:	Pipeline
Date Release Discovered:	7/3/2022	API # (if applicable):	N/A

Unit Letter	Section	Township	Range	County
A	20	17S	31E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name \_\_\_\_\_)

### Nature and Volume of Release

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 49	Volume Recovered (bbls) 25
	Is the concentration of total dissolved solids (TDS) in the produced water > 10,000 mg/L?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released	Volume/Weight Recovered

Cause of Release:  
Corrosion in injection line.

### Initial Response

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

Previously submitted portions of the NMOCD Form C-141 are available on the NMOCD Imaging System.

## 2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Depth to groundwater information is provided as Appendix A.

What is the shallowest depth to groundwater beneath the area affected by the release?	<b>&gt;102 Feet</b>	
Did the release impact groundwater or surface water?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of any occupied permanent residence, school, hospital, institution or church?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within the incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production or storage site?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted on Figures 1, 2, 4, and 5.

## 3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure Criteria and NMOCD Reclamation Standard for the Site are as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria**†	Reclamation Standard**‡
>102 Feet	Chloride (Cl <sup>-</sup> )	EPA 300.0 or SM4500 Cl B	20,000	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	2,500	100
	Gas Range Organics + Diesel Range Organics (GRO + DRO)	EPA SW-846 Method 8015M	1,000	-
	Benzene	EPA SW-846 Methods 8021b or 8260b	10	10
	Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA SW-846 Methods 8021b or 8260b	50	50

\* Measured in milligrams per kilogram (mg/kg)

† Table I, Section 19.15.29.12 of the New Mexico Administrative Code (NMAC).

‡ The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas. Section 19.15.29.13 D.(1) NMAC.

## 4.0 REMEDIATION ACTIVITIES SUMMARY

On July 14, 2023, remediation activities commenced at the Site. In accordance with NMOCD regulations, impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards was excavated and stockpiled on-site, pending transfer to an NMOCD-approved surface waste facility for disposal. The floor and sidewalls of the excavation were advanced until field observations and test results suggested that BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria and/or NMOCD Reclamation Standards.

On July 19, 2023, Etech collected 78 confirmation soil samples (FL 1 @ 4' through FL 72 @ 1', EW 1, EW 2, NW 1, NW 2, WW 1, and WW 2) from the floor and sidewalls of the excavated area. The collected soil samples were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples, with the exceptions of soil samples FL 71 @ 1' and FL 72 @ 1', which exhibited chloride concentrations of 6,530 mg/kg and 6,400 mg/kg, respectively.

On July 25, 2023, impacted soil in the area characterized by sample points FL 71 @ 1' and FL 72 @ 1' was excavated and transported to an NMOCD-approved surface waste facility for disposal. Upon excavating the impacted soil, Etech collected two (2) additional confirmation soil samples (FL 71A @ 4FT and FL 72A @ 4FT) from the floor of the excavated area and submitted them to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria and/or the NMOCD Reclamation Standards in each of the submitted soil samples.

In addition, Etech collected an additional eight (8) confirmation soil samples (FL 73 @ 4FT through FL 79 @ 4FT and EW #3) from the floor and sidewalls of the excavated area. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples.

On July 26, 2023, Etech collected fifteen (15) confirmation soil samples (FL 80 @ 4FT through FL 91 @ 4FT, NW #5, SW #1, and WW #3) from the floor and sidewalls of the excavated area. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples.

On July 27, 2023, Etech collected 23 confirmation soil samples (FL 92 @ 4FT, through FL 107 @ 4FT, NW #3, NW #4, SW #2 through SW #5, and WW #4) from the floor and sidewalls of the excavated area. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples.

On July 28, 2023, Etech collected ten (10) confirmation soil samples (FL #108 @ 4FT through FL #113 @ 4FT, NW #6, NW #7, SW #6, and SW #7) from the floor and sidewalls of the excavated area. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples.

On July 31, 2023, Etech collected thirty (30) confirmation soil samples (FL #114 @ 4FT through FL #131 @ 4FT, NW #8, through NW #13, and SW #8 through SW #13) from the floor and sidewalls of the excavated area. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples.

On August 1, 2023, Etech collected 32 confirmation soil samples (FL #132 @ 4FT through FL #149 @ 4FT, NW #14 through NW #20, and SW #14 through SW #20) from the floor and sidewalls of the excavated area. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples.

On August 2, 2023, Etech collected twenty (20) confirmation soil samples (FL #150 @ 4 FT through FL #158 @ 4 FT, NW #21, through NW 25, SW #21 through SW #25, and WW #5) from the floor and sidewalls of the excavated area. The collected soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the NMOCD Closure Criteria and/or NMOCD Reclamation Standards in each of the submitted soil samples.

A site and sample location map is provided as Figure 3. Concentrations of BTEX, TPH, and chloride in soil are provided in Table 1. Field data is provided as Appendix B. Laboratory analytical reports are provided as Appendix C. A photographic log of remediation activities is provided as Appendix D.

The final dimensions of the excavated area were approximately 1,600 feet in length, five (5) to 170 feet in width, and one (1) to four (4) feet in depth. During the course of remediation activities, approximately 4,540 cubic yards of impacted soil was transported to an NMOCD-approved surface waste facility for disposal.

## **5.0 RESTORATION, RECLAMATION, AND RE-VEGETATION PLAN**

Upon receiving laboratory analytical results from confirmation soil samples, excavated areas were backfilled with 4,540 cubic yards of locally sourced, non-impacted "like" material placed at or near original relative positions. The affected area was compacted and contoured to achieve erosion control, stability, and preservation of surface water flow, to the extent practicable. Affected areas not on production pads and/or lease roads will be reseeded with an agency and/or landowner-approved seed mixture free of noxious weeds during the first favorable growing season following closure of the site.

## **6.0 SOIL CLOSURE REQUEST**

Remediation activities were conducted in accordance with applicable NMOCD regulations. Impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards was excavated and transported to an NMOCD-approved disposal facility. Laboratory analytical results from confirmation soil samples indicate that concentrations of BTEX, TPH, and chloride are below the NMOCD Closure Criteria and/or NMOCD Reclamation Standards.

Based on laboratory analytical results and field activities conducted to date, Etech recommends Spur Energy Partners, LLC, provide copies of this *Remediation Summary and Soil Closure Request* to the appropriate agencies and request closure be granted to the Riser 70 Pipe 03 site.

## 7.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *Remediation Summary and Soil Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Spur Energy Partners, LLC. Use of the information contained in this report is prohibited without the consent of Etech and/or Spur Energy Partners, LLC.

## **8.0 DISTRIBUTION**

***Spur Energy Partners, LLC***

*9655 Katy Freeway*

*Suite 500*

*Houston, TX 77024*

***New Mexico Energy, Minerals and Natural Resources Department***

*Oil Conservation Division, District 2*

*811 S. First Street*

*Artesia, NM 88210*

***United States Department of the Interior***

*Bureau of Land Management*

*620 E. Greene Street*

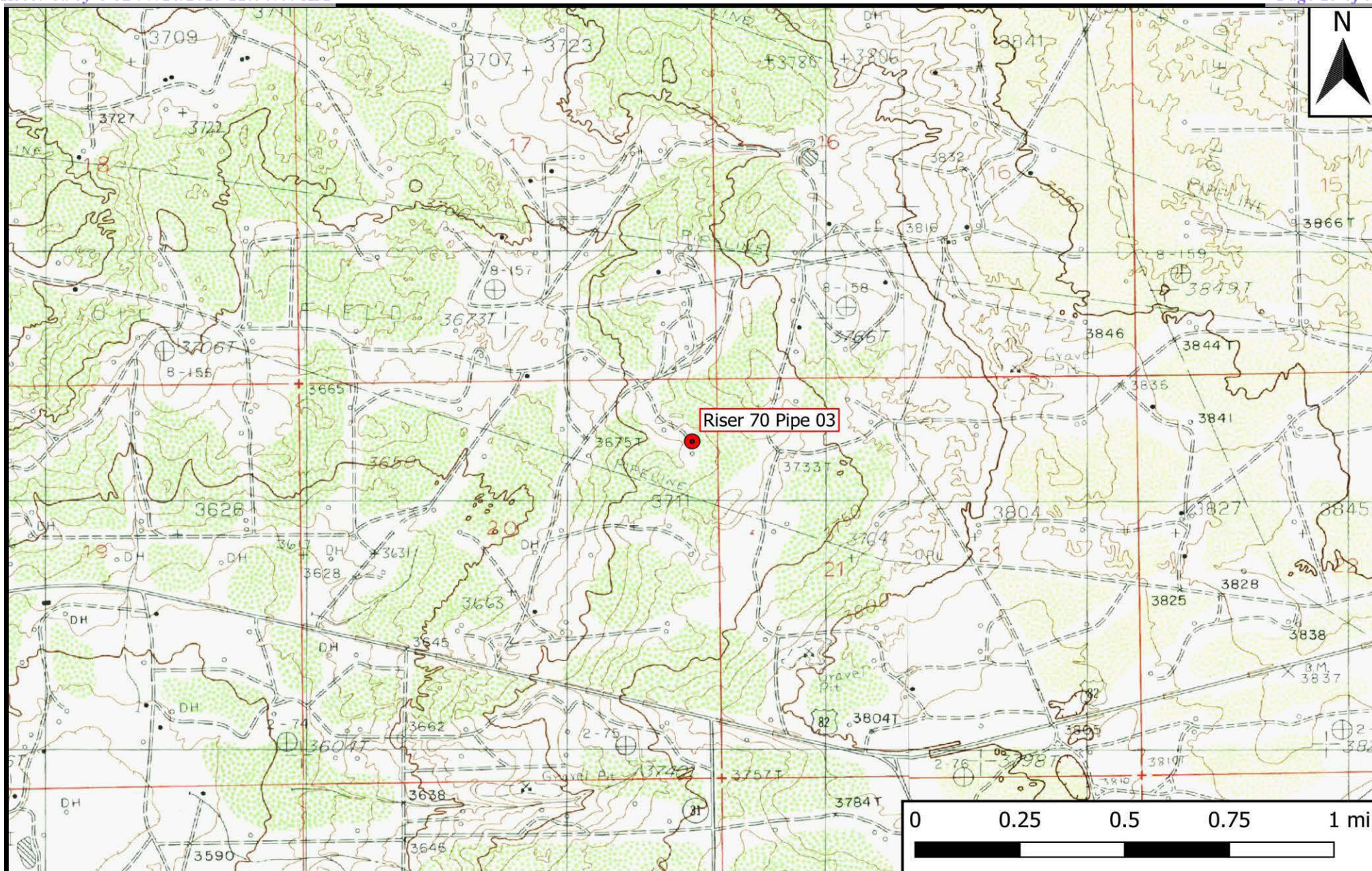
*Carlsbad, NM 88220*

*(Electronic Submission)*

## **Figure 1**

### **Topographic Map**





## Legend

- Site Location

Figure 1

Topographic Map  
 Spur Energy Partners, LLC  
 Riser 70 Pipe 03  
 GPS: 32.825018, -103.884258  
 Eddy County

**ETECH**  
 Environmental & Safety Solutions, Inc.

Drafted: mag

Checked: jwl

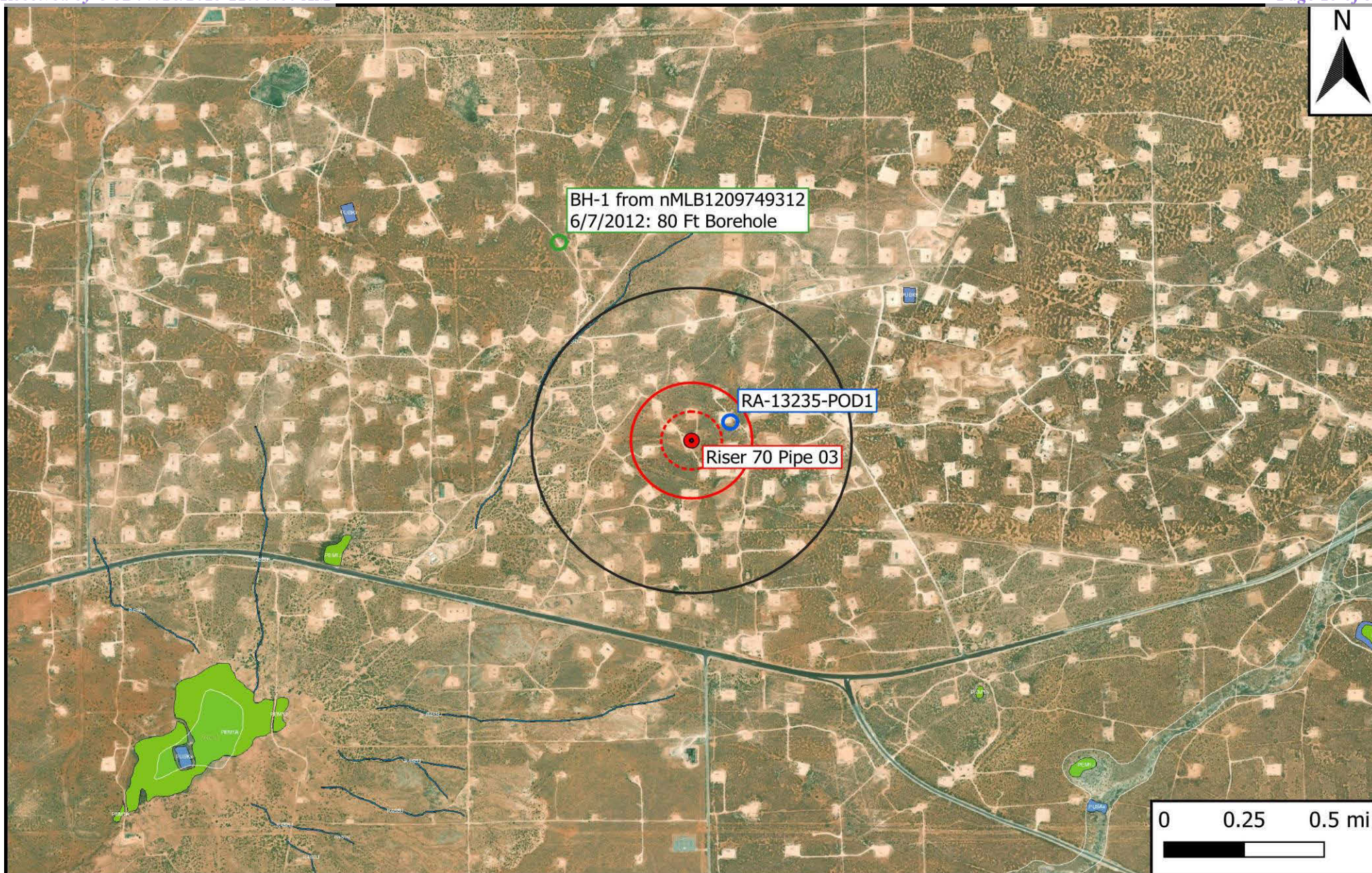
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## **Figure 2**

### **Aerial Proximity Map**





**Figure 2**  
Aerial Proximity Map  
Spur Energy Partners, LLC  
Riser 70 Pipe 03  
GPS: 32.825018, -103.884258  
Eddy County



Drafted: mag

Checked: jwl

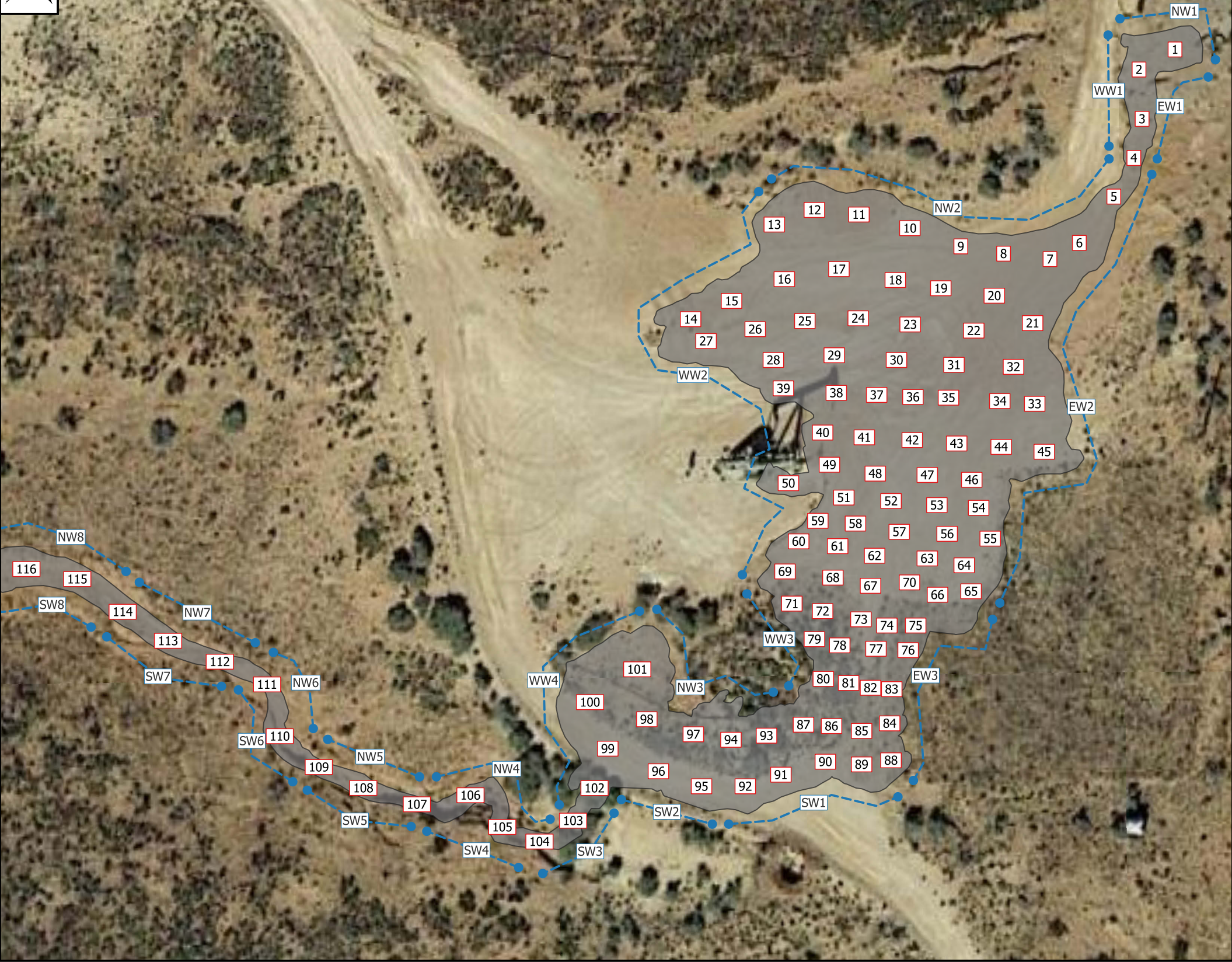
Date: 5/25/23





## **Figure 3**

### **Site and Sample Location Map**





<p><b>Legend</b></p> <ul style="list-style-type: none"><li><span style="border: 1px solid red; display: inline-block; width: 10px; height: 10px;"></span> Floor Sample</li><li><span style="color: blue;">●</span> Wall Sample</li><li><span style="background-color: gray; display: inline-block; width: 10px; height: 10px;"></span> Excavation</li></ul>	<p>Figure 3 Site and Sample Location Map Spur Energy Partners, LLC Riser 70 Pipe 03 GPS: 32.825018, -103.884258 Eddy County, NM</p>	<div data-bbox="1300 2842 1884 3003"><p><b>ETECH</b> <i>Environmental &amp; Safety Solutions, Inc.</i></p></div> <p>Drafted: MAG   Checked: JWJ   Date: 8/29/2023</p>
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**Table 1**  
**Concentrations of BTEX, TPH, and Chloride in Soil**

**Table 1**  
**Concentrations of BTEX, TPH, and Chloride in Soil**  
**Spur Energy Partners, LLC**  
**Riser 70 Pipe 03**  
**NMOCD Ref. #: nAPP2218631423**

NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	20,000
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
FL 1 @ 4'	7/19/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 2 @ 4'	7/19/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 3 @ 4'	7/19/2023	4	In-Situ	<0.050	<0.300	<10.0	11.4	11.4	<10.0	11.4	<16.0
FL 4 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,400
FL 5 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,860
FL 6 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,860
FL 7 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,130
FL 8 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,200
FL 9 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,860
FL 10 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,460
FL 11 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,460
FL 12 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,730
FL 13 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,060
FL 14 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,330
FL 15 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,700
FL 16 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,400
FL 17 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,400
FL 18 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,300
FL 19 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,900
FL 20 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,700
FL 21 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,700
FL 22 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,800
FL 23 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,900
FL 24 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	23.0	23.0	<10.0	23.0	10,400
FL 25 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,900
FL 26 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,120
FL 27 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,400
FL 28 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,760
FL 29 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,960
FL 30 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	16.3	16.3	<10.0	16.3	6,960
FL 31 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	30.0	30.0	11.9	41.9	7,200
FL 32 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	27.6	27.6	<10.0	27.6	5,760
FL 33 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,240
FL 34 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,040
FL 35 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,120
FL 36 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,600
FL 37 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,920
FL 38 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,160
FL 39 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,720
FL 40 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,310
FL 41 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,500

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

**Table 1**  
**Concentrations of BTEX, TPH, and Chloride in Soil**  
**Spur Energy Partners, LLC**  
**Riser 70 Pipe 03**  
**NMOCD Ref. #: nAPP2218631423**

NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	20,000
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
FL 42 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,080
FL 43 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
FL 44 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
FL 45 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	11.0	11.0	<10.0	11.0	7,440
FL 46 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,480
FL 47 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,320
FL 48 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	944
FL 49 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 50 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 51 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,960
FL 52 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,560
FL 53 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,160
FL 54 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,920
FL 55 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	12,900
FL 56 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	16.2	16.2	<10.0	16.2	8,400
FL 57 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,530
FL 58 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	12.7	12.7	<10.0	12.7	8,660
FL 59 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,730
FL 60 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,880
FL 61 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,080
FL 62 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,880
FL 63 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,320
FL 64 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,800
FL 65 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,400
FL 66 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,600
FL 67 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,600
FL 68 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,060
FL 69 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,600
FL 70 @ 1'	7/19/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,200
FL 71 @ 1'	7/19/2023	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,530
FL 71A @ 4FT	7/25/2023	4	In-Situ	<0.050	<0.300	<10.0	28.3	28.3	11.7	40.0	6,800
FL 72 @ 1'	7/19/2023	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,400
FL 72A @ 4FT	7/25/2023	4	In-Situ	<0.050	<0.300	<10.0	27.6	27.6	22.4	50.0	4,930
FL 73 @ 4FT	7/25/2023	4	In-Situ	<0.050	<0.300	<10.0	34.3	34.3	17.8	52.1	2,280
FL 74 @ 4FT	7/25/2023	4	In-Situ	<0.050	<0.300	<10.0	14.3	14.3	<10.0	14.3	2,360
FL 75 @ 4FT	7/25/2023	4	In-Situ	<0.050	<0.300	13.4	672	685	189	874	7,600
FL 76 @ 4FT	7/25/2023	4	In-Situ	<0.050	<0.300	14.7	773	788	232	1,020	8,200
FL 77 @ 4FT	7/25/2023	4	In-Situ	<0.050	<0.300	<10.0	333	333	108	441	5,680
FL 78 @ 4FT	7/25/2023	4	In-Situ	<0.050	<0.300	<10.0	13.4	13.4	<10.0	13.4	5,040
FL 79 @ 4FT	7/25/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,360
FL 80 @ 4FT	7/26/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,600

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.



**Table 1**  
**Concentrations of BTEX, TPH, and Chloride in Soil**  
**Spur Energy Partners, LLC**  
**Riser 70 Pipe 03**  
**NMOCD Ref. #: nAPP2218631423**

NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	20,000
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
FL 81 @ 4FT	7/26/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,640
FL 82 @ 4FT	7/26/2023	4	In-Situ	<0.050	<0.300	<10.0	78.4	78.4	21.5	99.9	2,760
FL 83 @ 4FT	7/26/2023	4	In-Situ	<0.050	<0.300	<10.0	225	225	63.8	289	9,300
FL 84 @ 4FT	7/26/2023	4	In-Situ	<0.050	<0.300	<10.0	89.6	89.6	32.2	122	6,960
FL 85 @ 4FT	7/26/2023	4	In-Situ	<0.050	<0.300	<10.0	104	104	33.5	138	5,440
FL 86 @ 4FT	7/26/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,040
FL 87 @ 4FT	7/26/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,680
FL 88 @ 4FT	7/26/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,480
FL 89 @ 4FT	7/26/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,300
FL 90 @ 4FT	7/26/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,040
FL 91 @ 4FT	7/26/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,800
FL 92 @ 4FT	7/27/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,120
FL 93 @ 4FT	7/27/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,920
FL 94 @ 4FT	7/27/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,480
FL 95 @ 4FT	7/27/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	992
FL 96 @ 4FT	7/27/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,490
FL 97 @ 4FT	7/27/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	544
FL 98 @ 4FT	7/27/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
FL 99 @ 4FT	7/27/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,760
FL 100 @ 4FT	7/27/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	432
FL 101 @ 4FT	7/27/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,120
FL 102 @ 4FT	7/27/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	640
FL 103 @ 4FT	7/27/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,630
FL 104 @ 4FT	7/27/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,640
FL 105 @ 4FT	7/27/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,200
FL 106 @ 4FT	7/27/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448
FL 107 @ 4FT	7/27/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448
FL #108 @ 4FT	7/28/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
FL #109 @ 4FT	7/28/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	784
FL #110 @ 4FT	7/28/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,240
FL #111 @ 4FT	7/28/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,440
FL #112 @ 4FT	7/28/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL #113 @ 4FT	7/28/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,310
FL #114 @ 4FT	7/31/2023	4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	1,680
FL #115 @ 4FT	7/31/2023	4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	1,840
FL #116 @ 4FT	7/31/2023	4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	2,880
FL #117 @ 4FT	7/31/2023	4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	1,060
FL #118 @ 4FT	7/31/2023	4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	1,100
FL #119 @ 4FT	7/31/2023	4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	640
FL #120 @ 4FT	7/31/2023	4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	3,640
FL #121 @ 4FT	7/31/2023	4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	672

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

**Table 1**  
**Concentrations of BTEX, TPH, and Chloride in Soil**  
**Spur Energy Partners, LLC**  
**Riser 70 Pipe 03**  
**NMOCD Ref. #: nAPP2218631423**

NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	20,000
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
FL #122 @ 4FT	7/31/2023	4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	1,800
FL #123 @ 4FT	7/31/2023	4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	976
FL #124 @ 4FT	7/31/2023	4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	880
FL #125 @ 4FT	7/31/2023	4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	1,170
FL #126 @ 4FT	7/31/2023	4	In-Situ	<0.025	<0.150	<10.0	29.0	29.0	36.8	65.8	592
FL #127 @ 4FT	7/31/2023	4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL #128 @ 4FT	7/31/2023	4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	672
FL #129 @ 4FT	7/31/2023	4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	336
FL #130 @ 4FT	7/31/2023	4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL #131 @ 4FT	7/31/2023	4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	416
FL #132 @ 4FT	8/1/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	992
FL #133 @ 4FT	8/1/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
FL #134 @ 4FT	8/1/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	752
FL #135 @ 4FT	8/1/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,020
FL #136 @ 4FT	8/1/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,000
FL #137 @ 4FT	8/1/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	880
FL #138 @ 4FT	8/1/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,740
FL #139 @ 4FT	8/1/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,600
FL #140 @ 4FT	8/1/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	800
FL #141 @ 4FT	8/1/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,360
FL #142 @ 4FT	8/1/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,760
FL #143 @ 4FT	8/1/2023	4	In-Situ	<0.050	<0.300	<10.0	94.2	94.2	37.1	131	512
FL #144 @ 4FT	8/1/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
FL #145 @ 4FT	8/1/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,140
FL #146 @ 4FT	8/1/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	832
FL #147 @ 4FT	8/1/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
FL #148 @ 4FT	8/1/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416
FL #149 @ 4FT	8/1/2023	4	In-Situ	<0.050	<0.300	<10.0	55.5	55.5	53.2	109	464
FL #150 @ 4FT	8/2/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL #151 @ 4FT	8/2/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	480
FL #152 @ 4FT	8/2/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448
FL #153 @ 4FT	8/2/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
FL #154 @ 4FT	8/2/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL #155 @ 4FT	8/2/2023	4	In-Situ	<0.050	<0.300	<10.0	49.3	49.3	44.4	93.7	32.0
FL #156 @ 4FT	8/2/2023	4	In-Situ	<0.050	<0.300	<10.0	26.9	26.9	16.0	42.9	384
FL #157 @ 4FT	8/2/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL #158 @ 4FT	8/2/2023	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	784
EW 1	7/19/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
EW 2	7/19/2023	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,930
EW #3	7/25/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
NW 1	7/19/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

**Table 1**  
**Concentrations of BTEX, TPH, and Chloride in Soil**  
**Spur Energy Partners, LLC**  
**Riser 70 Pipe 03**  
**NMOCD Ref. #: nAPP2218631423**

NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	20,000
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
NW 2	7/19/2023	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,730
NW #3	7/27/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
NW #4	7/27/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
NW #5	7/26/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
NW #6	7/28/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NW #7	7/28/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
NW #8	7/31/2023	0-4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW #9	7/31/2023	0-4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
NW #10	7/31/2023	0-4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NW #11	7/31/2023	0-4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	448
NW #12	7/31/2023	0-4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NW #13	7/31/2023	0-4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	128
NW #14	8/1/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NW #15	8/1/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NW #16	8/1/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
NW #17	8/1/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW #18	8/1/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
NW #19	8/1/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW #20	8/1/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW #21	8/2/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW #22	8/2/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
NW #23	8/2/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NW #24	8/2/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NW 25	8/2/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	480
SW #1	7/26/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW #2	7/27/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SW #3	7/27/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
SW #4	7/27/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
SW #5	7/27/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
SW #6	7/28/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
SW #7	7/28/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
SW #8	7/31/2023	0-4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW #9	7/31/2023	0-4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW #10	7/31/2023	0-4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	448
SW #11	7/31/2023	0-4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW #12	7/31/2023	0-4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	352
SW #13	7/31/2023	0-4	In-Situ	<0.025	<0.150	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW #14	8/1/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SW #15	8/1/2023	0-4	In-Situ	<0.050	<0.300	<10.0	13.1	13.1	13.6	26.7	32.0
SW #16	8/1/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
SW #17	8/1/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	432

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

<b>Table 1</b> <b>Concentrations of BTEX, TPH, and Chloride in Soil</b> <b>Spur Energy Partners, LLC</b> <b>Riser 70 Pipe 03</b> <b>NMOCD Ref. #: nAPP2218631423</b>											
NMOCD Closure Criteria				10	50	-	-	1,000	-	2,500	20,000
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
SW #18	8/1/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW #19	8/1/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW #20	8/1/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW #21	8/2/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW #22	8/2/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW #23	8/2/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW #24	8/2/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW #25	8/2/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
WW 1	7/19/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WW 2	7/19/2023	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,800
WW #3	7/26/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
WW #4	7/27/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
WW #5	8/2/2023	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160

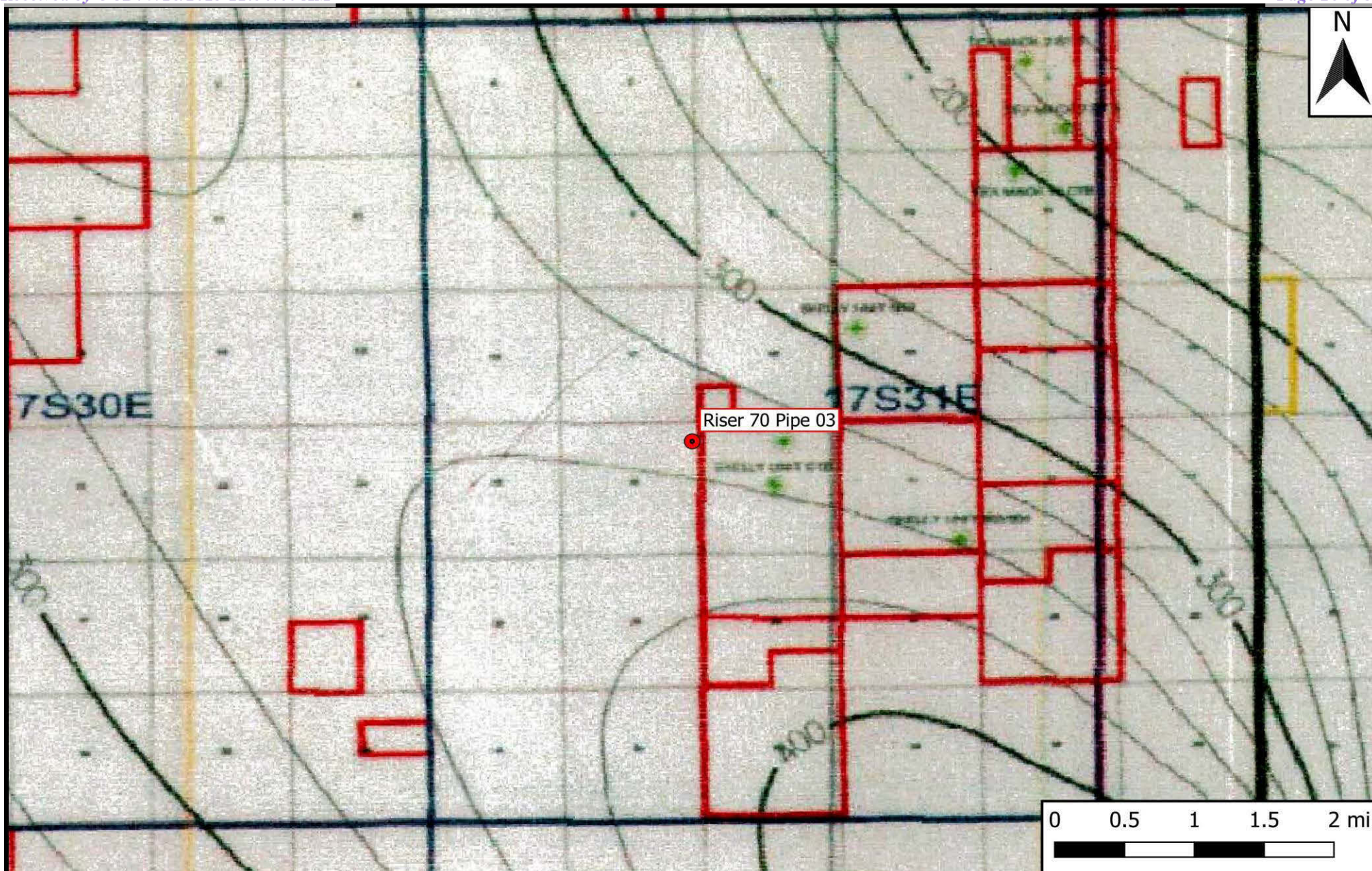
Dash (-): Sample not analyzed for that constituent.

**Bold:** NMOCD Closure Criteria exceedance.**Red:** NMOCD Reclamation Standard exceedance.

## **Appendix A**

### **Depth to Groundwater Information**



**Legend**

- Site Location

**Figure 4**

Inferred Depth to Groundwater Trend Map  
Spur Energy Partners, LLC  
Riser 70 Pipe 03  
GPS: 32.825018, -103.884258  
Eddy County



Drafted: mag

Checked: jwl

Date: 5/25/23



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW##### in the  
POD suffix indicates the  
POD has been replaced  
& no longer serves a  
water right file.)

(R=POD has been  
replaced,  
O=orphaned,  
C=the file is  
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">RA 13235 POD1</a>		RA	ED	1	1	1	21	17S	31E	604631	3632537	217	102		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

**Record Count:** 1

### UTM NAD83 Radius Search (in meters):

**Easting (X):** 604435.97

**Northing (Y):** 3632439.95

**Radius:** 804.67

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

5/25/23 9:17 AM

WATER COLUMN/ AVERAGE DEPTH TO  
WATER





# New Mexico Office of the State Engineer

## Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)  
 (quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	RA 13235 POD1	1	1	1	21	17S	31E	604631	3632537

**Driller License:** 1249 **Driller Company:** ATKINS ENGINEERING ASSOC. INC.

**Driller Name:** JACKIE D ATKINS

**Drill Start Date:** 10/08/2022 **Drill Finish Date:** 10/09/2022 **Plug Date:**

**Log File Date:** 11/04/2022 **PCW Rev Date:** **Source:**

**Pump Type:** **Pipe Discharge Size:** **Estimated Yield:**

**Casing Size:** **Depth Well:** 102 feet **Depth Water:**

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

5/25/23 9:18 AM

POINT OF DIVERSION SUMMARY





# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD-1		WELL TAG ID NO. n/a		OSE FILE NO(S). RA-13235			
	WELL OWNER NAME(S) Spur Energy Partners LLC				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 919 Milam St Ste 2475				CITY Houston	STATE TX	ZIP 77002	
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 49	SECONDS 33.16	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LATITUDE	103	52	55.80	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Nw NW NW Sec. 21 T17S R31E, NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 10/8/2022		DRILLING ENDED 10/9/2022		DEPTH OF COMPLETED WELL (FT) 102	BORE HOLE DEPTH (FT) ±102	DEPTH WATER FIRST ENCOUNTERED (FT) n/a	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a	DATE STATIC MEASURED 10/31/2022	
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER – SPECIFY: Hollow Stem Auger						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0 102		±6.5	Soil Boring	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)	METHOD OF PLACEMENT	

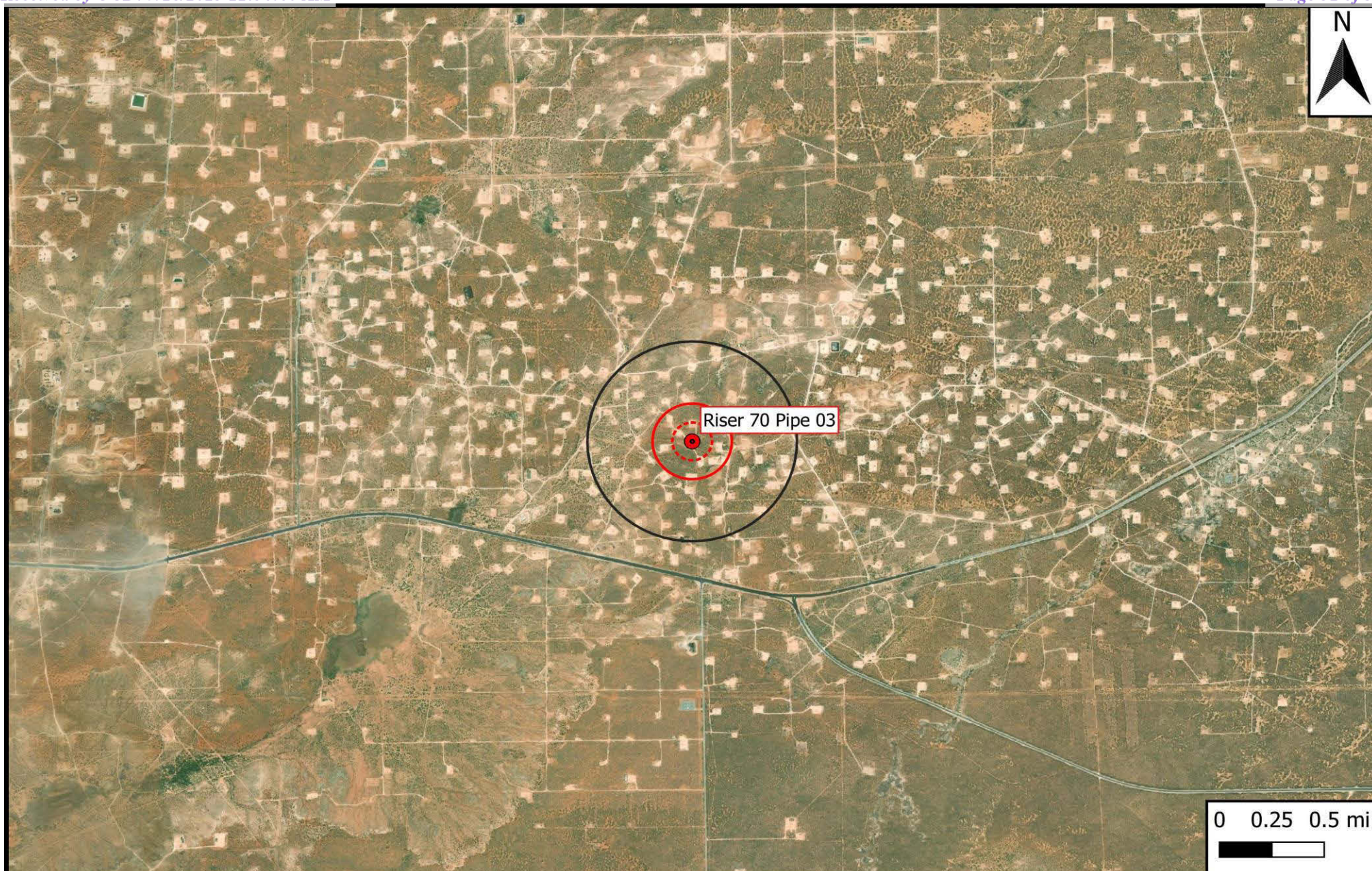
FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. RA-13235	POD NO. 1	TRN NO. 733608
LOCATION 21.175. 31E 111	WELL TAG ID NO. NA	PAGE 1 OF 2





**Legend**

- Site Location
- Well - USGS
- - - 500 Ft Radius
- 1000 Ft Radius
- 0.5 Mi Radius

**Figure 5**

USGS Well Proximity Map  
Spur Energy Partners, LLC  
Riser 70 Pipe 03  
GPS: 32.825018, -103.884258  
Eddy County



Drafted: mag

Checked: jwl

Date: 5/25/23



## **Appendix B**

### **Field Data**



## Sample Log

Date: \_\_\_\_\_

Project: Riser 70 Pipe 03

Project Number: 18238

Latitude: 32.825018

Longitude: -103.884258

Sample ID	PID/Odor	Chloride Conc.	GPS
WH1 @ Surface	-	2.8 324	
WH1 @ 1'	-	1.6 124	
V1 @ Surface		2.8 H.S. 10,340 24,664	
V1 @ 1'		7.2 H.S. 10,340	
V2 @ Surface		5.8 1208	
V2 @ 1'		7.0 1820	
V3 @ Surface		5.8 H.S. 5724	
V3 @ 1'		4.4 716	
V4 @ Surface		3.0 764	
V4 @ 1'		7.2 H.S. 10,340	
V1 @ 2'		4.2 H.S. 2992	
V2 @ 2'		7.0 H.S. 9452	
V3 @ 2'		6.8 H.S. 8664	
V4 @ 2'		4.6 H.S. 3532	
V1 @ 3'		3.0 364	
V2 @ 3'		7.2 H.S. 10340	
V3 @ 3'		5.8 1208	
V4 @ 3'		3.0 364	
V2 @ 4.5'	-	7.6 H.S. 12476	
V3 @ 4.5'	-	5.0 H.S. 4152	
FL1 @ 4'			
FL2 @ 4'		4.6	
FL3 @ 4'			
NW1			
EW1			
NW1			
FL4 @ 1'	-	7.0 H.S. 9216	
FL5 @ 1'	-	6.8 H.S. 8448	
FL6 @ 1'	-	7.4 H.S. 10,988	
FL7 @ 1'	-	6.4 H.S.	
FL8 @ 1'	-	6.2 H.S.	
FL9 @ 1'	-	7.0 H.S.	
FL10 @ 1'	-	6.8 H.S.	
FL11 @ 1'	-	7.0	
FL12 @ 1'	-		
FL13 @ 1'	-		

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples = SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



## Sample Log

Date: \_\_\_\_\_

Project: Riser 70 Pipe 03

Project Number: 18238

Latitude: 32.825018

Longitude: -103.884258

Sample ID	PID/Odor	Chloride Conc.	GPS
WW#3.	-	6204	
WW#3.	-	2080	
FL# 71 @ 4ft	-	6204	
FL# 72 @ 4ft	-	4872	
FL# 73 @ 4ft	-	2752	
EW#3.	-	2580	
WW#3.	-	904	
WW#3.	-	1292	
EW#3.	-	972	
WW#3.	-	1816	
EW#3.	-	192	
WW#3.	-	2512	
WW#3.	-	1744	
WW#3.	-	285	
FL# 74 @ 4ft	-	4872	
FL# 75 @ 4ft	-	5724	
FL# 76 @ 4ft	-	7312	
FL# 77 @ 4ft	-	4152	
FL# 78 @ 4ft	-	6204	
FL# 79 @ 4ft	-	4872	
FL# 80 @ 4ft	-	2308	
FL# 81 @ 4ft	-	4500	
FL# 82 @ 4ft	-	2752	
FL# 83 @ 4ft	-	10,340	
FL# 84 @ 4ft	-	604	
FL# 85 @ 4ft	-	4764	
FL# 86 @ 4ft	-	2144	
FL# 87 @ 4ft	-	3180	
FL# 88 @ 4ft	-	2684	
FL# 89 @ 4ft	-	1696	
FL# 90 @ 4ft	-	3180	
FL# 91 @ 4ft	-	2684	
NW#2.	-	1872	
FL# 92 @ 4ft	-	3452	
FL# 93 @ 4ft	-	2924	
FL# 94 @ 4ft	-	4060	

Sample Point = SP #1 @ ## etc

Test Trench = TT #1 @ ##

Resamples = SP #1 @ 5b or SW #1b

Floor = FL #1 etc

Refusal = SP #1 @ 4'-R

Stockpile = Stockpile #1

Sidewall = SW #1 etc

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

GPS Sample Points, Center of Comp Areas



3



## Sample Log

Date: \_\_\_\_\_

 Project: \_\_\_\_\_  
 Project Number: \_\_\_\_\_ Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

Sample ID	PID/Odor	Chloride Conc.	GPS
FL # 95 @ 4 Ft	-	1872	
FL # 96 @ 4 Ft	-	2884	
FL # 97 @ 4 Ft	-	1092	
FL # 98 @ 4 Ft	-	216	
FL # 99 @ 4 Ft	-	5,592	
FL # 100 @ 4 Ft	-	1352	
FL # 101 @ 4 Ft	-	4,764	
SW # 2	-	220	
WW # 4	-	216	
SW # 3	-	356	
NW # 3	-	736	
FL # 102 @ 4 Ft	-	215	
FL # 103 @ 4 Ft	-	1744	
NW # 3	-	892	
SW # 4	-	892	
NW # 3	-	356	
SW # 4	-	356	
FL # 104 @ 4 Ft	-	2512	
NW # 4	-	1588	
NW # 4	-	ND	
FL # 105 @ 4 Ft	-	1588	
FL # 106 @ 4 Ft	-	576	
FL # 107 @ 4 Ft	-	356	
NW # 5	-	2,328	
SW # 5	-	192	
NW # 5	-	136	
SW # 6	-	428	
NW # 6	-	2,518	
FL # 108	-	680	
FL # 109	-	996	
FL # 110	-	3,452	
FL # 111	-	2,512	
FL # 112	-	284	
FL # 113	-	1,628	
NW # 6	-	164	
SW # 7	-	2,548	

Sample Point = SP #1 @ ## etc

Test Trench = TT #1 @ ##

Resamples = SP #1 @ Sb or SW #1b

Floor = FL #1 etc

Refusal = SP #1 @ 4'-R

Stockpile = Stockpile #1

Sidewall = SW #1 etc

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

GPS Sample Points, Center of Comp Areas



## Sample Log

Date: \_\_\_\_\_

 Project: \_\_\_\_\_  
 Project Number: \_\_\_\_\_ Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

Sample ID	PID/Odor	Chloride Conc.	GPS
NW#7.	-	380	
SW#7.	-	880	
SW#7.	-	380	
SW#8.	-	ND	
NW#8.	-	ND	
SW#9.	-	ND	
NW#9.	-	184	
SW#10.	-	452	
NW#10.	-	ND	
SW#11.	-	184	
NW#11.	-	364	
FL#114 @ 4 Ft	-	2080	
FL#115 @ 4 Ft	-	1588	
FL#116 @ 4 Ft	-	2588	
FL#117 @ 4 Ft	-	1128	
FL#118 @ 4 Ft	-	1296	
FL#119 @ 4 Ft	-	716	
FL#120 @ 4 Ft	-	4060	
FL#121 @ 4 Ft	-	656	
FL#122 @ 4 Ft	-	1820	
FL#123 @ 4 Ft	-	1296	
FL#124 @ 4 Ft	-	1052	
FL#125 @ 4 Ft	-	1296	
FL#126 @ 4 Ft	-	604	
SW#12.	-	364	
NW#12.	-	ND	
FL#127 @ 4 Ft	-	248	
FL#128 @ 4 Ft	-	776	
FL#129 @ 4 Ft	-	364	
SW#13	-	ND	
NW#13	-	124	
FL#130 @ 4 Ft	-	ND	
FL#131 @ 4 Ft	-	364	
SW#14	-	ND	
NW#14	-	ND	
FL#132 @ 4 Ft	-	1104	

FL# Sample Point = SP #1 @ ## etc  
 Floor = FL #1 etc  
 Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples = SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas





## Sample Log

Date: \_\_\_\_\_

 Project: \_\_\_\_\_  
 Project Number: \_\_\_\_\_ Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

Sample ID	PID/Odor	Chloride Conc.	GPS
FL# 134 @ 4F+	-	880	
SW# 15	-	ND	
NW# 15	-	ND	
FL# 135 @ 4F+	-	952	
FL# 136 @ 4F+	-	4060	
NW# 16	-	200	
SW# 16	-	300	
FL# 137 @ 4F+	-	1028	
FL# 138 @ 4F+	-	1364	
SW# 17	-	576	
NW# 17	-	ND	
<hr/>			
FL# 139 @ 4F+	-	1744	
FL# 140 @ 4F+	-	860	
SW# 18	-	200	
NW# 18	-	ND	
FL# 141 @ 4F+	-	1232	
FL# 142 @ 4F+	-	1232	
SW# 19	-	ND	
NW# 19	-	ND	
FL# 143 @ 4F+	-	680	
FL# 144 @ 4F+	-	356	
FL# 145 @ 4F+	-	924	
SW# 20	-	ND	
NW# 20	-	ND	
FL# 146 @ 4F+	-	860	
FL# 147 @ 4F+	-	436	
SW# 21	-	ND	
NW# 21	-	576	
FL# 148 @ 4F+	-	356	
FL# 149 @ 4F+	-	576	
SW# 22	-	ND	
NW# 22	-	ND	
FL# 150 @ 4F+	-	ND	
FL# 151 @ 4F+	-	576	
SW# 23	-	ND	

Sample Point = SP #1 @ ## etc

Test Trench = TT #1 @ ##

Resamples = SP #1 @ 5b or SW #1b

Floor = FL #1 etc

Refusal = SP #1 @ 4'-R

Stockpile = Stockpile #1

Sidewall = SW #1 etc

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

GPS Sample Points, Center of Comp Areas



## Sample Log

Date: \_\_\_\_\_

Project:

Project Number: Latitude: Longitude:

[illegible]

**Sample Point = SP #1 @ ## etc**

Floor = FL #1 etc

**Sidewall = SW #1 etc**

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

**Soil Intended to be Deferred = SP #1 @ 4' In-Situ**

Resamples= SP #1 @ 5b or SW #1b

**Stockpile = Stockpile #1**

**GPS Sample Points, Center of Comp Areas**

## **Appendix C**

### **Laboratory Analytical Reports**



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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July 26, 2023

ZACH CONDER

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RISER 70 MAIN LINE

Enclosed are the results of analyses for samples received by the laboratory on 07/20/23 9:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 1 @ 4' (H233776-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.10	105	2.00	1.05	
Toluene*	<0.050	0.050	07/24/2023	ND	2.04	102	2.00	1.70	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.09	105	2.00	1.86	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.31	105	6.00	2.11	
Total BTEX	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/25/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	216	108	200	5.89	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	228	114	200	9.22	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 2 @ 4' (H233776-02)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.10	105	2.00	1.05	
Toluene*	<0.050	0.050	07/24/2023	ND	2.04	102	2.00	1.70	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.09	105	2.00	1.86	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.31	105	6.00	2.11	
Total BTX	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/25/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	216	108	200	5.89	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	228	114	200	9.22	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 3 @ 4' (H233776-03)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.10	105	2.00	1.05	
Toluene*	<0.050	0.050	07/24/2023	ND	2.04	102	2.00	1.70	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.09	105	2.00	1.86	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.31	105	6.00	2.11	
Total BTX	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/25/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	216	108	200	5.89	
<b>DRO &gt;C10-C28*</b>	<b>11.4</b>	10.0	07/22/2023	ND	228	114	200	9.22	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 4 @ 1' (H233776-04)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.10	105	2.00	1.05	
Toluene*	<0.050	0.050	07/24/2023	ND	2.04	102	2.00	1.70	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.09	105	2.00	1.86	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.31	105	6.00	2.11	
Total BTEX	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7400	16.0	07/25/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	216	108	200	5.89	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	228	114	200	9.22	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 5 @ 1' (H233776-05)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2023	ND	2.10	105	2.00	1.05		
Toluene*	<0.050	0.050	07/24/2023	ND	2.04	102	2.00	1.70		
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.09	105	2.00	1.86		
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.31	105	6.00	2.11		
Total BTEX	<0.300	0.300	07/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9860	16.0	07/25/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	216	108	200	5.89	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	228	114	200	9.22	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 6 @ 1' (H233776-06)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.10	105	2.00	1.05	
Toluene*	<0.050	0.050	07/24/2023	ND	2.04	102	2.00	1.70	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.09	105	2.00	1.86	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.31	105	6.00	2.11	
Total BTEX	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9860	16.0	07/25/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	216	108	200	5.89	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	228	114	200	9.22	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 7 @ 1' (H233776-07)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/23/2023	ND	2.14	107	2.00	0.967		
Toluene*	<0.050	0.050	07/23/2023	ND	2.07	103	2.00	0.0637		
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.22	111	2.00	0.575		
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.69	111	6.00	0.128		
Total BTEX	<0.300	0.300	07/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8130	16.0	07/25/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	216	108	200	5.89	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	228	114	200	9.22	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 8 @ 1' (H233776-08)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2023	ND	2.14	107	2.00	0.967	
Toluene*	<0.050	0.050	07/23/2023	ND	2.07	103	2.00	0.0637	
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.22	111	2.00	0.575	
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.69	111	6.00	0.128	
Total BTEX	<0.300	0.300	07/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9200	16.0	07/25/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	216	108	200	5.89	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	228	114	200	9.22	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 9 @ 1' (H233776-09)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2023	ND	2.14	107	2.00	0.967	
Toluene*	<0.050	0.050	07/23/2023	ND	2.07	103	2.00	0.0637	
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.22	111	2.00	0.575	
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.69	111	6.00	0.128	
Total BTEX	<0.300	0.300	07/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9860	16.0	07/25/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	216	108	200	5.89	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	228	114	200	9.22	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 10 @ 1' (H233776-10)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/23/2023	ND	2.14	107	2.00	0.967		
Toluene*	<0.050	0.050	07/23/2023	ND	2.07	103	2.00	0.0637		
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.22	111	2.00	0.575		
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.69	111	6.00	0.128		
Total BTEX	<0.300	0.300	07/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7460	16.0	07/25/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	216	108	200	5.89	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	228	114	200	9.22	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 11 @ 1' (H233776-11)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2023	ND	2.14	107	2.00	0.967	
Toluene*	<0.050	0.050	07/23/2023	ND	2.07	103	2.00	0.0637	
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.22	111	2.00	0.575	
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.69	111	6.00	0.128	
Total BTEX	<0.300	0.300	07/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5460	16.0	07/25/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	216	108	200	5.89	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	228	114	200	9.22	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 12 @ 1' (H233776-12)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/23/2023	ND	2.14	107	2.00	0.967		
Toluene*	<0.050	0.050	07/23/2023	ND	2.07	103	2.00	0.0637		
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.22	111	2.00	0.575		
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.69	111	6.00	0.128		
Total BTEx	<0.300	0.300	07/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7730	16.0	07/25/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	216	108	200	5.89	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	228	114	200	9.22	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 13 @ 1' (H233776-13)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/23/2023	ND	2.14	107	2.00	0.967		
Toluene*	<0.050	0.050	07/23/2023	ND	2.07	103	2.00	0.0637		
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.22	111	2.00	0.575		
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.69	111	6.00	0.128		
Total BTEx	<0.300	0.300	07/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5060	16.0	07/25/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	216	108	200	5.89	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	228	114	200	9.22	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 14 @ 1' (H233776-14)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2023	ND	2.14	107	2.00	0.967	
Toluene*	<0.050	0.050	07/23/2023	ND	2.07	103	2.00	0.0637	
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.22	111	2.00	0.575	
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.69	111	6.00	0.128	
Total BTEX	<0.300	0.300	07/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5330	16.0	07/25/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	202	101	200	5.44	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	214	107	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 52.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.6 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 15 @ 1' (H233776-15)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2023	ND	2.14	107	2.00	0.967	
Toluene*	<0.050	0.050	07/23/2023	ND	2.07	103	2.00	0.0637	
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.22	111	2.00	0.575	
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.69	111	6.00	0.128	
Total BTEX	<0.300	0.300	07/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7700	16.0	07/25/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	202	101	200	5.44	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	214	107	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 56.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 16 @ 1' (H233776-16)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/23/2023	ND	2.14	107	2.00	0.967		
Toluene*	<0.050	0.050	07/23/2023	ND	2.07	103	2.00	0.0637		
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.22	111	2.00	0.575		
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.69	111	6.00	0.128		
Total BTX	<0.300	0.300	07/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8400	16.0	07/25/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	202	101	200	5.44	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	214	107	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 58.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 17 @ 1' (H233776-17)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2023	ND	2.14	107	2.00	0.967	
Toluene*	<0.050	0.050	07/23/2023	ND	2.07	103	2.00	0.0637	
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.22	111	2.00	0.575	
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.69	111	6.00	0.128	
Total BTEX	<0.300	0.300	07/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8400	16.0	07/25/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	202	101	200	5.44	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	214	107	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 57.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 18 @ 1' (H233776-18)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2023	ND	2.14	107	2.00	0.967	
Toluene*	<0.050	0.050	07/23/2023	ND	2.07	103	2.00	0.0637	
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.22	111	2.00	0.575	
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.69	111	6.00	0.128	
Total BTX	<0.300	0.300	07/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5300	16.0	07/25/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	202	101	200	5.44	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	214	107	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 57.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 19 @ 1' (H233776-19)**

BTX 8021B			mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/23/2023	ND	2.14	107	2.00	0.967		
Toluene*	<0.050	0.050	07/23/2023	ND	2.07	103	2.00	0.0637		
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.22	111	2.00	0.575		
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.69	111	6.00	0.128		
Total BTX	<0.300	0.300	07/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5900	16.0	07/25/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	202	101	200	5.44	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	214	107	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 51.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 58.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 20 @ 1' (H233776-20)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2023	ND	2.14	107	2.00	0.967	
Toluene*	<0.050	0.050	07/23/2023	ND	2.07	103	2.00	0.0637	
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.22	111	2.00	0.575	
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.69	111	6.00	0.128	
Total BTEX	<0.300	0.300	07/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5700	16.0	07/25/2023	ND	416	104	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	202	101	200	5.44	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	214	107	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 56.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.1 % 49.1-148

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 21 @ 1' (H233776-21)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/23/2023	ND	2.14	107	2.00	0.967		
Toluene*	<0.050	0.050	07/23/2023	ND	2.07	103	2.00	0.0637		
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.22	111	2.00	0.575		
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.69	111	6.00	0.128		
Total BTX	<0.300	0.300	07/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5700	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	202	101	200	5.44	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	214	107	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 57.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 22 @ 1' (H233776-22)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2023	ND	2.14	107	2.00	0.967	
Toluene*	<0.050	0.050	07/23/2023	ND	2.07	103	2.00	0.0637	
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.22	111	2.00	0.575	
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.69	111	6.00	0.128	
Total BTEX	<0.300	0.300	07/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10800	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	202	101	200	5.44	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	214	107	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 62.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.5 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 23 @ 1' (H233776-23)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2023	ND	2.14	107	2.00	0.967	
Toluene*	<0.050	0.050	07/23/2023	ND	2.07	103	2.00	0.0637	
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.22	111	2.00	0.575	
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.69	111	6.00	0.128	
Total BTEX	<0.300	0.300	07/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10900	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	202	101	200	5.44	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	214	107	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 61.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 24 @ 1' (H233776-24)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2023	ND	2.14	107	2.00	0.967	
Toluene*	<0.050	0.050	07/23/2023	ND	2.07	103	2.00	0.0637	
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.22	111	2.00	0.575	
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.69	111	6.00	0.128	
Total BTEX	<0.300	0.300	07/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10400	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	202	101	200	5.44	
DRO >C10-C28*	23.0	10.0	07/22/2023	ND	214	107	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 55.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 25 @ 1' (H233776-25)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/23/2023	ND	2.14	107	2.00	0.967		
Toluene*	<0.050	0.050	07/23/2023	ND	2.07	103	2.00	0.0637		
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.22	111	2.00	0.575		
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.69	111	6.00	0.128		
Total BTEx	<0.300	0.300	07/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10900	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	202	101	200	5.44	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	214	107	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 57.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 26 @ 1' (H233776-26)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2023	ND	2.14	107	2.00	0.967	
Toluene*	<0.050	0.050	07/23/2023	ND	2.07	103	2.00	0.0637	
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.22	111	2.00	0.575	
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.69	111	6.00	0.128	
Total BTX	<0.300	0.300	07/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3120	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	202	101	200	5.44	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	214	107	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 56.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 27 @ 1' (H233776-27)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2023	ND	2.17	108	2.00	1.84	
Toluene*	<0.050	0.050	07/23/2023	ND	2.12	106	2.00	4.10	
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.28	114	2.00	3.50	
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.84	114	6.00	3.35	
Total BTEX	<0.300	0.300	07/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2400	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	202	101	200	5.44	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	214	107	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 58.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.1 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 28 @ 1' (H233776-28)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2023	ND	2.17	108	2.00	1.84	
Toluene*	<0.050	0.050	07/23/2023	ND	2.12	106	2.00	4.10	
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.28	114	2.00	3.50	
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.84	114	6.00	3.35	
Total BTEX	<0.300	0.300	07/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3760	16.0	07/25/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	202	101	200	5.44	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	214	107	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 61.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.4 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 29 @ 1' (H233776-29)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2023	ND	2.17	108	2.00	1.84	
Toluene*	<0.050	0.050	07/23/2023	ND	2.12	106	2.00	4.10	
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.28	114	2.00	3.50	
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.84	114	6.00	3.35	
Total BTX	<0.300	0.300	07/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4960	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	202	101	200	5.44	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	214	107	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 59.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 30 @ 1' (H233776-30)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2023	ND	2.17	108	2.00	1.84	
Toluene*	<0.050	0.050	07/23/2023	ND	2.12	106	2.00	4.10	
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.28	114	2.00	3.50	
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.84	114	6.00	3.35	
Total BTEX	<0.300	0.300	07/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6960	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	202	101	200	5.44	
DRO >C10-C28*	16.3	10.0	07/22/2023	ND	214	107	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 63.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.1 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 31 @ 1' (H233776-31)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2023	ND	2.17	108	2.00	1.84	
Toluene*	<0.050	0.050	07/23/2023	ND	2.12	106	2.00	4.10	
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.28	114	2.00	3.50	
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.84	114	6.00	3.35	
Total BTEX	<0.300	0.300	07/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7200	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	202	101	200	5.44	
DRO >C10-C28*	30.0	10.0	07/22/2023	ND	214	107	200	1.40	
EXT DRO >C28-C36	11.9	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 61.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 32 @ 1' (H233776-32)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2023	ND	2.17	108	2.00	1.84	
Toluene*	<0.050	0.050	07/23/2023	ND	2.12	106	2.00	4.10	
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.28	114	2.00	3.50	
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.84	114	6.00	3.35	
Total BTEX	<0.300	0.300	07/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5760	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	202	101	200	5.44	
DRO >C10-C28*	27.6	10.0	07/22/2023	ND	214	107	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 59.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 33 @ 1' (H233776-33)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2023	ND	2.17	108	2.00	1.84	
Toluene*	<0.050	0.050	07/23/2023	ND	2.12	106	2.00	4.10	
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.28	114	2.00	3.50	
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.84	114	6.00	3.35	
Total BTX	<0.300	0.300	07/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6240	16.0	07/25/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	202	101	200	5.44	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	214	107	200	1.40	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 59.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 34 @ 1' (H233776-34)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2023	ND	2.17	108	2.00	1.84	
Toluene*	<0.050	0.050	07/23/2023	ND	2.12	106	2.00	4.10	
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.28	114	2.00	3.50	
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.84	114	6.00	3.35	
Total BTX	<0.300	0.300	07/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3040	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	215	107	200	7.13	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	202	101	200	0.189	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 35 @ 1' (H233776-35)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2023	ND	2.17	108	2.00	1.84	
Toluene*	<0.050	0.050	07/23/2023	ND	2.12	106	2.00	4.10	
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.28	114	2.00	3.50	
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.84	114	6.00	3.35	
Total BTEx	<0.300	0.300	07/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	07/25/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	215	107	200	7.13	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	202	101	200	0.189	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 36 @ 1' (H233776-36)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2023	ND	2.17	108	2.00	1.84	
Toluene*	<0.050	0.050	07/23/2023	ND	2.12	106	2.00	4.10	
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.28	114	2.00	3.50	
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.84	114	6.00	3.35	
Total BTEX	<0.300	0.300	07/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	07/25/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	215	107	200	7.13	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	202	101	200	0.189	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 37 @ 1' (H233776-37)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/23/2023	ND	2.17	108	2.00	1.84		
Toluene*	<0.050	0.050	07/23/2023	ND	2.12	106	2.00	4.10		
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.28	114	2.00	3.50		
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.84	114	6.00	3.35		
Total BTEX	<0.300	0.300	07/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2920	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	215	107	200	7.13	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	202	101	200	0.189	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 95.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 38 @ 1' (H233776-38)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2023	ND	2.17	108	2.00	1.84	
Toluene*	<0.050	0.050	07/23/2023	ND	2.12	106	2.00	4.10	
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.28	114	2.00	3.50	
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.84	114	6.00	3.35	
Total BTEx	<0.300	0.300	07/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	07/25/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	215	107	200	7.13	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	202	101	200	0.189	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 39 @ 1' (H233776-39)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2023	ND	2.17	108	2.00	1.84	
Toluene*	<0.050	0.050	07/23/2023	ND	2.12	106	2.00	4.10	
Ethylbenzene*	<0.050	0.050	07/23/2023	ND	2.28	114	2.00	3.50	
Total Xylenes*	<0.150	0.150	07/23/2023	ND	6.84	114	6.00	3.35	
Total BTEx	<0.300	0.300	07/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1720	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	215	107	200	7.13	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	202	101	200	0.189	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 40 @ 1' (H233776-40)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2023	ND	2.17	108	2.00	1.84		
Toluene*	<0.050	0.050	07/24/2023	ND	2.12	106	2.00	4.10		
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.28	114	2.00	3.50		
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.84	114	6.00	3.35		
Total BTEX	<0.300	0.300	07/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1310	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	215	107	200	7.13	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	202	101	200	0.189	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 41 @ 1' (H233776-41)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2023	ND	2.17	108	2.00	1.84		
Toluene*	<0.050	0.050	07/24/2023	ND	2.12	106	2.00	4.10		
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.28	114	2.00	3.50		
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.84	114	6.00	3.35		
Total BTEx	<0.300	0.300	07/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1500	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	215	107	200	7.13	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	202	101	200	0.189	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 42 @ 1' (H233776-42)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.17	108	2.00	1.84	
Toluene*	<0.050	0.050	07/24/2023	ND	2.12	106	2.00	4.10	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.28	114	2.00	3.50	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.84	114	6.00	3.35	
Total BTEx	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2080	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/21/2023	ND	215	107	200	7.13	
DRO >C10-C28*	<10.0	10.0	07/21/2023	ND	202	101	200	0.189	
EXT DRO >C28-C36	<10.0	10.0	07/21/2023	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 43 @ 1' (H233776-43)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.17	108	2.00	1.84	
Toluene*	<0.050	0.050	07/24/2023	ND	2.12	106	2.00	4.10	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.28	114	2.00	3.50	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.84	114	6.00	3.35	
Total BTX	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	07/25/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	215	107	200	7.13	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	202	101	200	0.189	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 44 @ 1' (H233776-44)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.17	108	2.00	1.84	
Toluene*	<0.050	0.050	07/24/2023	ND	2.12	106	2.00	4.10	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.28	114	2.00	3.50	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.84	114	6.00	3.35	
Total BTEX	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	215	107	200	7.13	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	202	101	200	0.189	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 45 @ 1' (H233776-45)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.17	108	2.00	1.84	
Toluene*	<0.050	0.050	07/24/2023	ND	2.12	106	2.00	4.10	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.28	114	2.00	3.50	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.84	114	6.00	3.35	
Total BTEX	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7440	16.0	07/25/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	215	107	200	7.13	
DRO >C10-C28*	11.0	10.0	07/22/2023	ND	202	101	200	0.189	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 46 @ 1' (H233776-46)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.17	108	2.00	1.84	
Toluene*	<0.050	0.050	07/24/2023	ND	2.12	106	2.00	4.10	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.28	114	2.00	3.50	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.84	114	6.00	3.35	
Total BTEX	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6480	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	215	107	200	7.13	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	202	101	200	0.189	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 47 @ 1' (H233776-47)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.25	113	2.00	1.80	
Toluene*	<0.050	0.050	07/24/2023	ND	2.20	110	2.00	0.777	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.12	106	2.00	1.58	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.33	106	6.00	1.89	
Total BTX	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6320	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	215	107	200	7.13	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	202	101	200	0.189	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 48 @ 1' (H233776-48)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.25	113	2.00	1.80	
Toluene*	<0.050	0.050	07/24/2023	ND	2.20	110	2.00	0.777	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.12	106	2.00	1.58	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.33	106	6.00	1.89	
Total BTX	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	07/25/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	215	107	200	7.13	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	202	101	200	0.189	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 49 @ 1' (H233776-49)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.25	113	2.00	1.80	
Toluene*	<0.050	0.050	07/24/2023	ND	2.20	110	2.00	0.777	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.12	106	2.00	1.58	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.33	106	6.00	1.89	
Total BTEx	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	215	107	200	7.13	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	202	101	200	0.189	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 50 @ 1' (H233776-50)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.25	113	2.00	1.80	
Toluene*	<0.050	0.050	07/24/2023	ND	2.20	110	2.00	0.777	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.12	106	2.00	1.58	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.33	106	6.00	1.89	
Total BTX	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/25/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	215	107	200	7.13	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	202	101	200	0.189	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 51 @ 1' (H233776-51)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.25	113	2.00	1.80	
Toluene*	<0.050	0.050	07/24/2023	ND	2.20	110	2.00	0.777	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.12	106	2.00	1.58	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.33	106	6.00	1.89	
Total BTEx	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8960	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	215	107	200	7.13	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	202	101	200	0.189	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 52 @ 1' (H233776-52)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.25	113	2.00	1.80	
Toluene*	<0.050	0.050	07/24/2023	ND	2.20	110	2.00	0.777	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.12	106	2.00	1.58	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.33	106	6.00	1.89	
Total BTX	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8560	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	215	107	200	7.13	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	202	101	200	0.189	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 53 @ 1' (H233776-53)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.25	113	2.00	1.80	
Toluene*	<0.050	0.050	07/24/2023	ND	2.20	110	2.00	0.777	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.12	106	2.00	1.58	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.33	106	6.00	1.89	
Total BTEx	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6160	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	215	107	200	7.13	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	202	101	200	0.189	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 54 @ 1' (H233776-54)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.25	113	2.00	1.80	
Toluene*	<0.050	0.050	07/24/2023	ND	2.20	110	2.00	0.777	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.12	106	2.00	1.58	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.33	106	6.00	1.89	
Total BTEx	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5920	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	201	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	213	106	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 55 @ 1' (H233776-55)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.25	113	2.00	1.80	
Toluene*	<0.050	0.050	07/24/2023	ND	2.20	110	2.00	0.777	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.12	106	2.00	1.58	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.33	106	6.00	1.89	
Total BTEx	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12900	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	201	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	213	106	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 56 @ 1' (H233776-56)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.25	113	2.00	1.80	
Toluene*	<0.050	0.050	07/24/2023	ND	2.20	110	2.00	0.777	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.12	106	2.00	1.58	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.33	106	6.00	1.89	
Total BTEx	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8400	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	201	100	200	2.84	
DRO >C10-C28*	16.2	10.0	07/22/2023	ND	213	106	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 57 @ 1' (H233776-57)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.25	113	2.00	1.80	
Toluene*	<0.050	0.050	07/24/2023	ND	2.20	110	2.00	0.777	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.12	106	2.00	1.58	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.33	106	6.00	1.89	
Total BTEx	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8530	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	201	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	213	106	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 58 @ 1' (H233776-58)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.25	113	2.00	1.80	
Toluene*	<0.050	0.050	07/24/2023	ND	2.20	110	2.00	0.777	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.12	106	2.00	1.58	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.33	106	6.00	1.89	
Total BTEx	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8660	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	201	100	200	2.84	
DRO >C10-C28*	12.7	10.0	07/22/2023	ND	213	106	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 59 @ 1' (H233776-59)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.25	113	2.00	1.80	
Toluene*	<0.050	0.050	07/24/2023	ND	2.20	110	2.00	0.777	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.12	106	2.00	1.58	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.33	106	6.00	1.89	
Total BTX	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5730	16.0	07/25/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	201	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	213	106	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 60 @ 1' (H233776-60)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.25	113	2.00	1.80	
Toluene*	<0.050	0.050	07/24/2023	ND	2.20	110	2.00	0.777	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.12	106	2.00	1.58	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.33	106	6.00	1.89	
Total BTEx	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4880	16.0	07/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	201	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	213	106	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 61 @ 1' (H233776-61)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.25	113	2.00	1.80	
Toluene*	<0.050	0.050	07/24/2023	ND	2.20	110	2.00	0.777	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.12	106	2.00	1.58	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.33	106	6.00	1.89	
Total BTEX	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4080	16.0	07/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	201	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	213	106	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 62 @ 1' (H233776-62)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.25	113	2.00	1.80	
Toluene*	<0.050	0.050	07/24/2023	ND	2.20	110	2.00	0.777	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.12	106	2.00	1.58	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.33	106	6.00	1.89	
Total BTEX	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4880	16.0	07/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	201	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	213	106	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 63 @ 1' (H233776-63)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.25	113	2.00	1.80	
Toluene*	<0.050	0.050	07/24/2023	ND	2.20	110	2.00	0.777	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.12	106	2.00	1.58	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.33	106	6.00	1.89	
Total BTEx	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4320	16.0	07/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	201	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	213	106	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 64 @ 1' (H233776-64)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.25	113	2.00	1.80	
Toluene*	<0.050	0.050	07/24/2023	ND	2.20	110	2.00	0.777	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.12	106	2.00	1.58	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.33	106	6.00	1.89	
Total BTEx	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8800	16.0	07/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	201	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	213	106	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 65 @ 1' (H233776-65)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.25	113	2.00	1.80	
Toluene*	<0.050	0.050	07/24/2023	ND	2.20	110	2.00	0.777	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.12	106	2.00	1.58	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.33	106	6.00	1.89	
Total BTEx	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8400	16.0	07/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	201	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	213	106	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 66 @ 1' (H233776-66)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.25	113	2.00	1.80	
Toluene*	<0.050	0.050	07/24/2023	ND	2.20	110	2.00	0.777	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.12	106	2.00	1.58	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.33	106	6.00	1.89	
Total BTX	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5600	16.0	07/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	201	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	213	106	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 67 @ 1' (H233776-67)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.01	100	2.00	2.14	
Toluene*	<0.050	0.050	07/24/2023	ND	2.17	109	2.00	3.75	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.19	109	2.00	3.81	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.51	108	6.00	3.82	
Total BTEx	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5600	16.0	07/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	201	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	213	106	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 68 @ 1' (H233776-68)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2023	ND	2.01	100	2.00	2.14		
Toluene*	<0.050	0.050	07/24/2023	ND	2.17	109	2.00	3.75		
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.19	109	2.00	3.81		
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.51	108	6.00	3.82		
Total BTEx	<0.300	0.300	07/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7060	16.0	07/25/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	201	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	213	106	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 69 @ 1' (H233776-69)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.01	100	2.00	2.14	
Toluene*	<0.050	0.050	07/24/2023	ND	2.17	109	2.00	3.75	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.19	109	2.00	3.81	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.51	108	6.00	3.82	
Total BTX	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	07/25/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	201	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	213	106	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 70 @ 1' (H233776-70)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.01	100	2.00	2.14	
Toluene*	<0.050	0.050	07/24/2023	ND	2.17	109	2.00	3.75	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.19	109	2.00	3.81	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.51	108	6.00	3.82	
Total BTEx	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7200	16.0	07/25/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	201	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	213	106	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 71 @ 1' (H233776-71)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.01	100	2.00	2.14	
Toluene*	<0.050	0.050	07/24/2023	ND	2.17	109	2.00	3.75	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.19	109	2.00	3.81	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.51	108	6.00	3.82	
Total BTEx	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6530	16.0	07/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	201	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	213	106	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 72 @ 1' (H233776-72)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.01	100	2.00	2.14	
Toluene*	<0.050	0.050	07/24/2023	ND	2.17	109	2.00	3.75	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.19	109	2.00	3.81	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.51	108	6.00	3.82	
Total BTEx	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6400	16.0	07/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	201	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	213	106	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NW 1 (H233776-73)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.01	100	2.00	2.14	
Toluene*	<0.050	0.050	07/24/2023	ND	2.17	109	2.00	3.75	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.19	109	2.00	3.81	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.51	108	6.00	3.82	
Total BTEX	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2023	ND	201	100	200	2.84	
DRO >C10-C28*	<10.0	10.0	07/22/2023	ND	213	106	200	5.86	
EXT DRO >C28-C36	<10.0	10.0	07/22/2023	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NW 2 (H233776-74)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2023	ND	2.01	100	2.00	2.14		
Toluene*	<0.050	0.050	07/24/2023	ND	2.17	109	2.00	3.75		
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.19	109	2.00	3.81		
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.51	108	6.00	3.82		
Total BTEX	<0.300	0.300	07/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5730	16.0	07/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2023	ND	203	102	200	1.66	
DRO >C10-C28*	<10.0	10.0	07/24/2023	ND	206	103	200	4.84	
EXT DRO >C28-C36	<10.0	10.0	07/24/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EW 1 (H233776-75)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2023	ND	2.01	100	2.00	2.14		
Toluene*	<0.050	0.050	07/24/2023	ND	2.17	109	2.00	3.75		
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.19	109	2.00	3.81		
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.51	108	6.00	3.82		
Total BTEx	<0.300	0.300	07/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2023	ND	203	102	200	1.66	
DRO >C10-C28*	<10.0	10.0	07/24/2023	ND	206	103	200	4.84	
EXT DRO >C28-C36	<10.0	10.0	07/24/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EW 2 (H233776-76)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2023	ND	2.01	100	2.00	2.14		
Toluene*	<0.050	0.050	07/24/2023	ND	2.17	109	2.00	3.75		
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.19	109	2.00	3.81		
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.51	108	6.00	3.82		
Total BTEx	<0.300	0.300	07/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8930	16.0	07/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2023	ND	203	102	200	1.66	
DRO >C10-C28*	<10.0	10.0	07/24/2023	ND	206	103	200	4.84	
EXT DRO >C28-C36	<10.0	10.0	07/24/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WW 1 (H233776-77)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.01	100	2.00	2.14	
Toluene*	<0.050	0.050	07/24/2023	ND	2.17	109	2.00	3.75	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.19	109	2.00	3.81	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.51	108	6.00	3.82	
Total BTEx	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/25/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2023	ND	203	102	200	1.66	
DRO >C10-C28*	<10.0	10.0	07/24/2023	ND	206	103	200	4.84	
EXT DRO >C28-C36	<10.0	10.0	07/24/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/20/2023  
 Reported: 07/26/2023  
 Project Name: RISER 70 MAIN LINE  
 Project Number: 18238  
 Project Location: UL/A SEC20 T17S T31E

Sampling Date: 07/19/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WW 2 (H233776-78)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2023	ND	2.01	100	2.00	2.14	
Toluene*	<0.050	0.050	07/24/2023	ND	2.17	109	2.00	3.75	
Ethylbenzene*	<0.050	0.050	07/24/2023	ND	2.19	109	2.00	3.81	
Total Xylenes*	<0.150	0.150	07/24/2023	ND	6.51	108	6.00	3.82	
Total BTEx	<0.300	0.300	07/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	07/25/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2023	ND	203	102	200	1.66	
DRO >C10-C28*	<10.0	10.0	07/24/2023	ND	206	103	200	4.84	
EXT DRO >C28-C36	<10.0	10.0	07/24/2023	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

### Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Company Name: Spur Energy Partners, LLC		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																
Project Manager: Zach Conder		P.O. #:																		
Address: 3100 Plains Hwy		Company: Spur Energy Partners, LLC																		
City: Lovington State: NM Zip: 88260		Attn: Kathy Purvis																		
Phone #: 575-396-2378 Fax #: 575-396-1429		Address:																		
Project #: 18238 Project Owner: Spur Energy Partners, LLC		City:																		
Project Name: Riser 70 Main Line		State: Zip:																		
Project Location: UL/ A Sec 20 T17S - R31E		Phone #:																		
Sampler Name: Miguel R.		Fax #:																		
FOR LAB USE ONLY																				
Lab I.D.	Sample I.D.	(GRAB OR (COMP. # CONTAINERS	MATRIX	PRESERV.	SAMPLING															
		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH	BTEX 8021					
11	FL 11 @1'	C		X				X			7/19/23	8:20	X	X	X					
12	FL 12 @1'	C		X				X			7/19/23	8:22	X	X	X					
13	FL 13 @1'	C		X				X			7/19/23	8:24	X	X	X					
14	FL 14 @1'	C		X				X			7/19/23	8:26	X	X	X					
15	FL 15 @1'	C		X				X			7/19/23	8:28	X	X	X					
16	FL 16 @1'	C		X				X			7/19/23	8:30	X	X	X					
17	FL 17 @1'	C		X				X			7/19/23	8:32	X	X	X					
18	FL 18 @1'	C		X				X			7/19/23	8:34	X	X	X					
19	FL 19 @1'	C		X				X			7/19/23	8:36	X	X	X					
20	FL 20 @1'	C		X				X			7/19/23	8:38	X	X	X					

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Relinquished By: <i>[Signature]</i>	Date: 7-20-23	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: 0905			Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: Email results to zach@etechenv.com	
Time:				
Delivered By: (Circle One)	#140	Sample Condition	CHECKED BY: <i>[Signature]</i>	
Sampler - UPS - Bus - Other: - L.6c		Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

**RUSH**

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476





# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Company Name: Spur Energy Partners, LLC		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																				
Project Manager: Zach Conder		P.O. #:																						
Address: 3100 Plains Hwy		Company: Spur Energy Partners, LLC																						
City: Lovington	State: NM	Zip: 88260	Attn: Kathy Purvis																					
Phone #: 575-396-2378	Fax #: 575-396-1429	Address:																						
Project #: 18238	Project Owner: Spur Energy Partners, LLC		City:																					
Project Name: Riser 70 Main Line		State: Zip:																						
Project Location: UL/ A Sec 20 T17S - R31E		Phone #:																						
Sampler Name: Miguel R.		Fax #:																						
FOR LAB USE ONLY																								
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH	BTEX 8021							
H233776																								
21	FL 21 @ 1'	C				X				X			7/19/23	8:40	X	X	X							
22	FL 22 @ 1'	C				X				X			7/19/23	8:42	X	X	X							
23	FL 23 @ 1'	C				X				X			7/19/23	8:44	X	X	X							
24	FL 24 @ 1'	C				X				X			7/19/23	8:46	X	X	X							
25	FL 25 @ 1'	C				X				X			7/19/23	8:48	X	X	X							
26	FL 26 @ 1'	C				X				X			7/19/23	8:50	X	X	X							
27	FL 27 @ 1'	C				X				X			7/19/23	8:52	X	X	X							
28	FL 28 @ 1'	C				X				X			7/19/23	8:54	X	X	X							
29	FL 29 @ 1'	C				X				X			7/19/23	8:56	X	X	X							
30	FL 30 @ 1'	C				X				X			7/19/23	8:58	X	X	X							

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Relinquished By: <i>[Signature]</i>	Date: 7-20-23	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date: 7-20-23	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <i>- 1.6c</i>			REMARKS: Email results to zach@etechenv.com	
Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			CHECKED BY: (Initials) <i>[Signature]</i>	

RUSH

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FORM-006 R 2.0





101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Spur Energy Partners, LLC		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>														
Project Manager: Zach Conder		P.O. #:																
Address: 3100 Plains Hwy		Company: Spur Energy Partners, LLC																
City: Lovington State: NM Zip: 88260		Attn: Kathy Purvis																
Phone #: 575-396-2378 Fax #: 575-396-1429		Address:																
Project #: 18238 Project Owner: Spur Energy Partners, LLC		City:																
Project Name: Riser 70 Main Line		State: Zip:																
Project Location: UL/ A Sec 20 T17S - R31E		Phone #:																
Sampler Name: Miguel R.		Fax #:																
FOR LAB USE ONLY																		
Lab I.D.	Sample I.D.	(GRAB OR (COMP. # CONTAINERS	MATRIX	PRESERV.	SAMPLING													
			GROUNDWATER			Chloride												
			WASTEWATER			TPH												
			SOIL			BTEX 8021												
			OIL															
			SLUDGE															
			OTHER :															
			ACID/BASE:															
			ICE / COOL															
			OTHER :															
					DATE	TIME												
41	FL 41 @ 1'	C			X		7/19/23	9:20	X	X	X							
42	FL 42 @ 1'	C			X		7/19/23	9:22	X	X	X							
43	FL 43 @ 1'	C			X		7/19/23	9:24	X	X	X							
44	FL 44 @ 1'	C			X		7/19/23	9:26	X	X	X							
45	FL 45 @ 1'	C			X		7/19/23	9:28	X	X	X							
46	FL 46 @ 1'	C			X		7/19/23	9:30	X	X	X							
47	FL 47 @ 1'	C			X		7/19/23	9:32	X	X	X							
48	FL 48 @ 1'	C			X		7/19/23	9:34	X	X	X							
49	FL 49 @ 1'	C			X		7/19/23	9:36	X	X	X							
50	FL 50 @ 1'	C			X		7/19/23	9:38	X	X	X							

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Relinquished By:	Date: 7-20-23	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 0905		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: Email results to zach@etechenv.com	
	Time:			
Delivered By: (Circle One)		Sample Condition	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other: -1.6c	#140	Cool Intact	J.O.	
		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
		<input type="checkbox"/> Yes <input type="checkbox"/> No		

**RUSH**

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476





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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Company Name: Spur Energy Partners, LLC		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																				
Project Manager: Zach Conder		P.O. #:																						
Address: 3100 Plains Hwy		Company: Spur Energy Partners, LLC																						
City: Lovington State: NM Zip: 88260		Attn: Kathy Purvis																						
Phone #: 575-396-2378 Fax #: 575-396-1429		Address:																						
Project #: 18238 Project Owner: Spur Energy Partners, LLC		City:																						
Project Name: Riser 70 Main Line		State: Zip:																						
Project Location: UL/A Sec 20 T17S - R31E		Phone #:																						
Sampler Name: Miguel R.		Fax #:																						
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																
Lab I.D.	Sample I.D.	GRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	Chloride	TPH	BTEX 8021							
4233776																								
61	FL 61 @ 1'	C			X					X			7/19/23	10:00	X	X	X							
62	FL 62 @ 1'	C			X					X			7/19/23	10:02	X	X	X							
63	FL 63 @ 1'	C			X					X			7/19/23	10:04	X	X	X							
64	FL 64 @ 1'	C			X					X			7/19/23	10:06	X	X	X							
65	FL 65 @ 1'	C			X					X			7/19/23	10:08	X	X	X							
66	FL 66 @ 1'	C			X					X			7/19/23	10:10	X	X	X							
67	FL 67 @ 1'	C			X					X			7/19/23	10:12	X	X	X							
68	FL 68 @ 1'	C			X					X			7/19/23	10:14	X	X	X							
69	FL 69 @ 1'	C			X					X			7/19/23	10:16	X	X	X							
70	FL 70 @ 1'	C			X					X			7/19/23	10:18	X	X	X							

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Relinquished By: <i>[Signature]</i>	Date: 7-20-23	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 0905		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: Email results to zach@etechenv.com	
	Time:			
Delivered By: (Circle One)	#140	Sample Condition	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other: -1.6i		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No	40	

**RUSH**

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101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> Spur Energy Partners, LLC <b>Project Manager:</b> Zach Conder <b>Address:</b> 3100 Plains Hwy <b>City:</b> Lovington <b>State:</b> NM <b>Zip:</b> 88260 <b>Phone #:</b> 575-396-2378 <b>Fax #:</b> 575-396-1429 <b>Project #:</b> 18238 <b>Project Owner:</b> Spur Energy Partners, LLC <b>Project Name:</b> Riser 70 Main Line <b>Project Location:</b> UL/ A Sec 20 T17S - R31E <b>Sampler Name:</b> Miguel R.				<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> Spur Energy Partners, LLC <b>Attn:</b> Kathy Purvis <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>		<b>ANALYSIS REQUEST</b>																		
FOR LAB USE ONLY				MATRIX				PRESERV.		SAMPLING														
Lab I.D.	Sample I.D.	GRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH	BTEX 8021							
H233776																								
71	FL 71 @ 1'	C			X					X			7/19/23	10:20	X	X	X							
72	FL 72 @ 1'	C			X					X			7/19/23	10:22	X	X	X							
73	NW1	C			X					X			7/19/23	10:24	X	X	X							
74	NW2	C			X					X			7/19/23	10:26	X	X	X							
75	EW1	C			X					X			7/19/23	10:28	X	X	X							
76	EW2	C			X					X			7/19/23	10:30	X	X	X							
77	WW1	C			X					X			7/19/23	10:32	X	X	X							
78	WW2	C			X					X			7/19/23	10:34	X	X	X							

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<b>Relinquished By:</b>  <b>Date:</b> 7-20-23 <b>Time:</b> 0905		<b>Received By:</b>  <b>Date:</b> <b>Time:</b>		<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>REMARKS:</b> Email results to zach@etechenv.com		<b>Add'l Phone #:</b> <b>Add'l Fax #:</b>	
<b>Relinquished By:</b> Date: Time:				<b>Received By:</b> Date: Time:			
<b>Delivered By: (Circle One)</b> Sampler - UPS - Bus - Other: -1.6c #140				<b>Sample Condition</b> Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		<b>CHECKED BY:</b> (Initials) TO.	

RUSH



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

July 27, 2023

ZACH CONDER

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RISER 70 PIPE 03

Enclosed are the results of analyses for samples received by the laboratory on 07/26/23 12:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/26/2023	Sampling Date:	07/25/2023
Reported:	07/27/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL 71 @ 4FT (H233902-01)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2023	ND	1.95	97.7	2.00	4.75	
Toluene*	<0.050	0.050	07/26/2023	ND	1.88	93.9	2.00	5.79	
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	1.96	98.2	2.00	4.83	
Total Xylenes*	<0.150	0.150	07/26/2023	ND	5.88	98.0	6.00	5.18	
Total BTX	<0.300	0.300	07/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6800	16.0	07/26/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	174	86.8	200	10.2	
DRO >C10-C28*	28.3	10.0	07/26/2023	ND	187	93.7	200	4.37	
EXT DRO >C28-C36	11.7	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/26/2023	Sampling Date:	07/25/2023
Reported:	07/27/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL 72 @ 4FT (H233902-02)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/26/2023	ND	1.95	97.7	2.00	4.75		
Toluene*	<0.050	0.050	07/26/2023	ND	1.88	93.9	2.00	5.79		
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	1.96	98.2	2.00	4.83		
Total Xylenes*	<0.150	0.150	07/26/2023	ND	5.88	98.0	6.00	5.18		
Total BTEx	<0.300	0.300	07/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4930	16.0	07/26/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	174	86.8	200	10.2	
DRO >C10-C28*	27.6	10.0	07/26/2023	ND	187	93.7	200	4.37	
EXT DRO >C28-C36	22.4	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/26/2023  
 Reported: 07/27/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/25/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 73 @ 4FT (H233902-03)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2023	ND	1.95	97.7	2.00	4.75	
Toluene*	<0.050	0.050	07/26/2023	ND	1.88	93.9	2.00	5.79	
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	1.96	98.2	2.00	4.83	
Total Xylenes*	<0.150	0.150	07/26/2023	ND	5.88	98.0	6.00	5.18	
Total BTEx	<0.300	0.300	07/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	07/26/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	197	98.5	200	0.542	
DRO >C10-C28*	34.3	10.0	07/26/2023	ND	209	104	200	2.26	
EXT DRO >C28-C36	17.8	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/26/2023  
 Reported: 07/27/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/25/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 74 @ 4FT (H233902-04)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2023	ND	1.95	97.7	2.00	4.75	
Toluene*	<0.050	0.050	07/26/2023	ND	1.88	93.9	2.00	5.79	
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	1.96	98.2	2.00	4.83	
Total Xylenes*	<0.150	0.150	07/26/2023	ND	5.88	98.0	6.00	5.18	
Total BTEx	<0.300	0.300	07/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2360	16.0	07/26/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	197	98.5	200	0.542	
DRO >C10-C28*	14.3	10.0	07/26/2023	ND	209	104	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/26/2023	Sampling Date:	07/25/2023
Reported:	07/27/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL 75 @ 4FT (H233902-05)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/26/2023	ND	1.95	97.7	2.00	4.75		
Toluene*	<0.050	0.050	07/26/2023	ND	1.88	93.9	2.00	5.79		
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	1.96	98.2	2.00	4.83		
Total Xylenes*	<0.150	0.150	07/26/2023	ND	5.88	98.0	6.00	5.18		
Total BTEx	<0.300	0.300	07/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7600	16.0	07/26/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	13.4	10.0	07/26/2023	ND	197	98.5	200	0.542	
DRO >C10-C28*	672	10.0	07/26/2023	ND	209	104	200	2.26	
EXT DRO >C28-C36	189	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 149 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/26/2023	Sampling Date:	07/25/2023
Reported:	07/27/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL 76 @ 4FT (H233902-06)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/26/2023	ND	1.95	97.7	2.00	4.75		
Toluene*	<0.050	0.050	07/26/2023	ND	1.88	93.9	2.00	5.79		
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	1.96	98.2	2.00	4.83		
Total Xylenes*	<0.150	0.150	07/26/2023	ND	5.88	98.0	6.00	5.18		
Total BTEx	<0.300	0.300	07/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8200	16.0	07/26/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	14.7	10.0	07/26/2023	ND	197	98.5	200	0.542	
DRO >C10-C28*	773	10.0	07/26/2023	ND	209	104	200	2.26	
EXT DRO >C28-C36	232	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/26/2023  
 Reported: 07/27/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/25/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 77 @ 4FT (H233902-07)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2023	ND	1.95	97.7	2.00	4.75	
Toluene*	<0.050	0.050	07/26/2023	ND	1.88	93.9	2.00	5.79	
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	1.96	98.2	2.00	4.83	
Total Xylenes*	<0.150	0.150	07/26/2023	ND	5.88	98.0	6.00	5.18	
Total BTEx	<0.300	0.300	07/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5680	16.0	07/26/2023	ND	432	108	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	197	98.5	200	0.542	
DRO >C10-C28*	333	10.0	07/26/2023	ND	209	104	200	2.26	
EXT DRO >C28-C36	108	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/26/2023	Sampling Date:	07/25/2023
Reported:	07/27/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL 78 @ 4FT (H233902-08)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/26/2023	ND	1.95	97.7	2.00	4.75		
Toluene*	<0.050	0.050	07/26/2023	ND	1.88	93.9	2.00	5.79		
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	1.96	98.2	2.00	4.83		
Total Xylenes*	<0.150	0.150	07/26/2023	ND	5.88	98.0	6.00	5.18		
Total BTEx	<0.300	0.300	07/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5040	16.0	07/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	197	98.5	200	0.542	
DRO >C10-C28*	13.4	10.0	07/26/2023	ND	209	104	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/26/2023	Sampling Date:	07/25/2023
Reported:	07/27/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL 79 @ 4FT (H233902-09)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/26/2023	ND	1.95	97.7	2.00	4.75		
Toluene*	<0.050	0.050	07/26/2023	ND	1.88	93.9	2.00	5.79		
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	1.96	98.2	2.00	4.83		
Total Xylenes*	<0.150	0.150	07/26/2023	ND	5.88	98.0	6.00	5.18		
Total BTEx	<0.300	0.300	07/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3360	16.0	07/26/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	197	98.5	200	0.542	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	209	104	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/26/2023  
 Reported: 07/27/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/25/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EW #3 (H233902-10)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2023	ND	1.95	97.7	2.00	4.75	
Toluene*	<0.050	0.050	07/26/2023	ND	1.88	93.9	2.00	5.79	
Ethylbenzene*	<0.050	0.050	07/26/2023	ND	1.96	98.2	2.00	4.83	
Total Xylenes*	<0.150	0.150	07/26/2023	ND	5.88	98.0	6.00	5.18	
Total BTX	<0.300	0.300	07/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/26/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2023	ND	197	98.5	200	0.542	
DRO >C10-C28*	<10.0	10.0	07/26/2023	ND	209	104	200	2.26	
EXT DRO >C28-C36	<10.0	10.0	07/26/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager





# **CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

## **CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

<b>Company Name:</b> Etech Environmental & Safety Solutions, Inc. <b>Project Manager:</b> Zack <b>Address:</b> P.O. Box 301 <b>City:</b> Lovington <b>State:</b> NM <b>Zip:</b> 88260 <b>Phone #:</b> (575) 396-2378 <b>Fax #:</b> (575) 396-1429 <b>Project #:</b> 18238 <b>Project Owner:</b> <b>Project Name:</b> Riser 70 Pipe 03 <b>Project Location:</b> <b>Sampler Name:</b> Aaron Rios		<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> <i>Produce SPN Energy</i> <b>Attn:</b> Kathy Purnis <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>		<b>ANALYSIS REQUEST</b>															
<b>FOR LAB USE ONLY</b> <b>Lab I.D.</b> 4233902 <b>Sample I.D.</b>		<b>MATRIX</b> GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		<b>PRESERV.</b> ACID/BASE: ICE / COOL OTHER:		<b>SAMPLING</b> DATE TIME		Chloride TPH (8015M) BTEX (8021B)											
1 FL # 71. @ 4 Ft 2 FL # 72. @ 4 Ft 3 FL # 73. @ 4 Ft 4 FL # 74. @ 4 Ft 5 FL # 75. @ 4 Ft 6 FL # 76. @ 4 Ft 7 FL # 77. @ 4 Ft 8 FL # 78. @ 4 Ft 9 FL # 79. @ 4 Ft 10 Ew # 3.		(GRAB OR (COMP. # CONTAINERS X X X X X X X X X		X X X X X X X X X X		7-25-23 9:00 9:05 9:10 9:15 9:20 9:25 9:30 9:35 9:40 9:45		X X X X X X X X X X											
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.														<b>Relinquished By:</b> Aaron Rios <b>Date:</b> 7-26-23 <b>Time:</b> 1235 <b>Received By:</b> Tamara Alday <b>Date:</b> <b>Time:</b>		<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b> <b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Fax #:</b> <b>REMARKS:</b> Rush Please email results to pm@etechenv.com.			
<b>Delivered By: (Circle One)</b> Sampler <input checked="" type="radio"/> UPS <input type="radio"/> Bus <input type="radio"/> Other:		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		<b>CHECKED BY:</b> (Initials) 90.															

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

FORM-006  
Revision 1.0

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

September 06, 2023

ZACH CONDER

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RISER 70 PIPE 03

Enclosed are the results of analyses for samples received by the laboratory on 07/27/23 9:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at

[www.tceq.texas.gov/field/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: RISER 70 PIPE 03  
Project Number: 18238  
Project Manager: ZACH CONDER  
Fax To:

Reported:  
06-Sep-23 15:41

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL 80 @ 4FT	H233935-01	Soil	26-Jul-23 00:00	27-Jul-23 09:35
FL 81 @ 4FT	H233935-02	Soil	26-Jul-23 00:00	27-Jul-23 09:35
FL 82 @ 4FT	H233935-03	Soil	26-Jul-23 00:00	27-Jul-23 09:35
FL 83 @ 4FT	H233935-04	Soil	26-Jul-23 00:00	27-Jul-23 09:35
FL 84 @ 4FT	H233935-05	Soil	26-Jul-23 00:00	27-Jul-23 09:35
FL 85 @ 4FT	H233935-06	Soil	26-Jul-23 00:00	27-Jul-23 09:35
FL 86 @ 4FT	H233935-07	Soil	26-Jul-23 00:00	27-Jul-23 09:35
FL 87 @ 4FT	H233935-08	Soil	26-Jul-23 00:00	27-Jul-23 09:35
FL 88 @ 4FT	H233935-09	Soil	26-Jul-23 00:00	27-Jul-23 09:35
FL 89 @ 4FT	H233935-10	Soil	26-Jul-23 00:00	27-Jul-23 09:35
FL 90 @ 4FT	H233935-11	Soil	26-Jul-23 00:00	27-Jul-23 09:35
FL 91 @ 4FT	H233935-12	Soil	26-Jul-23 00:00	27-Jul-23 09:35
SW #1	H233935-13	Soil	26-Jul-23 00:00	27-Jul-23 09:35
WW #3	H233935-14	Soil	26-Jul-23 00:00	27-Jul-23 09:35
NW #5	H233935-15	Soil	26-Jul-23 00:00	27-Jul-23 09:35

09/06/23 - Client changed the sample ID of -15 (see COC). This is the revised report and will replace the one sent on 07/28/23.

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: RISER 70 PIPE 03  
Project Number: 18238  
Project Manager: ZACH CONDER  
Fax To:

Reported:  
06-Sep-23 15:41

**FL 80 @ 4FT**  
**H233935-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>1600</b>		16.0	mg/kg	4	3072746	AC	27-Jul-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3072723	MS	27-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134 3072723 MS 27-Jul-23 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	

Surrogate: 1-Chlorooctane 119 % 48.2-134 3072724 MS 27-Jul-23 8015B

Surrogate: 1-Chlorooctadecane 130 % 49.1-148 3072724 MS 27-Jul-23 8015B

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: RISER 70 PIPE 03  
Project Number: 18238  
Project Manager: ZACH CONDER  
Fax To:

Reported:  
06-Sep-23 15:41

**FL 81 @ 4FT****H233935-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	4640		16.0	mg/kg	4	3072746	AC	27-Jul-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3072723	MS	27-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			99.7 %		71.5-134	3072723	MS	27-Jul-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	

Surrogate: 1-Chlorooctane			112 %		48.2-134	3072724	MS	27-Jul-23	8015B	
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Surrogate: 1-Chlorooctadecane			123 %		49.1-148	3072724	MS	27-Jul-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: RISER 70 PIPE 03  
Project Number: 18238  
Project Manager: ZACH CONDER  
Fax To:

Reported:  
06-Sep-23 15:41

**FL 82 @ 4FT****H233935-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>2760</b>		16.0	mg/kg	4	3072746	AC	27-Jul-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3072723	MS	27-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	101 %	71.5-134	3072723	MS	27-Jul-23	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B
DRO >C10-C28*	78.4	10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B
EXT DRO >C28-C36	21.5	10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B

Surrogate: 1-Chlorooctane	112 %	48.2-134	3072724	MS	27-Jul-23	8015B
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Surrogate: 1-Chlorooctadecane	121 %	49.1-148	3072724	MS	27-Jul-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: RISER 70 PIPE 03  
Project Number: 18238  
Project Manager: ZACH CONDER  
Fax To:

Reported:  
06-Sep-23 15:41

**FL 83 @ 4FT****H233935-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>9300</b>		16.0	mg/kg	4	3072746	AC	27-Jul-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3072723	MS	27-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %		71.5-134	3072723	MS	27-Jul-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	
DRO >C10-C28*	<b>225</b>		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	
EXT DRO >C28-C36	<b>63.8</b>		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	

Surrogate: 1-Chlorooctane			102 %		48.2-134	3072724	MS	27-Jul-23	8015B	
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Surrogate: 1-Chlorooctadecane			118 %		49.1-148	3072724	MS	27-Jul-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: RISER 70 PIPE 03  
Project Number: 18238  
Project Manager: ZACH CONDER  
Fax To:

Reported:  
06-Sep-23 15:41

**FL 84 @ 4FT****H233935-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>6960</b>		16.0	mg/kg	4	3072746	AC	27-Jul-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3072723	MS	27-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134 3072723 MS 27-Jul-23 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	
<b>DRO &gt;C10-C28*</b>	<b>89.6</b>		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>32.2</b>		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	

Surrogate: 1-Chlorooctane 104 % 48.2-134 3072724 MS 27-Jul-23 8015B

Surrogate: 1-Chlorooctadecane 121 % 49.1-148 3072724 MS 27-Jul-23 8015B

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: RISER 70 PIPE 03  
Project Number: 18238  
Project Manager: ZACH CONDER  
Fax To:

Reported:  
06-Sep-23 15:41

**FL 85 @ 4FT****H233935-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>5440</b>		16.0	mg/kg	4	3072746	AC	27-Jul-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3072723	MS	27-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134 3072723 MS 27-Jul-23 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	
<b>DRO &gt;C10-C28*</b>	<b>104</b>		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	
<b>EXT DRO &gt;C28-C36</b>	<b>33.5</b>		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	

Surrogate: 1-Chlorooctane 106 % 48.2-134 3072724 MS 27-Jul-23 8015B

Surrogate: 1-Chlorooctadecane 119 % 49.1-148 3072724 MS 27-Jul-23 8015B

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: RISER 70 PIPE 03  
Project Number: 18238  
Project Manager: ZACH CONDER  
Fax To:

Reported:  
06-Sep-23 15:41

**FL 86 @ 4FT****H233935-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>2040</b>		16.0	mg/kg	4	3072746	AC	27-Jul-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3072723	MS	27-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	102 %	71.5-134	3072723	MS	27-Jul-23	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B

Surrogate: 1-Chlorooctane	107 %	48.2-134	3072724	MS	27-Jul-23	8015B
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Surrogate: 1-Chlorooctadecane	117 %	49.1-148	3072724	MS	27-Jul-23	8015B
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: RISER 70 PIPE 03  
Project Number: 18238  
Project Manager: ZACH CONDER  
Fax To:

Reported:  
06-Sep-23 15:41

**FL 87 @ 4FT****H233935-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>2680</b>		16.0	mg/kg	4	3072746	AC	27-Jul-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3072723	MS	27-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	100 %	71.5-134	3072723	MS	27-Jul-23	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B

Surrogate: 1-Chlorooctane	102 %	48.2-134	3072724	MS	27-Jul-23	8015B
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Surrogate: 1-Chlorooctadecane	112 %	49.1-148	3072724	MS	27-Jul-23	8015B
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Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: RISER 70 PIPE 03  
Project Number: 18238  
Project Manager: ZACH CONDER  
Fax To:

Reported:  
06-Sep-23 15:41

**FL 88 @ 4FT****H233935-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>2480</b>		16.0	mg/kg	4	3072746	AC	27-Jul-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Toluene*	<0.050	0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	3072723	MS	27-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	99.6 %	71.5-134	3072723	MS	27-Jul-23	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B

Surrogate: 1-Chlorooctane	101 %	48.2-134	3072724	MS	27-Jul-23	8015B
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Surrogate: 1-Chlorooctadecane	111 %	49.1-148	3072724	MS	27-Jul-23	8015B
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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: RISER 70 PIPE 03  
Project Number: 18238  
Project Manager: ZACH CONDER  
Fax To:

Reported:  
06-Sep-23 15:41

**FL 89 @ 4FT****H233935-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>1300</b>		16.0	mg/kg	4	3072746	AC	27-Jul-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3072723	MS	27-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	71.5-134		3072723	MS	27-Jul-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	

Surrogate: 1-Chlorooctane			105 %	48.2-134		3072724	MS	27-Jul-23	8015B	
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Surrogate: 1-Chlorooctadecane			116 %	49.1-148		3072724	MS	27-Jul-23	8015B	
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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: RISER 70 PIPE 03  
Project Number: 18238  
Project Manager: ZACH CONDER  
Fax To:

Reported:  
06-Sep-23 15:41

**FL 90 @ 4FT****H233935-11 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>3040</b>		16.0	mg/kg	4	3072746	AC	27-Jul-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B
Toluene*	<0.050	0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	3072723	MS	27-Jul-23	8021B
Total BTEX	<0.300	0.300	mg/kg	50	3072723	MS	27-Jul-23	8021B

Surrogate: 4-Bromofluorobenzene (PID)	101 %	71.5-134	3072723	MS	27-Jul-23	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B

Surrogate: 1-Chlorooctane	111 %	48.2-134	3072724	MS	27-Jul-23	8015B
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Surrogate: 1-Chlorooctadecane	121 %	49.1-148	3072724	MS	27-Jul-23	8015B
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: RISER 70 PIPE 03  
Project Number: 18238  
Project Manager: ZACH CONDER  
Fax To:

Reported:  
06-Sep-23 15:41

**FL 91 @ 4FT****H233935-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>1800</b>		16.0	mg/kg	4	3072746	AC	27-Jul-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3072723	MS	27-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %		71.5-134	3072723	MS	27-Jul-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	

Surrogate: 1-Chlorooctane			110 %		48.2-134	3072724	MS	27-Jul-23	8015B	
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Surrogate: 1-Chlorooctadecane			119 %		49.1-148	3072724	MS	27-Jul-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: RISER 70 PIPE 03  
Project Number: 18238  
Project Manager: ZACH CONDER  
Fax To:

Reported:  
06-Sep-23 15:41

**SW #1****H233935-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	80.0		16.0	mg/kg	4	3072747	AC	27-Jul-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3072723	MS	27-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %	71.5-134		3072723	MS	27-Jul-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	

Surrogate: 1-Chlorooctane			109 %	48.2-134		3072724	MS	27-Jul-23	8015B	
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Surrogate: 1-Chlorooctadecane			120 %	49.1-148		3072724	MS	27-Jul-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: RISER 70 PIPE 03  
Project Number: 18238  
Project Manager: ZACH CONDER  
Fax To:

Reported:  
06-Sep-23 15:41

**WW #3****H233935-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	176		16.0	mg/kg	4	3072747	AC	27-Jul-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3072723	MS	27-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %	71.5-134		3072723	MS	27-Jul-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	

Surrogate: 1-Chlorooctane			110 %	48.2-134		3072724	MS	27-Jul-23	8015B	
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Surrogate: 1-Chlorooctadecane			117 %	49.1-148		3072724	MS	27-Jul-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: RISER 70 PIPE 03  
Project Number: 18238  
Project Manager: ZACH CONDER  
Fax To:

Reported:  
06-Sep-23 15:41

**NW #5****H233935-15 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

Chloride	144		16.0	mg/kg	4	3072747	AC	27-Jul-23	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Toluene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	3072723	MS	27-Jul-23	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	3072723	MS	27-Jul-23	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			101 %		71.5-134	3072723	MS	27-Jul-23	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	

Surrogate: 1-Chlorooctane			104 %		48.2-134	3072724	MS	27-Jul-23	8015B	
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Surrogate: 1-Chlorooctadecane			112 %		49.1-148	3072724	MS	27-Jul-23	8015B	
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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: RISER 70 PIPE 03  
Project Number: 18238  
Project Manager: ZACH CONDER  
Fax To:

Reported:  
06-Sep-23 15:41

**Inorganic Compounds - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 3072746 - 1:4 DI Water****Blank (3072746-BLK1)**

Prepared: 27-Jul-23 Analyzed: 28-Jul-23

Chloride	ND	16.0	mg/kg							
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**LCS (3072746-BS1)**

Prepared: 27-Jul-23 Analyzed: 28-Jul-23

Chloride	432	16.0	mg/kg	400		108	80-120			
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**LCS Dup (3072746-BSD1)**

Prepared: 27-Jul-23 Analyzed: 28-Jul-23

Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20	
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**Batch 3072747 - 1:4 DI Water****Blank (3072747-BLK1)**

Prepared &amp; Analyzed: 27-Jul-23

Chloride	ND	16.0	mg/kg							
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**LCS (3072747-BS1)**

Prepared &amp; Analyzed: 27-Jul-23

Chloride	416	16.0	mg/kg	400		104	80-120			
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**LCS Dup (3072747-BSD1)**

Prepared &amp; Analyzed: 27-Jul-23

Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: RISER 70 PIPE 03  
Project Number: 18238  
Project Manager: ZACH CONDER  
Fax To:

Reported:  
06-Sep-23 15:41

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 3072723 - Volatiles****Blank (3072723-BLK1)**

Prepared: 27-Jul-23 Analyzed: 28-Jul-23

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0510		mg/kg	0.0500		102	71.5-134			

**LCS (3072723-BS1)**

Prepared &amp; Analyzed: 27-Jul-23

Benzene	2.15	0.050	mg/kg	2.00		108	82.8-130			
Toluene	2.12	0.050	mg/kg	2.00		106	86-128			
Ethylbenzene	2.03	0.050	mg/kg	2.00		101	85.9-128			
m,p-Xylene	4.10	0.100	mg/kg	4.00		102	89-129			
o-Xylene	1.99	0.050	mg/kg	2.00		99.3	86.1-125			
Total Xylenes	6.08	0.150	mg/kg	6.00		101	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0478		mg/kg	0.0500		95.7	71.5-134			

**LCS Dup (3072723-BSD1)**

Prepared &amp; Analyzed: 27-Jul-23

Benzene	2.15	0.050	mg/kg	2.00		108	82.8-130	0.182	15.8	
Toluene	2.11	0.050	mg/kg	2.00		106	86-128	0.252	15.9	
Ethylbenzene	2.02	0.050	mg/kg	2.00		101	85.9-128	0.389	16	
m,p-Xylene	4.09	0.100	mg/kg	4.00		102	89-129	0.0777	16.2	
o-Xylene	1.99	0.050	mg/kg	2.00		99.3	86.1-125	0.0202	16.7	
Total Xylenes	6.08	0.150	mg/kg	6.00		101	88.2-128	0.0457	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0482		mg/kg	0.0500		96.4	71.5-134			

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
2617 W MARLAND  
HOBBS NM, 88240

Project: RISER 70 PIPE 03  
Project Number: 18238  
Project Manager: ZACH CONDER  
Fax To:

Reported:  
06-Sep-23 15:41

**Petroleum Hydrocarbons by GC FID - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

**Batch 3072724 - General Prep - Organics****Blank (3072724-BLK1)**

Prepared &amp; Analyzed: 27-Jul-23

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	51.7		mg/kg	50.0		103	48.2-134			
Surrogate: 1-Chlorooctadecane	57.5		mg/kg	50.0		115	49.1-148			

**LCS (3072724-BS1)**

Prepared &amp; Analyzed: 27-Jul-23

GRO C6-C10	188	10.0	mg/kg	200		93.9	66.4-123			
DRO >C10-C28	199	10.0	mg/kg	200		99.6	66.5-118			
Total TPH C6-C28	387	10.0	mg/kg	400		96.8	77.6-123			
Surrogate: 1-Chlorooctane	55.2		mg/kg	50.0		110	48.2-134			
Surrogate: 1-Chlorooctadecane	57.6		mg/kg	50.0		115	49.1-148			

**LCS Dup (3072724-BSD1)**

Prepared &amp; Analyzed: 27-Jul-23

GRO C6-C10	187	10.0	mg/kg	200		93.5	66.4-123	0.505	17.7	
DRO >C10-C28	199	10.0	mg/kg	200		99.4	66.5-118	0.197	21	
Total TPH C6-C28	386	10.0	mg/kg	400		96.4	77.6-123	0.346	18.5	
Surrogate: 1-Chlorooctane	58.2		mg/kg	50.0		116	48.2-134			
Surrogate: 1-Chlorooctadecane	61.1		mg/kg	50.0		122	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager



---

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



**ARDINAL LABORATORIES**  
101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**ANALYSIS REQUEST**

**BILL TO**

P.O. #:

Company

Attn:

Address:

City:

State:

Zip:

Phone #:

Fax #:

Project Manager:

Address:

City:

State:

Zip:

Phone #:

Fax #:

Project Owner:

Project Name:

Project Location:

Sample Name:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

4233935

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

Chloride

TPH (8015M)

BTEX (8021B)

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Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition

CHECKED BY: (Initials)

Phone Result:

Fax Result:

REMARKS:

Yes

No

Add'l Phone #:

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**CARDINAL LABORATORIES**  
101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**ANALYSIS REQUEST**

**BILL TO**

Company Name: Etech Environmental & Safety Solutions, Inc.

Project Manager: Zach Conder

Address: 2617 W Marland

City: Hobbs State: NM Zip: 88240

Phone #: (575) 264-9884 Fax #:

Project #: 18238 Project Owner: Spur Energy Partners

Project Name: Riser 70 Pipe 03

Project Location: Rural Eddy County, NM

Sampler Name: Aaron Rios

FOR LAB USE ONLY

P.O. #:

Company: Spur Energy Partners

Attn: Kathy Purvis

Address:

City:

State: NM Zip:

Phone #:

Fax #:

PRESERV

SAMPLING

Chloride

TPH (8015M)

BTEX (8021B)

Lab I.D.

Sample I.D.

4233935

LAB OR (C) OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

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\*See attached

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Relinquished By:

Date:

Received By:

Relinquished By:

Date:

Received By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition

CHECKED BY: (Initials)

Cool, Intact

Yes

No

Yes

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FORM-006

Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

REMARKS: Customer requested sample ID change. Reassigned 9/18/23  
**RUSH SAMPLES**  
Please email results and copy of CoC to pm@etechenv.com.



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 02, 2023

ZACH CONDER

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RISER 70 PIPE 03

Enclosed are the results of analyses for samples received by the laboratory on 08/01/23 8:53.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/01/2023	Sampling Date:	07/31/2023
Reported:	08/02/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Shalyn Rodriguez
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: NW # 12 (H234031-01)**

BTEX 8260B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.56	
Toluene*	<0.025	0.025	08/01/2023	ND	2.14	107	2.00	1.70	
Ethylbenzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.65	
Total Xylenes*	<0.075	0.075	08/01/2023	ND	7.10	118	6.00	3.85	
Total BTEX	<0.150	0.150	08/01/2023	ND					

Surrogate: Dibromofluoromethane 97.0 % 86.7-111

Surrogate: Toluene-d8 102 % 89.3-110

Surrogate: 4-Bromofluorobenzene 106 % 88.2-108

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/01/2023	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	205	103	200	2.90	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	216	108	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NW # 13 (H234031-02)**

BTEx 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.56		
Toluene*	<0.025	0.025	08/01/2023	ND	2.14	107	2.00	1.70		
Ethylbenzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.65		
Total Xylenes*	<0.075	0.075	08/01/2023	ND	7.10	118	6.00	3.85		
Total BTEx	<0.150	0.150	08/01/2023	ND						

Surrogate: Dibromofluoromethane 96.9 % 86.7-111

Surrogate: Toluene-d8 102 % 89.3-110

Surrogate: 4-Bromofluorobenzene 105 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/01/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	205	103	200	2.90	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	216	108	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 124 @ 4FT (H234031-03)**

BTEx 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.56		
Toluene*	<0.025	0.025	08/01/2023	ND	2.14	107	2.00	1.70		
Ethylbenzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.65		
Total Xylenes*	<0.075	0.075	08/01/2023	ND	7.10	118	6.00	3.85		
Total BTEx	<0.150	0.150	08/01/2023	ND						

Surrogate: Dibromofluoromethane 98.2 % 86.7-111  
 Surrogate: Toluene-d8 101 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 105 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	08/01/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	205	103	200	2.90	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	216	108	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 110 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 125 @ 4FT (H234031-04)**

BTX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.56		
Toluene*	<0.025	0.025	08/01/2023	ND	2.14	107	2.00	1.70		
Ethylbenzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.65		
Total Xylenes*	<0.075	0.075	08/01/2023	ND	7.10	118	6.00	3.85		
Total BTX	<0.150	0.150	08/01/2023	ND						

Surrogate: Dibromofluoromethane 95.4 % 86.7-111  
 Surrogate: Toluene-d8 101 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 103 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1170	16.0	08/01/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 126 @ 4FT (H234031-05)**

BTEx 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.56		
Toluene*	<0.025	0.025	08/01/2023	ND	2.14	107	2.00	1.70		
Ethylbenzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.65		
Total Xylenes*	<0.075	0.075	08/01/2023	ND	7.10	118	6.00	3.85		
Total BTEx	<0.150	0.150	08/01/2023	ND						

Surrogate: Dibromofluoromethane 97.6 % 86.7-111  
 Surrogate: Toluene-d8 102 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 105 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	08/01/2023	ND	416	104	400	3.77		
TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	205	102	200	4.87		
DRO >C10-C28*	29.0	10.0	08/01/2023	ND	220	110	200	6.05		
EXT DRO >C28-C36	36.8	10.0	08/01/2023	ND						

Surrogate: 1-Chlorooctane 118 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 127 @ 4FT (H234031-06)**

BTEx 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.56		
Toluene*	<0.025	0.025	08/01/2023	ND	2.14	107	2.00	1.70		
Ethylbenzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.65		
Total Xylenes*	<0.075	0.075	08/01/2023	ND	7.10	118	6.00	3.85		
Total BTEx	<0.150	0.150	08/01/2023	ND						

Surrogate: Dibromofluoromethane 97.0 % 86.7-111  
 Surrogate: Toluene-d8 101 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 107 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	08/01/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 128 @ 4FT (H234031-07)**

BTX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.56		
Toluene*	<0.025	0.025	08/01/2023	ND	2.14	107	2.00	1.70		
Ethylbenzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.65		
Total Xylenes*	<0.075	0.075	08/01/2023	ND	7.10	118	6.00	3.85		
Total BTX	<0.150	0.150	08/01/2023	ND						

Surrogate: Dibromofluoromethane 98.5 % 86.7-111  
 Surrogate: Toluene-d8 101 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 107 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	08/01/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 129 @ 4FT (H234031-08)**

BTX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.56		
Toluene*	<0.025	0.025	08/01/2023	ND	2.14	107	2.00	1.70		
Ethylbenzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.65		
Total Xylenes*	<0.075	0.075	08/01/2023	ND	7.10	118	6.00	3.85		
Total BTX	<0.150	0.150	08/01/2023	ND						

Surrogate: Dibromofluoromethane 97.4 % 86.7-111  
 Surrogate: Toluene-d8 101 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 104 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	08/01/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 130 @ 4FT (H234031-09)**

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.56	
Toluene*	<0.025	0.025	08/01/2023	ND	2.14	107	2.00	1.70	
Ethylbenzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.65	
Total Xylenes*	<0.075	0.075	08/01/2023	ND	7.10	118	6.00	3.85	
Total BTX	<0.150	0.150	08/01/2023	ND					

Surrogate: Dibromofluoromethane 96.5 % 86.7-111  
 Surrogate: Toluene-d8 102 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 106 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/01/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 131 @ 4FT (H234031-10)**

BTX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.56		
Toluene*	<0.025	0.025	08/01/2023	ND	2.14	107	2.00	1.70		
Ethylbenzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.65		
Total Xylenes*	<0.075	0.075	08/01/2023	ND	7.10	118	6.00	3.85		
Total BTX	<0.150	0.150	08/01/2023	ND						

Surrogate: Dibromofluoromethane 96.8 % 86.7-111  
 Surrogate: Toluene-d8 101 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 106 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	08/01/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 114 @ 4FT (H234031-11)**

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.56	
Toluene*	<0.025	0.025	08/01/2023	ND	2.14	107	2.00	1.70	
Ethylbenzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.65	
Total Xylenes*	<0.075	0.075	08/01/2023	ND	7.10	118	6.00	3.85	
Total BTX	<0.150	0.150	08/01/2023	ND					

Surrogate: Dibromofluoromethane 96.0 % 86.7-111

Surrogate: Toluene-d8 101 % 89.3-110

Surrogate: 4-Bromofluorobenzene 104 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	08/01/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 115 @ 4FT (H234031-12)**

BTX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.56		
Toluene*	<0.025	0.025	08/01/2023	ND	2.14	107	2.00	1.70		
Ethylbenzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.65		
Total Xylenes*	<0.075	0.075	08/01/2023	ND	7.10	118	6.00	3.85		
Total BTX	<0.150	0.150	08/01/2023	ND						

Surrogate: Dibromofluoromethane 95.3 % 86.7-111  
 Surrogate: Toluene-d8 101 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 104 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	08/01/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 132 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 116 @ 4FT (H234031-13)**

BTEx 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.56	
Toluene*	<0.025	0.025	08/01/2023	ND	2.14	107	2.00	1.70	
Ethylbenzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.65	
Total Xylenes*	<0.075	0.075	08/01/2023	ND	7.10	118	6.00	3.85	
Total BTEx	<0.150	0.150	08/01/2023	ND					

Surrogate: Dibromofluoromethane 96.3 % 86.7-111  
 Surrogate: Toluene-d8 101 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 105 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2880	16.0	08/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 117 @ 4FT (H234031-14)**

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.56	
Toluene*	<0.025	0.025	08/01/2023	ND	2.14	107	2.00	1.70	
Ethylbenzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.65	
Total Xylenes*	<0.075	0.075	08/01/2023	ND	7.10	118	6.00	3.85	
Total BTX	<0.150	0.150	08/01/2023	ND					

Surrogate: Dibromofluoromethane 96.1 % 86.7-111  
 Surrogate: Toluene-d8 101 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 105 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	08/01/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 118 @ 4FT (H234031-15)**

BTX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.56		
Toluene*	<0.025	0.025	08/01/2023	ND	2.14	107	2.00	1.70		
Ethylbenzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.65		
Total Xylenes*	<0.075	0.075	08/01/2023	ND	7.10	118	6.00	3.85		
Total BTX	<0.150	0.150	08/01/2023	ND						

Surrogate: Dibromofluoromethane 95.8 % 86.7-111  
 Surrogate: Toluene-d8 102 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 104 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1100	16.0	08/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 119 @ 4FT (H234031-16)**

BTX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.56		
Toluene*	<0.025	0.025	08/01/2023	ND	2.14	107	2.00	1.70		
Ethylbenzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.65		
Total Xylenes*	<0.075	0.075	08/01/2023	ND	7.10	118	6.00	3.85		
Total BTX	<0.150	0.150	08/01/2023	ND						

Surrogate: Dibromofluoromethane 95.9 % 86.7-111

Surrogate: Toluene-d8 101 % 89.3-110

Surrogate: 4-Bromofluorobenzene 103 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	08/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 120 @ 4FT (H234031-17)**

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.56	
Toluene*	<0.025	0.025	08/01/2023	ND	2.14	107	2.00	1.70	
Ethylbenzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.65	
Total Xylenes*	<0.075	0.075	08/01/2023	ND	7.10	118	6.00	3.85	
Total BTX	<0.150	0.150	08/01/2023	ND					

Surrogate: Dibromofluoromethane 97.5 % 86.7-111  
 Surrogate: Toluene-d8 101 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 106 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3640	16.0	08/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 121 @ 4FT (H234031-18)**

BTX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.56		
Toluene*	<0.025	0.025	08/01/2023	ND	2.14	107	2.00	1.70		
Ethylbenzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.65		
Total Xylenes*	<0.075	0.075	08/01/2023	ND	7.10	118	6.00	3.85		
Total BTX	<0.150	0.150	08/01/2023	ND						

Surrogate: Dibromofluoromethane 95.3 % 86.7-111  
 Surrogate: Toluene-d8 100 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 105 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	08/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
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 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 122 @ 4FT (H234031-19)**

BTEx 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.56	
Toluene*	<0.025	0.025	08/01/2023	ND	2.14	107	2.00	1.70	
Ethylbenzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.65	
Total Xylenes*	<0.075	0.075	08/01/2023	ND	7.10	118	6.00	3.85	
Total BTEx	<0.150	0.150	08/01/2023	ND					

Surrogate: Dibromofluoromethane 96.3 % 86.7-111  
 Surrogate: Toluene-d8 101 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 108 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1800	16.0	08/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL # 123 @ 4FT (H234031-20)**

BTX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.56		
Toluene*	<0.025	0.025	08/01/2023	ND	2.14	107	2.00	1.70		
Ethylbenzene*	<0.025	0.025	08/01/2023	ND	2.18	109	2.00	2.65		
Total Xylenes*	<0.075	0.075	08/01/2023	ND	7.10	118	6.00	3.85		
Total BTX	<0.150	0.150	08/01/2023	ND						

Surrogate: Dibromofluoromethane 97.2 % 86.7-111  
 Surrogate: Toluene-d8 101 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 106 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	976	16.0	08/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW # 8 (H234031-21)**

BTEx 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	08/02/2023	ND	2.14	107	2.00	1.73	
Toluene*	<0.025	0.025	08/02/2023	ND	2.12	106	2.00	2.55	
Ethylbenzene*	<0.025	0.025	08/02/2023	ND	2.16	108	2.00	3.00	
Total Xylenes*	<0.075	0.075	08/02/2023	ND	7.02	117	6.00	3.57	
Total BTEX	<0.150	0.150	08/02/2023	ND					

Surrogate: Dibromofluoromethane 95.8 % 86.7-111

Surrogate: Toluene-d8 101 % 89.3-110

Surrogate: 4-Bromofluorobenzene 106 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/01/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW # 9 (H234031-22)**

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	08/02/2023	ND	2.14	107	2.00	1.73	
Toluene*	<0.025	0.025	08/02/2023	ND	2.12	106	2.00	2.55	
Ethylbenzene*	<0.025	0.025	08/02/2023	ND	2.16	108	2.00	3.00	
Total Xylenes*	<0.075	0.075	08/02/2023	ND	7.02	117	6.00	3.57	
Total BTX	<0.150	0.150	08/02/2023	ND					

Surrogate: Dibromofluoromethane 97.0 % 86.7-111  
 Surrogate: Toluene-d8 100 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 105 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW # 10 (H234031-23)**

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	08/02/2023	ND	2.14	107	2.00	1.73	
Toluene*	<0.025	0.025	08/02/2023	ND	2.12	106	2.00	2.55	
Ethylbenzene*	<0.025	0.025	08/02/2023	ND	2.16	108	2.00	3.00	
Total Xylenes*	<0.075	0.075	08/02/2023	ND	7.02	117	6.00	3.57	
Total BTX	<0.150	0.150	08/02/2023	ND					

Surrogate: Dibromofluoromethane 96.9 % 86.7-111  
 Surrogate: Toluene-d8 101 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 106 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	08/01/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	205	102	200	4.87	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	220	110	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW # 11 (H234031-24)**

BTEx 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	08/02/2023	ND	2.14	107	2.00	1.73	
Toluene*	<0.025	0.025	08/02/2023	ND	2.12	106	2.00	2.55	
Ethylbenzene*	<0.025	0.025	08/02/2023	ND	2.16	108	2.00	3.00	
Total Xylenes*	<0.075	0.075	08/02/2023	ND	7.02	117	6.00	3.57	
Total BTEX	<0.150	0.150	08/02/2023	ND					

Surrogate: Dibromofluoromethane 97.6 % 86.7-111

Surrogate: Toluene-d8 101 % 89.3-110

Surrogate: 4-Bromofluorobenzene 107 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/01/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	203	101	200	1.88	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	203	102	200	3.50	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NW # 8 (H234031-25)**

BTEx 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	08/02/2023	ND	2.14	107	2.00	1.73	
Toluene*	<0.025	0.025	08/02/2023	ND	2.12	106	2.00	2.55	
Ethylbenzene*	<0.025	0.025	08/02/2023	ND	2.16	108	2.00	3.00	
Total Xylenes*	<0.075	0.075	08/02/2023	ND	7.02	117	6.00	3.57	
Total BTEx	<0.150	0.150	08/02/2023	ND					

Surrogate: Dibromofluoromethane 97.3 % 86.7-111  
 Surrogate: Toluene-d8 101 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 106 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/01/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	203	101	200	1.88	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	203	102	200	3.50	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NW # 9 (H234031-26)**

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	08/02/2023	ND	2.14	107	2.00	1.73	
Toluene*	<0.025	0.025	08/02/2023	ND	2.12	106	2.00	2.55	
Ethylbenzene*	<0.025	0.025	08/02/2023	ND	2.16	108	2.00	3.00	
Total Xylenes*	<0.075	0.075	08/02/2023	ND	7.02	117	6.00	3.57	
Total BTX	<0.150	0.150	08/02/2023	ND					

Surrogate: Dibromofluoromethane 96.7 % 86.7-111  
 Surrogate: Toluene-d8 101 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 107 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/01/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	203	101	200	1.88	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	203	102	200	3.50	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NW # 10 (H234031-27)**

BTEx 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	08/02/2023	ND	2.14	107	2.00	1.73	
Toluene*	<0.025	0.025	08/02/2023	ND	2.12	106	2.00	2.55	
Ethylbenzene*	<0.025	0.025	08/02/2023	ND	2.16	108	2.00	3.00	
Total Xylenes*	<0.075	0.075	08/02/2023	ND	7.02	117	6.00	3.57	
Total BTEX	<0.150	0.150	08/02/2023	ND					

Surrogate: Dibromofluoromethane 96.9 % 86.7-111  
 Surrogate: Toluene-d8 101 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 107 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/01/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	203	101	200	1.88	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	203	102	200	3.50	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: NW # 11 (H234031-28)**

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	08/02/2023	ND	2.14	107	2.00	1.73	
Toluene*	<0.025	0.025	08/02/2023	ND	2.12	106	2.00	2.55	
Ethylbenzene*	<0.025	0.025	08/02/2023	ND	2.16	108	2.00	3.00	
Total Xylenes*	<0.075	0.075	08/02/2023	ND	7.02	117	6.00	3.57	
Total BTX	<0.150	0.150	08/02/2023	ND					

Surrogate: Dibromofluoromethane 97.6 % 86.7-111  
 Surrogate: Toluene-d8 98.3 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 105 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	08/01/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	203	101	200	1.88	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	203	102	200	3.50	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 117 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW # 12 (H234031-29)**

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	08/02/2023	ND	2.14	107	2.00	1.73	
Toluene*	<0.025	0.025	08/02/2023	ND	2.12	106	2.00	2.55	
Ethylbenzene*	<0.025	0.025	08/02/2023	ND	2.16	108	2.00	3.00	
Total Xylenes*	<0.075	0.075	08/02/2023	ND	7.02	117	6.00	3.57	
Total BTX	<0.150	0.150	08/02/2023	ND					

Surrogate: Dibromofluoromethane 97.3 % 86.7-111  
 Surrogate: Toluene-d8 102 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 107 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	08/01/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	203	101	200	1.88	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	203	102	200	3.50	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/01/2023  
 Reported: 08/02/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/31/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SW # 13 (H234031-30)**

BTX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	08/02/2023	ND	2.14	107	2.00	1.73	
Toluene*	<0.025	0.025	08/02/2023	ND	2.12	106	2.00	2.55	
Ethylbenzene*	<0.025	0.025	08/02/2023	ND	2.16	108	2.00	3.00	
Total Xylenes*	<0.075	0.075	08/02/2023	ND	7.02	117	6.00	3.57	
Total BTX	<0.150	0.150	08/02/2023	ND					

Surrogate: Dibromofluoromethane 94.6 % 86.7-111  
 Surrogate: Toluene-d8 102 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 108 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/01/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2023	ND	203	101	200	1.88	
DRO >C10-C28*	<10.0	10.0	08/01/2023	ND	203	102	200	3.50	
EXT DRO >C28-C36	<10.0	10.0	08/01/2023	ND					

Surrogate: 1-Chlorooctane 137 % 48.2-134  
 Surrogate: 1-Chlorooctadecane 148 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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---

### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager





**CARDINAL LABORATORIES**  
101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

1/3

<b>Company Name:</b> Etech Environmental & Safety Solutions, Inc. <b>Project Manager:</b> Zack <b>Address:</b> P.O. Box 301 <b>City:</b> Lovington <b>State:</b> NM <b>Zip:</b> 88260 <b>Phone #:</b> (575) 396-2378 <b>Fax #:</b> (575) 396-1429 <b>Project #:</b> 18238 <b>Project Owner:</b> <b>Project Name:</b> Riser 70 Pipe 03 <b>Project Location:</b> Rural Lea Co, NM <b>Sampler Name:</b> Aaron Pios				<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> SPB Energy LLC. <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>				<b>ANALYSIS REQUEST</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th rowspan="2"></th> <th rowspan="2">Chloride</th> <th rowspan="2">TPH (8015M)</th> <th rowspan="2">BTEX (8021B)</th> <th colspan="10"></th> </tr> <tr> <th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th> </tr> </table>													Chloride	TPH (8015M)	BTEX (8021B)																				
	Chloride	TPH (8015M)	BTEX (8021B)																																								
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																																			
Lab I.D.	Sample I.D.			(G/RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME																											
H234031				X				X					X				X	X	X																								
	1 NW#12.																																										
	2 NW#13.																																										
	3 FL # 124 @ 4Ft																																										
	4 FL # 125 @ 4Ft																																										
	5 FL # 126 @ 4Ft																																										
	6 FL # 127 @ 4Ft																																										
	7 FL # 128 @ 4Ft																																										
	8 FL # 129 @ 4Ft																																										
	9 FL # 130 @ 4Ft																																										
	10 FL # 131 @ 4Ft																																										

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<b>Relinquished By:</b> Aaron Pios <b>Date:</b> 1-23 <b>Time:</b> 0853 <b>Relinquished By:</b> <b>Date:</b> <b>Time:</b>		<b>Received By:</b> S. Rodriguez <b>Date:</b> <b>Time:</b>		<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b> <b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Fax #:</b> <b>REMARKS:</b> Rush Please email results to pm@etechenv.com.	
--	--	---	--	---	--

<b>Delivered By: (Circle One)</b> Sampler - UPS - Bus - Other: - 4.2c FORM-006 Revision 1.0		<b>Sample Condition</b> Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>CHECKED BY:</b> (Initials) SR	
--	--	---	--	--	--

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# **CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

## **CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

2/3

Company Name: Etech Environmental & Safety Solutions, Inc.

Project Manager: Zack

Address: P.O. Box 301

City: Lovington

State: NM Zip: 88260

Phone #: (575) 396-2378

Fax #: (575) 396-1429

Project #: 18238

Project Owner:

Project Name: Riser 70 pipe 03

Project Location: Rural Lea Co., NM

Sampler Name: Aaron Kios

### **BILL TO**

P.O. #:

Company: SPur Energy LLC

Attn:

Address:

City:

State:

Zip:

Phone #:

Fax #:

### **ANALYSIS REQUEST**

Chloride

TPH (8015M)

BTEX (8021B)

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H234031

MATRIX	PRESERV	SAMPLING	DATE	TIME
GROUNDWATER				
WASTEWATER				
SOIL				
OIL				
SLUDGE				
OTHER				
ACID/BASE				
ICE / COOL				
OTHER				

11	FL # 114	Ⓢ	4 Ft
12	FL # 115	Ⓢ	4 Ft
13	FL # 116	Ⓢ	4 Ft
14	FL # 117	Ⓢ	4 Ft
15	FL # 118	Ⓢ	4 Ft
16	FL # 119	Ⓢ	4 Ft
17	FL # 120	Ⓢ	4 Ft
18	FL # 121	Ⓢ	4 Ft
19	FL # 122	Ⓢ	4 Ft
20	FL # 123	Ⓢ	4 Ft

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER

ACID/BASE

ICE / COOL

OTHER

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Relinquished By:

Aaron Kios

Relinquished By:

Date: 8/23

Time: 0853

Date:

Time:

Received By:

Spodkiewicz

Received By:

Phone Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

Add'l Phone #:

Add'l Fax #:

REMARKS:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

-42: #140

Sample Condition  
Cool Intact  
☒ Yes ☐ No  
☐ Yes ☐ No

CHECKED BY:  
(Initials)

8/2

Please email results to pm@etechenv.com.

FORM-006  
Revision 1.0

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# **CARDINAL LABORATORIES**

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(575) 393-2326 FAX (575) 393-2476

## **CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

3/3

Company Name: Etech Environmental & Safety Solutions, Inc.

Project Manager: Zack

Address: P.O. Box 301

City: Lovington

State: NM Zip: 88260

Phone #: (575) 396-2378

Fax #: (575) 396-1429

Project #: 18238

Project Owner:

Project Name: Riser 70 PPE 03

Project Location: Rural Lea Co., NM

Sampler Name: Aaron Rios

### **BILL TO**

P.O. #:

Company: SPur Energy LLC

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

### **ANALYSIS REQUEST**

Chloride

TPH (8015M)

BTEX (8021B)

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H234031

MATRIX	PRESERV.	SAMPLING	DATE	TIME
GROUNDWATER				
WASTEWATER				
SOIL				
OIL				
SLUDGE				
OTHER				
ACID/BASE				
ICE / COOL				
OTHER				

- 21 SW # 8.
- 22 SW # 9.
- 23 SW # 10.
- 24 SW # 11.
- 25 NW # 8.
- 26 NW # 9.
- 27 NW # 10.
- 28 NW # 11.
- 29 SW # 12.
- 30 SW # 13.

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Relinquished By:

Aaron Rios

Relinquished By:

Date: 8-12-23

Time: 8:53

Date:

Time:

Received By:

8 Rodriguez

Received By:

Phone Result:

☐ Yes ☐ No

Add'l Phone #:

Fax Result:

☐ Yes ☐ No

Add'l Fax #:

REMARKS:

Please email results to pm@etechenv.com.

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

-42: #140

Sample Condition  
Cool Intact  
☒ Yes ☐ No  
☐ Yes ☐ No

CHECKED BY:  
(Initials)

82

FORM-006

Revision 1.0

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 03, 2023

ZACH CONDER

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RISER 70 PIPE 03

Enclosed are the results of analyses for samples received by the laboratory on 08/02/23 11:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 132 @ 4FT (H234074-01)**

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2023	ND	2.20	110	2.00	1.44	
Toluene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	2.12	
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	1.92	
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.15	102	6.00	1.63	
Total BTEX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	08/03/2023	ND	416	104	400	3.77	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	184	92.0	200	1.78	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	184	91.9	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 133 @ 4FT (H234074-02)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.20	110	2.00	1.44		
Toluene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	2.12		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	1.92		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.15	102	6.00	1.63		
Total BTEx	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	08/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	184	92.0	200	1.78	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	184	91.9	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 134 @ 4FT (H234074-03)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.20	110	2.00	1.44		
Toluene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	2.12		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	1.92		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.15	102	6.00	1.63		
Total BTEx	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	752	16.0	08/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	184	92.0	200	1.78	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	184	91.9	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 135 @ 4FT (H234074-04)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.20	110	2.00	1.44		
Toluene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	2.12		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	1.92		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.15	102	6.00	1.63		
Total BTEX	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1020	16.0	08/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	184	92.0	200	1.78	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	184	91.9	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/02/2023  
 Reported: 08/03/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL # 136 @ 4FT (H234074-05)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.20	110	2.00	1.44		
Toluene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	2.12		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	1.92		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.15	102	6.00	1.63		
Total BTEx	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4000	16.0	08/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	184	92.0	200	1.78	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	184	91.9	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 137 @ 4FT (H234074-06)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.20	110	2.00	1.44		
Toluene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	2.12		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	1.92		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.15	102	6.00	1.63		
Total BTEX	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	08/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	184	92.0	200	1.78	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	184	91.9	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 138 @ 4FT (H234074-07)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.20	110	2.00	1.44		
Toluene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	2.12		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	1.92		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.15	102	6.00	1.63		
Total BTEX	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1740	16.0	08/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	184	92.0	200	1.78	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	184	91.9	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 139 @ 4FT (H234074-08)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/02/2023	ND	2.20	110	2.00	1.44		
Toluene*	<0.050	0.050	08/02/2023	ND	2.15	108	2.00	2.12		
Ethylbenzene*	<0.050	0.050	08/02/2023	ND	2.05	103	2.00	1.92		
Total Xylenes*	<0.150	0.150	08/02/2023	ND	6.15	102	6.00	1.63		
Total BTEX	<0.300	0.300	08/02/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600	16.0	08/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	184	92.0	200	1.78	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	184	91.9	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 140 @ 4FT (H234074-09)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.23	112	2.00	1.94		
Toluene*	<0.050	0.050	08/03/2023	ND	2.17	109	2.00	3.63		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.64		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.32	105	6.00	3.73		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	08/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	184	92.0	200	1.78	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	184	91.9	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 141 @ 4FT (H234074-10)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.23	112	2.00	1.94		
Toluene*	<0.050	0.050	08/03/2023	ND	2.17	109	2.00	3.63		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.64		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.32	105	6.00	3.73		
Total BTX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1360	16.0	08/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	184	92.0	200	1.78	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	184	91.9	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 142 @ 4FT (H234074-11)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.23	112	2.00	1.94		
Toluene*	<0.050	0.050	08/03/2023	ND	2.17	109	2.00	3.63		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.64		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.32	105	6.00	3.73		
Total BTX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1760	16.0	08/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	184	92.0	200	1.78	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	184	91.9	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 143 @ 4FT (H234074-12)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.23	112	2.00	1.94		
Toluene*	<0.050	0.050	08/03/2023	ND	2.17	109	2.00	3.63		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.64		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.32	105	6.00	3.73		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	08/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	184	92.0	200	1.78	
DRO >C10-C28*	94.2	10.0	08/03/2023	ND	184	91.9	200	6.33	
EXT DRO >C28-C36	37.1	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 144 @ 4FT (H234074-13)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.23	112	2.00	1.94		
Toluene*	<0.050	0.050	08/03/2023	ND	2.17	109	2.00	3.63		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.64		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.32	105	6.00	3.73		
Total BTX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	184	92.0	200	1.78	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	184	91.9	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 145 @ 4FT (H234074-14)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.23	112	2.00	1.94		
Toluene*	<0.050	0.050	08/03/2023	ND	2.17	109	2.00	3.63		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.64		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.32	105	6.00	3.73		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1140	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	184	92.0	200	1.78	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	184	91.9	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 146 @ 4FT (H234074-15)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.23	112	2.00	1.94		
Toluene*	<0.050	0.050	08/03/2023	ND	2.17	109	2.00	3.63		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.64		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.32	105	6.00	3.73		
Total BTX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	184	92.0	200	1.78	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	184	91.9	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 147 @ 4FT (H234074-16)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.23	112	2.00	1.94		
Toluene*	<0.050	0.050	08/03/2023	ND	2.17	109	2.00	3.63		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.64		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.32	105	6.00	3.73		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	184	92.0	200	1.78	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	184	91.9	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 148 @ 4FT (H234074-17)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.23	112	2.00	1.94		
Toluene*	<0.050	0.050	08/03/2023	ND	2.17	109	2.00	3.63		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.64		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.32	105	6.00	3.73		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	184	92.0	200	1.78	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	184	91.9	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 149 @ 4FT (H234074-18)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.23	112	2.00	1.94	
Toluene*	<0.050	0.050	08/03/2023	ND	2.17	109	2.00	3.63	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.64	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.32	105	6.00	3.73	
Total BTX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	08/03/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	189	94.4	200	3.11	
DRO >C10-C28*	55.5	10.0	08/03/2023	ND	207	103	200	1.29	
EXT DRO >C28-C36	53.2	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: SW # 20 (H234074-19)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.23	112	2.00	1.94		
Toluene*	<0.050	0.050	08/03/2023	ND	2.17	109	2.00	3.63		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.64		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.32	105	6.00	3.73		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	189	94.4	200	3.11	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	207	103	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: NW # 20 (H234074-20)**

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.23	112	2.00	1.94		
Toluene*	<0.050	0.050	08/03/2023	ND	2.17	109	2.00	3.63		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.64		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.32	105	6.00	3.73		
Total BTX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	189	94.4	200	3.11	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	207	103	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: SW # 15 (H234074-21)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.23	112	2.00	1.94		
Toluene*	<0.050	0.050	08/03/2023	ND	2.17	109	2.00	3.63		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.64		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.32	105	6.00	3.73		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	189	94.4	200	3.11	
DRO >C10-C28*	13.1	10.0	08/03/2023	ND	207	103	200	1.29	
EXT DRO >C28-C36	13.6	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: NW # 15 (H234074-22)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.23	112	2.00	1.94	
Toluene*	<0.050	0.050	08/03/2023	ND	2.17	109	2.00	3.63	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.64	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.32	105	6.00	3.73	
Total BTEx	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	189	94.4	200	3.11	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	207	103	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: SW # 16 (H234074-23)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.23	112	2.00	1.94		
Toluene*	<0.050	0.050	08/03/2023	ND	2.17	109	2.00	3.63		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.64		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.32	105	6.00	3.73		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	189	94.4	200	3.11	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	207	103	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: NW # 16 (H234074-24)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	2.23	112	2.00	1.94		
Toluene*	<0.050	0.050	08/03/2023	ND	2.17	109	2.00	3.63		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.64		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.32	105	6.00	3.73		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	189	94.4	200	3.11	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	207	103	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: SW # 17 (H234074-25)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.23	112	2.00	1.94	
Toluene*	<0.050	0.050	08/03/2023	ND	2.17	109	2.00	3.63	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.64	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.32	105	6.00	3.73	
Total BTEx	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	189	94.4	200	3.11	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	207	103	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: NW # 17 (H234074-26)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.23	112	2.00	1.94	
Toluene*	<0.050	0.050	08/03/2023	ND	2.17	109	2.00	3.63	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.64	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.32	105	6.00	3.73	
Total BTX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	189	94.4	200	3.11	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	207	103	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: SW # 18 (H234074-27)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.23	112	2.00	1.94	
Toluene*	<0.050	0.050	08/03/2023	ND	2.17	109	2.00	3.63	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.64	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.32	105	6.00	3.73	
Total BTX	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	189	94.4	200	3.11	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	207	103	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: NW # 18 (H234074-28)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2023	ND	2.23	112	2.00	1.94	
Toluene*	<0.050	0.050	08/03/2023	ND	2.17	109	2.00	3.63	
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	2.09	104	2.00	2.64	
Total Xylenes*	<0.150	0.150	08/03/2023	ND	6.32	105	6.00	3.73	
Total BTEx	<0.300	0.300	08/03/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	189	94.4	200	3.11	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	207	103	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/02/2023  
 Reported: 08/03/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 08/01/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW # 19 (H234074-29)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	1.98	99.2	2.00	0.642		
Toluene*	<0.050	0.050	08/03/2023	ND	1.90	95.2	2.00	0.971		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	1.95	97.6	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	5.76	95.9	6.00	0.697		
Total BTEX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	189	94.4	200	3.11	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	207	103	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: NW # 19 (H234074-30)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	1.98	99.2	2.00	0.642		
Toluene*	<0.050	0.050	08/03/2023	ND	1.90	95.2	2.00	0.971		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	1.95	97.6	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	5.76	95.9	6.00	0.697		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	189	94.4	200	3.11	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	207	103	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: SW # 14 (H234074-31)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	1.98	99.2	2.00	0.642		
Toluene*	<0.050	0.050	08/03/2023	ND	1.90	95.2	2.00	0.971		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	1.95	97.6	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	5.76	95.9	6.00	0.697		
Total BTEx	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	168	83.9	200	5.18	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	153	76.5	200	6.12	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/02/2023	Sampling Date:	08/01/2023
Reported:	08/03/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: NW # 14 (H234074-32)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2023	ND	1.98	99.2	2.00	0.642		
Toluene*	<0.050	0.050	08/03/2023	ND	1.90	95.2	2.00	0.971		
Ethylbenzene*	<0.050	0.050	08/03/2023	ND	1.95	97.6	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/03/2023	ND	5.76	95.9	6.00	0.697		
Total BTEX	<0.300	0.300	08/03/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	189	94.4	200	3.11	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	207	103	200	1.29	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager



**CARDINAL LABORATORIES**  
101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

<b>Company Name:</b> Etech Environmental & Safety Solutions, Inc. <b>Project Manager:</b> Zack <b>Address:</b> P.O. Box 301 <b>City:</b> Lovington <b>State:</b> NM <b>Zip:</b> 88260 <b>Phone #:</b> (575) 396-2378 <b>Fax #:</b> (575) 396-1429 <b>Project #:</b> 18238 <b>Project Owner:</b> <b>Project Name:</b> Riser To Pipe 03 <b>Project Location:</b> <b>Sampler Name:</b> Aaron Rios				<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> SPUR Energy LLC <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>				<b>ANALYSIS REQUEST</b>																							
FOR LAB USE ONLY		Lab I.D. <b>H234074</b>		Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS		MATRIX				PRESERV.		SAMPLING		Chloride		TPH (8015M)		BTEX (8021B)											









**CARDINAL LABORATORIES**  
101 East Mariand, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

<b>Company Name:</b> Etech Environmental & Safety Solutions, Inc. <b>Project Manager:</b> Zack <b>Address:</b> P.O. Box 301 <b>City:</b> Lovington <b>State:</b> NM <b>Zip:</b> 88260 <b>Phone #:</b> (575) 396-2378 <b>Fax #:</b> (575) 396-1429 <b>Project #:</b> 18238 <b>Project Owner:</b> <b>Project Name:</b> Riser 70 Pipe 03 <b>Project Location:</b> <b>Sampler Name:</b> Aren Rios				<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> Star Energy LLC <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>				<b>ANALYSIS REQUEST</b>																		
FOR LAB USE ONLY				MATRIX				PRESERV.		SAMPLING																
Lab I.D.	Sample I.D.	(GRAB OR (COMP. # CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME													
H234074																										
21 SW# 15		X			X					X		8-1-23		X	X	X										
22 NW# 15																										
23 SW# 16																										
24 NW# 16																										
25 SW# 17																										
26 NW# 17																										
27 SW# 18																										
28 NW# 18																										
29 SW# 19																										
30 NW# 19																										

PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

<b>Relinquished By:</b> Aren Rios <b>Date:</b> 8-2-23 <b>Time:</b> 1120		<b>Received By:</b> Tamara Delatorre <b>Date:</b> <b>Time:</b>		<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>REMARKS:</b> Rash	
<b>Relinquished By:</b> <b>Date:</b> <b>Time:</b>		<b>Received By:</b> <b>Date:</b> <b>Time:</b>		<b>Delivered By: (Circle One)</b> <input checked="" type="checkbox"/> Sampler - UPS - Bus - Other: -6.8e #140 <b>Sample Condition:</b> Cool <input type="checkbox"/> Intact <input type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <b>CHECKED BY:</b> (Initials) <i>yo</i>	

Please email results to pm@etechenv.com.

FORM-006  
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Company Name: Spur Energy Partners, LLC				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>															
Project Manager: Zach Conder				P.O. #:																			
Address: 3100 Plains Hwy				Company: Spur Energy Partners, LLC																			
City: Lovington		State: NM		Zip: 88260		Attn: Kathy Purvis																	
Phone #: 575-396-2378		Fax #: 575-396-1429		Address:		City:																	
Project #: 18238		Project Owner: Spur Energy Partners, LLC		State:		Phone #:																	
Project Name: Riser 70 Pipe 03				Fax #:																			
Project Location: UL/ A Sec 20 T17S - R31E																							
Sampler Name: Aaron																							
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING															
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH	BTEX 8021						
H234074	31 SW #14	C			X					X			8/1/23	10:05	X	X	X						
	32 NW #14	C			X					X			8/1/23	10:10	X	X	X						

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Relinquished By:	Date: 8-2-23 Time: 7:20	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)			REMARKS: Email results to zach@etechenv.com	
Sampler - UPS - Bus - Other: - 6080	#140	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials)	

Rush

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 07, 2023

ZACH CONDER

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RISER 70 PIPE 03

Enclosed are the results of analyses for samples received by the laboratory on 07/28/23 10:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager





PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/28/2023  
 Reported: 08/07/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/27/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: FL 102 @ 4FT (H233980-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.00	99.9	2.00	0.342	
Toluene*	<0.050	0.050	08/04/2023	ND	1.92	95.9	2.00	1.79	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.96	97.9	2.00	0.526	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.2	6.00	0.207	
Total BTEX	<0.300	0.300	08/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	194	97.1	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	224	112	200	0.693	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/28/2023	Sampling Date:	07/27/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Shari Cisneros
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL 103 @ 4FT (H233980-02)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.00	99.9	2.00	0.342		
Toluene*	<0.050	0.050	08/04/2023	ND	1.92	95.9	2.00	1.79		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.96	97.9	2.00	0.526		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.2	6.00	0.207		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1630	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	194	97.1	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	224	112	200	0.693	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/28/2023	Sampling Date:	07/27/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Shari Cisneros
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL 104 @ 4FT (H233980-03)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.00	99.9	2.00	0.342		
Toluene*	<0.050	0.050	08/04/2023	ND	1.92	95.9	2.00	1.79		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.96	97.9	2.00	0.526		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.2	6.00	0.207		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3640	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	194	97.1	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	224	112	200	0.693	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/28/2023  
 Reported: 08/07/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/27/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: FL 105 @ 4FT (H233980-04)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.00	99.9	2.00	0.342		
Toluene*	<0.050	0.050	08/04/2023	ND	1.92	95.9	2.00	1.79		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.96	97.9	2.00	0.526		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.2	6.00	0.207		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1200	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	194	97.1	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	224	112	200	0.693	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/28/2023	Sampling Date:	07/27/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Shari Cisneros
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL 106 @ 4FT (H233980-05)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.00	99.9	2.00	0.342		
Toluene*	<0.050	0.050	08/04/2023	ND	1.92	95.9	2.00	1.79		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.96	97.9	2.00	0.526		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.2	6.00	0.207		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	194	97.1	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	224	112	200	0.693	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/28/2023	Sampling Date:	07/27/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Shari Cisneros
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL 107 @ 4FT (H233980-06)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.00	99.9	2.00	0.342		
Toluene*	<0.050	0.050	08/04/2023	ND	1.92	95.9	2.00	1.79		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.96	97.9	2.00	0.526		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.2	6.00	0.207		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	194	97.1	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	224	112	200	0.693	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/28/2023	Sampling Date:	07/27/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Shari Cisneros
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: WW #4 (H233980-07)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.00	99.9	2.00	0.342	
Toluene*	<0.050	0.050	08/04/2023	ND	1.92	95.9	2.00	1.79	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.96	97.9	2.00	0.526	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.2	6.00	0.207	
Total BTEX	<0.300	0.300	08/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	194	97.1	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	224	112	200	0.693	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/28/2023  
 Reported: 08/07/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/27/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: SW #2 (H233980-08)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.00	99.9	2.00	0.342		
Toluene*	<0.050	0.050	08/04/2023	ND	1.92	95.9	2.00	1.79		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.96	97.9	2.00	0.526		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.2	6.00	0.207		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/03/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	194	97.1	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	224	112	200	0.693	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/28/2023  
 Reported: 08/07/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/27/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: SW #3 (H233980-09)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.00	99.9	2.00	0.342		
Toluene*	<0.050	0.050	08/04/2023	ND	1.92	95.9	2.00	1.79		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.96	97.9	2.00	0.526		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.2	6.00	0.207		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	08/03/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	194	97.1	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	224	112	200	0.693	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/28/2023	Sampling Date:	07/27/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Shari Cisneros
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: SW #4 (H233980-10)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.00	99.9	2.00	0.342		
Toluene*	<0.050	0.050	08/04/2023	ND	1.92	95.9	2.00	1.79		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.96	97.9	2.00	0.526		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.2	6.00	0.207		
Total BTEx	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	194	97.1	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	224	112	200	0.693	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/28/2023	Sampling Date:	07/27/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Shari Cisneros
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL 92 @ 4FT (H233980-11)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.00	99.9	2.00	0.342		
Toluene*	<0.050	0.050	08/04/2023	ND	1.92	95.9	2.00	1.79		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.96	97.9	2.00	0.526		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.2	6.00	0.207		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	194	97.1	200	1.20	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	224	112	200	0.693	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/28/2023	Sampling Date:	07/27/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Shari Cisneros
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL 93 @ 4FT (H233980-12)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	2.00	99.9	2.00	0.342		
Toluene*	<0.050	0.050	08/04/2023	ND	1.92	95.9	2.00	1.79		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.96	97.9	2.00	0.526		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.77	96.2	6.00	0.207		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2920	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	194	97.1	200	1.20		
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	224	112	200	0.693		
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND						

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/28/2023	Sampling Date:	07/27/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Shari Cisneros
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL 94 @ 4FT (H233980-13)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	1.91	95.6	2.00	4.90		
Toluene*	<0.050	0.050	08/04/2023	ND	1.80	90.1	2.00	4.61		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.85	92.7	2.00	5.35		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.47	91.2	6.00	5.54		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3480	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	194	97.2	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	198	98.8	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/28/2023	Sampling Date:	07/27/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Shari Cisneros
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL 95 @ 4FT (H233980-14)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	1.91	95.6	2.00	4.90		
Toluene*	<0.050	0.050	08/04/2023	ND	1.80	90.1	2.00	4.61		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.85	92.7	2.00	5.35		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.47	91.2	6.00	5.54		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	992	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	194	97.2	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	198	98.8	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/28/2023	Sampling Date:	07/27/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Shari Cisneros
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL 96 @ 4FT (H233980-15)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	1.91	95.6	2.00	4.90		
Toluene*	<0.050	0.050	08/04/2023	ND	1.80	90.1	2.00	4.61		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.85	92.7	2.00	5.35		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.47	91.2	6.00	5.54		
Total BTX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1490	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	194	97.2	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	198	98.8	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/28/2023	Sampling Date:	07/27/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Shari Cisneros
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL 97 @ 4FT (H233980-16)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	1.91	95.6	2.00	4.90		
Toluene*	<0.050	0.050	08/04/2023	ND	1.80	90.1	2.00	4.61		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.85	92.7	2.00	5.35		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.47	91.2	6.00	5.54		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	08/03/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	194	97.2	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	198	98.8	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/28/2023	Sampling Date:	07/27/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Shari Cisneros
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL 98 @ 4FT (H233980-17)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	1.91	95.6	2.00	4.90		
Toluene*	<0.050	0.050	08/04/2023	ND	1.80	90.1	2.00	4.61		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.85	92.7	2.00	5.35		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.47	91.2	6.00	5.54		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	08/03/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	194	97.2	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	198	98.8	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/28/2023  
 Reported: 08/07/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/27/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: FL 99 @ 4FT (H233980-18)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	1.91	95.6	2.00	4.90		
Toluene*	<0.050	0.050	08/04/2023	ND	1.80	90.1	2.00	4.61		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.85	92.7	2.00	5.35		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.47	91.2	6.00	5.54		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2760	16.0	08/03/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	194	97.2	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	198	98.8	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/28/2023	Sampling Date:	07/27/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Shari Cisneros
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL 100 @ 4FT (H233980-19)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	1.91	95.6	2.00	4.90		
Toluene*	<0.050	0.050	08/04/2023	ND	1.80	90.1	2.00	4.61		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.85	92.7	2.00	5.35		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.47	91.2	6.00	5.54		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	08/03/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2023	ND	194	97.2	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/02/2023	ND	198	98.8	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	08/02/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/28/2023  
 Reported: 08/07/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/27/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: FL 101 @ 4FT (H233980-20)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/04/2023	ND	1.91	95.6	2.00	4.90		
Toluene*	<0.050	0.050	08/04/2023	ND	1.80	90.1	2.00	4.61		
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.85	92.7	2.00	5.35		
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.47	91.2	6.00	5.54		
Total BTEX	<0.300	0.300	08/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3120	16.0	08/03/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	194	97.2	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	198	98.8	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/28/2023  
 Reported: 08/07/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/27/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: SW #5 (H233980-21)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	1.91	95.6	2.00	4.90	
Toluene*	<0.050	0.050	08/04/2023	ND	1.80	90.1	2.00	4.61	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	1.85	92.7	2.00	5.35	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	5.47	91.2	6.00	5.54	
Total BTEX	<0.300	0.300	08/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	08/03/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	194	97.2	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	198	98.8	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/28/2023	Sampling Date:	07/27/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Shari Cisneros
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: NW #3 (H233980-22)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2023	ND	1.91	95.6	2.00	4.90		
Toluene*	<0.050	0.050	08/05/2023	ND	1.80	90.1	2.00	4.61		
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.85	92.7	2.00	5.35		
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.47	91.2	6.00	5.54		
Total BTEx	<0.300	0.300	08/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	08/03/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	194	97.2	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	198	98.8	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/28/2023  
 Reported: 08/07/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/27/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shari Cisneros

**Sample ID: NW #4 (H233980-23)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	1.91	95.6	2.00	4.90	
Toluene*	<0.050	0.050	08/05/2023	ND	1.80	90.1	2.00	4.61	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.85	92.7	2.00	5.35	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.47	91.2	6.00	5.54	
Total BTX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/03/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	194	97.2	200	3.58	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	198	98.8	200	2.83	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



---

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### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager





**CARDINAL LABORATORIES**  
101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

<b>Company Name:</b> Etech Environmental & Safety Solutions, Inc. <b>Project Manager:</b> Zack <b>Address:</b> P.O. Box 301 <b>City:</b> Lovington <b>State:</b> NM <b>Zip:</b> 88260 <b>Phone #:</b> (575) 396-2378 <b>Fax #:</b> (575) 396-1429 <b>Project #:</b> 18238 <b>Project Owner:</b> <b>Project Name:</b> Riser 70 pipes <b>Project Location:</b> <b>Sampler Name:</b> Acorrias				<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> SPUI Energy LLC <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>				<b>ANALYSIS REQUEST</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:5%;">Matrix</th> <th style="width:5%;">PRESERV.</th> <th style="width:5%;">SAMPLING</th> <th style="width:5%;">DATE</th> <th style="width:5%;">TIME</th> <th style="width:5%;">Chloride</th> <th style="width:5%;">TPH (8015M)</th> <th style="width:5%;">BTEX (8021B)</th> <th style="width:5%;"></th> <th style="width:5%;"></th> <th style="width:5%;"></th> <th style="width:5%;"></th> <th style="width:5%;"></th> <th style="width:5%;"></th> <th style="width:5%;"></th> <th style="width:5%;"></th> <th style="width:5%;"></th> <th style="width:5%;"></th> <th style="width:5%;"></th> <th style="width:5%;"></th> </tr> <tr> <td>FL # 102. @ 4Ft</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>FL # 103. @ 4Ft</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>FL # 104. @ 4Ft</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>FL # 105. @ 4Ft</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>FL # 106. @ 4Ft</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>FL # 107. @ 4Ft</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>WW # 4.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>SW # 2.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>SW # 3.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>SW # 4.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>										Matrix	PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)													FL # 102. @ 4Ft																				FL # 103. @ 4Ft						X	X	X												FL # 104. @ 4Ft																				FL # 105. @ 4Ft																				FL # 106. @ 4Ft																				FL # 107. @ 4Ft																				WW # 4.																				SW # 2.																				SW # 3.																				SW # 4.																			
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<b>FOR LAB USE ONLY</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:15%;">Lab I.D.</th> <th style="width:15%;">Sample I.D.</th> <th style="width:5%;">(G)RAB OR (C)OMP.</th> <th style="width:5%;"># CONTAINERS</th> <th style="width:5%;">GROUNDWATER</th> <th style="width:5%;">WASTEWATER</th> <th style="width:5%;">SOIL</th> <th style="width:5%;">OIL</th> <th style="width:5%;">SLUDGE</th> <th style="width:5%;">OTHER</th> <th style="width:5%;">ACID/BASE</th> <th style="width:5%;">ICE / COOL</th> <th style="width:5%;">OTHER</th> </tr> <tr> <td>H233980</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>				Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	H233980													<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:5%;">1</td> <td style="width:5%;">2</td> <td style="width:5%;">3</td> <td style="width:5%;">4</td> <td style="width:5%;">5</td> <td style="width:5%;">6</td> <td style="width:5%;">7</td> <td style="width:5%;">8</td> <td style="width:5%;">9</td> <td style="width:5%;">10</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>																1	2	3	4	5	6	7	8	9	10																																																																																																																																																																																						
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<b>Relinquished By:</b> Acorrias <b>Date:</b> 1/28/23 <b>Time:</b> 10:40				<b>Received By:</b> Shari Cisneros <b>Date:</b> <b>Time:</b>				<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>REMARKS:</b>				<b>Add'l Phone #:</b> <b>Add'l Fax #:</b>																																																																																																																																																																																																																																	
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Please email results to pm@etechenv.com.																																																																																																																																																																																																																																													

FORM-006  
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476









**CARDINAL LABORATORIES**  
101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.

Project Manager: Zack

Address: P.O. Box 301

City: Lovington

State: NM Zip: 88260

Phone #: (575) 396-2378

Fax #: (575) 396-1429

Project #: 18238

Project Owner:

Project Name: Riser 70 Pipe 03

Project Location:

Sampler Name: Arnon Rios

## BILL TO

P.O. #:

Company: SPS Energy LLC

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

## ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H233980

21  
22  
23

SW#5.  
NW#3.  
NW#4.

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

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Relinquished By:

Date: 7/27/23

Time: 10:40

Received By:

Shan Cimeros

Date:

Time:

Received By:

Phone Result:

☐ Yes ☐ No

Add'l Phone #:

Fax Result:

☐ Yes ☐ No

Add'l Fax #:

REMARKS:

Relinquished By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

-0.9%

#140

Sample Condition  
Cool Intact  
☒ Yes ☒ Yes  
☐ No ☐ No

CHECKED BY:  
(Initials)

DC

Please email results to pm@etechenv.com.

FORM-006  
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

August 07, 2023

ZACH CONDER

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RISER 70 PIPE 03

Enclosed are the results of analyses for samples received by the laboratory on 07/28/23 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/28/2023	Sampling Date:	07/28/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 108 @ 4FT (H234006-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2023	ND	1.95	97.6	2.00	3.10	
Toluene*	<0.050	0.050	08/05/2023	ND	1.89	94.3	2.00	0.283	
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.94	97.2	2.00	0.282	
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.73	95.5	6.00	0.749	
Total BTEX	<0.300	0.300	08/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	08/04/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	178	89.2	200	9.09	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	188	94.0	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/28/2023	Sampling Date:	07/28/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 109 @ 4FT (H234006-02)**

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2023	ND	1.95	97.6	2.00	3.10		
Toluene*	<0.050	0.050	08/05/2023	ND	1.89	94.3	2.00	0.283		
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.94	97.2	2.00	0.282		
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.73	95.5	6.00	0.749		
Total BTX	<0.300	0.300	08/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	08/04/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	178	89.2	200	9.09	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	188	94.0	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/28/2023	Sampling Date:	07/28/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 110 @ 4FT (H234006-03)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2023	ND	1.95	97.6	2.00	3.10		
Toluene*	<0.050	0.050	08/05/2023	ND	1.89	94.3	2.00	0.283		
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.94	97.2	2.00	0.282		
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.73	95.5	6.00	0.749		
Total BTEx	<0.300	0.300	08/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2240	16.0	08/04/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	178	89.2	200	9.09	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	188	94.0	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/28/2023	Sampling Date:	07/28/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 111 @ 4FT (H234006-04)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2023	ND	1.95	97.6	2.00	3.10		
Toluene*	<0.050	0.050	08/05/2023	ND	1.89	94.3	2.00	0.283		
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.94	97.2	2.00	0.282		
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.73	95.5	6.00	0.749		
Total BTEX	<0.300	0.300	08/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2440	16.0	08/04/2023	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	178	89.2	200	9.09	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	188	94.0	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/28/2023	Sampling Date:	07/28/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 112 @ 4FT (H234006-05)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2023	ND	1.95	97.6	2.00	3.10		
Toluene*	<0.050	0.050	08/05/2023	ND	1.89	94.3	2.00	0.283		
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.94	97.2	2.00	0.282		
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.73	95.5	6.00	0.749		
Total BTEX	<0.300	0.300	08/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/04/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	178	89.2	200	9.09	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	188	94.0	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/28/2023  
 Reported: 08/07/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 07/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL # 113 @ 4FT (H234006-06)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/05/2023	ND	1.95	97.6	2.00	3.10		
Toluene*	<0.050	0.050	08/05/2023	ND	1.89	94.3	2.00	0.283		
Ethylbenzene*	<0.050	0.050	08/05/2023	ND	1.94	97.2	2.00	0.282		
Total Xylenes*	<0.150	0.150	08/05/2023	ND	5.73	95.5	6.00	0.749		
Total BTEX	<0.300	0.300	08/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1310	16.0	08/04/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2023	ND	178	89.2	200	9.09	
DRO >C10-C28*	<10.0	10.0	08/03/2023	ND	188	94.0	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	08/03/2023	ND					

Surrogate: 1-Chlorooctane 131 % 48.2-134

Surrogate: 1-Chlorooctadecane 152 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/28/2023	Sampling Date:	07/28/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: SW # 6 (H234006-07)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.04	102	2.00	0.417	
Toluene*	<0.050	0.050	08/04/2023	ND	1.96	98.1	2.00	0.559	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.03	102	2.00	0.121	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.09	101	6.00	0.680	
Total BTX	<0.300	0.300	08/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	08/04/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2023	ND	178	89.2	200	9.09	
DRO >C10-C28*	<10.0	10.0	08/04/2023	ND	188	94.0	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	08/04/2023	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/28/2023	Sampling Date:	07/28/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: NW # 6 (H234006-08)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.04	102	2.00	0.417	
Toluene*	<0.050	0.050	08/04/2023	ND	1.96	98.1	2.00	0.559	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.03	102	2.00	0.121	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.09	101	6.00	0.680	
Total BTEx	<0.300	0.300	08/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/04/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2023	ND	178	89.2	200	9.09	
DRO >C10-C28*	<10.0	10.0	08/04/2023	ND	188	94.0	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	08/04/2023	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 150 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/28/2023	Sampling Date:	07/28/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: NW # 7 (H234006-09)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.04	102	2.00	0.417	
Toluene*	<0.050	0.050	08/04/2023	ND	1.96	98.1	2.00	0.559	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.03	102	2.00	0.121	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.09	101	6.00	0.680	
Total BTEx	<0.300	0.300	08/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	08/04/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2023	ND	178	89.2	200	9.09	
DRO >C10-C28*	<10.0	10.0	08/04/2023	ND	188	94.0	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	08/04/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	07/28/2023	Sampling Date:	07/28/2023
Reported:	08/07/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: SW # 7 (H234006-10)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2023	ND	2.04	102	2.00	0.417	
Toluene*	<0.050	0.050	08/04/2023	ND	1.96	98.1	2.00	0.559	
Ethylbenzene*	<0.050	0.050	08/04/2023	ND	2.03	102	2.00	0.121	
Total Xylenes*	<0.150	0.150	08/04/2023	ND	6.09	101	6.00	0.680	
Total BTEx	<0.300	0.300	08/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	08/04/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2023	ND	178	89.2	200	9.09	
DRO >C10-C28*	<10.0	10.0	08/04/2023	ND	188	94.0	200	11.6	
EXT DRO >C28-C36	<10.0	10.0	08/04/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



**CARDINAL LABORATORIES**  
101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.

Project Manager: *Zack*

Address: P.O. Box 301

City: Lovington

State: NM Zip: 88260

Phone #: (575) 396-2378

Fax #: (575) 396-1429

Project #: *18238*

Project Owner:

Project Name: *Riser 70. Pipe 03*

Project Location:

Sampler Name: *Amer Rios*

## BILL TO

P.O. #:

Company: *Sper energy LLC*

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

## ANALYSIS REQUEST

Chloride

TPH (8015M)

BTEX (8021B)

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

*H234006*

MATRIX	PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)
GROUNDWATER							
WASTEWATER							
SOIL							
OIL							
SLUDGE							
OTHER:							
ACID/BASE:							
ICE / COOL							
OTHER:							

1 FL # 108. @ 4 FT  
2 FL # 109. @ 4 FT  
3 FL # 110. @ 4 FT  
4 FL # 111. @ 4 FT  
5 FL # 112. @ 4 FT  
6 FL # 113. @ 4 FT  
7 SW # 6.  
8 SW # 6.  
9 SW # 7.  
10 SW # 7.

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Relinquished By:

Date: *7-28-23*

Time: *1640*

Date:

Time:

Received By:

Received By:

Relinquished By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

*2.3c*

*#140*

Sample Condition  
Cool Intact  
☒ Yes ☐ No  
☐ Yes ☐ No

CHECKED BY:  
(Initials)

Phone Result: ☐ Yes ☐ No Add'l Phone #:  
Fax Result: ☐ Yes ☐ No Add'l Fax #:

REMARKS:

Please email results to [pm@etechenv.com](mailto:pm@etechenv.com).

FORM-006  
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

August 10, 2023

ZACH CONDER

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RISER 70 PIPE 03

Enclosed are the results of analyses for samples received by the laboratory on 08/03/23 8:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 151 @ 4 FT (H234105-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.00	100	2.00	2.62	
Toluene*	<0.050	0.050	08/09/2023	ND	2.11	106	2.00	0.626	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.20	110	2.00	0.846	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.80	113	6.00	0.870	
Total BTEX	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	08/08/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	175	87.4	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	184	92.2	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/03/2023  
 Reported: 08/10/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 08/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL # 152 @ 4 FT (H234105-02)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.00	100	2.00	2.62	
Toluene*	<0.050	0.050	08/09/2023	ND	2.11	106	2.00	0.626	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.20	110	2.00	0.846	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.80	113	6.00	0.870	
Total BTEx	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	08/08/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	175	87.4	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	184	92.2	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 80.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.8 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 153 @ 4 FT (H234105-03)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.00	100	2.00	2.62	
Toluene*	<0.050	0.050	08/09/2023	ND	2.11	106	2.00	0.626	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.20	110	2.00	0.846	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.80	113	6.00	0.870	
Total BTEX	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	08/08/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	175	87.4	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	184	92.2	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/03/2023  
 Reported: 08/10/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 08/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL # 154 @ 4 FT (H234105-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.00	100	2.00	2.62	
Toluene*	<0.050	0.050	08/09/2023	ND	2.11	106	2.00	0.626	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.20	110	2.00	0.846	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.80	113	6.00	0.870	
Total BTEX	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/08/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	175	87.4	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	184	92.2	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 155 @ 4 FT (H234105-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.00	100	2.00	2.62	
Toluene*	<0.050	0.050	08/09/2023	ND	2.11	106	2.00	0.626	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.20	110	2.00	0.846	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.80	113	6.00	0.870	
Total BTEX	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	175	87.4	200	3.32	
DRO >C10-C28*	49.3	10.0	08/08/2023	ND	184	92.2	200	4.26	
EXT DRO >C28-C36	44.4	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 156 @ 4 FT (H234105-06)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/09/2023	ND	2.08	104	2.00	2.52		
Toluene*	<0.050	0.050	08/09/2023	ND	2.00	100	2.00	3.42		
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.01	101	2.00	2.95		
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.02	100	6.00	2.00		
Total BTEX	<0.300	0.300	08/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	175	87.4	200	3.32		
DRO >C10-C28*	26.9	10.0	08/08/2023	ND	184	92.2	200	4.26		
EXT DRO >C28-C36	16.0	10.0	08/08/2023	ND						

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/03/2023  
 Reported: 08/10/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 08/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL # 157 @ 4 FT (H234105-07)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.08	104	2.00	2.52	
Toluene*	<0.050	0.050	08/09/2023	ND	2.00	100	2.00	3.42	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.01	101	2.00	2.95	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.02	100	6.00	2.00	
Total BTEx	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	175	87.4	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	184	92.2	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 158 @ 4 FT (H234105-08)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/09/2023	ND	2.08	104	2.00	2.52		
Toluene*	<0.050	0.050	08/09/2023	ND	2.00	100	2.00	3.42		
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.01	101	2.00	2.95		
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.02	100	6.00	2.00		
Total BTEX	<0.300	0.300	08/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	784	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	175	87.4	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	184	92.2	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 95.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/03/2023  
 Reported: 08/10/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 08/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW # 25 (H234105-09)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.08	104	2.00	2.52	
Toluene*	<0.050	0.050	08/09/2023	ND	2.00	100	2.00	3.42	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.01	101	2.00	2.95	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.02	100	6.00	2.00	
Total BTEX	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	175	87.4	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	184	92.2	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: NW 25 (H234105-10)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.08	104	2.00	2.52	
Toluene*	<0.050	0.050	08/09/2023	ND	2.00	100	2.00	3.42	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.01	101	2.00	2.95	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.02	100	6.00	2.00	
Total BTEx	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	175	87.4	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	184	92.2	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: SW # 21 (H234105-11)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.08	104	2.00	2.52	
Toluene*	<0.050	0.050	08/09/2023	ND	2.00	100	2.00	3.42	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.01	101	2.00	2.95	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.02	100	6.00	2.00	
Total BTEx	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	153	76.3	200	4.51	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	145	72.3	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 77.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.8 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: NW # 21 (H234105-12)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.08	104	2.00	2.52	
Toluene*	<0.050	0.050	08/09/2023	ND	2.00	100	2.00	3.42	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.01	101	2.00	2.95	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.02	100	6.00	2.00	
Total BTEx	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/08/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	153	76.3	200	4.51	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	145	72.3	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 75.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.8 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/03/2023  
 Reported: 08/10/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 08/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW # 22 (H234105-13)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.08	104	2.00	2.52	
Toluene*	<0.050	0.050	08/09/2023	ND	2.00	100	2.00	3.42	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.01	101	2.00	2.95	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.02	100	6.00	2.00	
Total BTEX	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	154	77.1	200	2.22	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	156	78.0	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: NW # 22 (H234105-14)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.08	104	2.00	2.52	
Toluene*	<0.050	0.050	08/09/2023	ND	2.00	100	2.00	3.42	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.01	101	2.00	2.95	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.02	100	6.00	2.00	
Total BTEx	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/08/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	154	77.1	200	2.22	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	156	78.0	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/03/2023  
 Reported: 08/10/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 08/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW # 23 (H234105-15)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.08	104	2.00	2.52	
Toluene*	<0.050	0.050	08/09/2023	ND	2.00	100	2.00	3.42	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.01	101	2.00	2.95	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.02	100	6.00	2.00	
Total BTEx	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/08/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	154	77.1	200	2.22	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	156	78.0	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: NW # 23 (H234105-16)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/09/2023	ND	2.20	110	2.00	0.829		
Toluene*	<0.050	0.050	08/09/2023	ND	2.12	106	2.00	0.647		
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.00	99.8	2.00	0.388		
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.02	100	6.00	0.0395		
Total BTEX	<0.300	0.300	08/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	154	77.1	200	2.22	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	156	78.0	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 08/03/2023  
 Reported: 08/10/2023  
 Project Name: RISER 70 PIPE 03  
 Project Number: 18238  
 Project Location: SPUR - RURAL EDDY CO., NM

Sampling Date: 08/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SW # 24 (H234105-17)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.20	110	2.00	0.829	
Toluene*	<0.050	0.050	08/09/2023	ND	2.12	106	2.00	0.647	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.00	99.8	2.00	0.388	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.02	100	6.00	0.0395	
Total BTEX	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/08/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	154	77.1	200	2.22	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	156	78.0	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: NW # 24 (H234105-18)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.20	110	2.00	0.829	
Toluene*	<0.050	0.050	08/09/2023	ND	2.12	106	2.00	0.647	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.00	99.8	2.00	0.388	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.02	100	6.00	0.0395	
Total BTEx	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	154	77.1	200	2.22	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	156	78.0	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: WW # 5 (H234105-19)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/09/2023	ND	2.20	110	2.00	0.829		
Toluene*	<0.050	0.050	08/09/2023	ND	2.12	106	2.00	0.647		
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.00	99.8	2.00	0.388		
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.02	100	6.00	0.0395		
Total BTEx	<0.300	0.300	08/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	154	77.1	200	2.22	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	156	78.0	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 ZACH CONDER  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	08/03/2023	Sampling Date:	08/02/2023
Reported:	08/10/2023	Sampling Type:	Soil
Project Name:	RISER 70 PIPE 03	Sampling Condition:	Cool & Intact
Project Number:	18238	Sample Received By:	Tamara Oldaker
Project Location:	SPUR - RURAL EDDY CO., NM		

**Sample ID: FL # 150 @ 4 FT (H234105-20)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/09/2023	ND	2.20	110	2.00	0.829		
Toluene*	<0.050	0.050	08/09/2023	ND	2.12	106	2.00	0.647		
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	2.00	99.8	2.00	0.388		
Total Xylenes*	<0.150	0.150	08/09/2023	ND	6.02	100	6.00	0.0395		
Total BTEX	<0.300	0.300	08/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	154	77.1	200	2.22	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	156	78.0	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



# ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc.

Project Manager: Zack

Address: P.O. Box 301

City: Lovington

State: NM Zip: 88260

Phone #: (575) 396-2378

Fax #: (575) 396-1429

Project #: 18238

Project Owner:

Project Name: Riser 70 Pipe 03

Project Location:

Sampler Name: Aaron Rios

### BILL TO

P.O. #:

Company: SPOT Energy LLC.

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

### ANALYSIS REQUEST

Chloride

TPH (8015M)

BTEX (8021B)

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H234105

MATRIX	PRESERV.	SAMPLING	DATE	TIME
GROUNDWATER				
WASTEWATER				
SOIL				
OIL				
SLUDGE				
OTHER:				
ACID/BASE:				
ICE / COOL				
OTHER:				

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Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Received By:

Relinquished By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other: -11.0°C

Sample Condition  
Cool Intact  
☒ Yes ☒ Yes  
☐ No ☐ No

CHECKED BY:  
(Initials)

Phone Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

REMARKS:

Add'l Phone #:

Add'l Fax #:

Please email results to pm@etechenv.com.

FORM-006  
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476





# ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> Etech Environmental & Safety Solutions, Inc. <b>Project Manager:</b> Zack <b>Address:</b> P.O. Box 301 <b>City:</b> Lovington <b>State:</b> NM <b>Zip:</b> 88260 <b>Phone #:</b> (575) 396-2378 <b>Fax #:</b> (575) 396-1429 <b>Project #:</b> 18238 <b>Project Owner:</b> <b>Project Name:</b> Riser 70 Pipe 03 <b>Project Location:</b> <b>Sampler Name:</b> Aaron Rio				<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> SPOT Energy LLC. <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>				<b>ANALYSIS REQUEST</b>									
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING		Chloride		TPH (8015M)		BTEX (8021B)			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME			
H234105	11 SW#21	X				X							8/2/23		X	X	
	12 NW#21																
	13 SW#22																
	14 NW#22																
	15 SW#23																
	16 NW#23																
	17 SW#24																
	18 NW#24																
	19 WW#5																
	20 FL#150 @ 4 Ft																
<small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																	
Relinquished By:		Date:		Received By:		Phone Result:		Fax Result:		Add'l Phone #:		Add'l Fax #:		REMARKS:			
		Time:				<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No									
Relinquished By:		Date:		Received By:		Phone Result:		Fax Result:		Add'l Phone #:		Add'l Fax #:		REMARKS:			
		Time:				<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No									
Delivered By: (Circle One)		Date:		Received By:		Sample Condition		Checked By:		Please email results to pm@etechenv.com.							
Sampler - UPS - Bus - Other:		Time:				Cool Intact		(Initials)									
		Time:				<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No									

FORM-006  
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476

## **Appendix D**

### **Photographic Log**




## Photographic Log


<b>Photo Number:</b> 1	 <p>May 31, 2023 at 8:31:16 AM +32.825493,-103.883955 ±5.00m 223° SW</p>
<b>Photo Direction:</b> Southwest	
<b>Photo Description:</b>  View of release area.	

<b>Photo Number:</b> 2	 <p>May 31, 2023 at 8:27:28 AM +32.824726,-103.884154 ±5.00m 281° W</p>
<b>Photo Direction:</b> West	
<b>Photo Description:</b>  View of release area.	




## Photographic Log


<b>Photo Number:</b> 3	 <p>May 31, 2023 at 8:27:07 AM +32.824909,-103.884059 ±5.00m 241° SW</p>
<b>Photo Direction:</b> Southwest	
<b>Photo Description:</b>  View of release area.	

<b>Photo Number:</b> 4	 <p>May 31, 2023 at 8:29:10 AM +32.824677,-103.884641 ±5.00m 274° W</p>
<b>Photo Direction:</b> West	
<b>Photo Description:</b>  View of release area.	



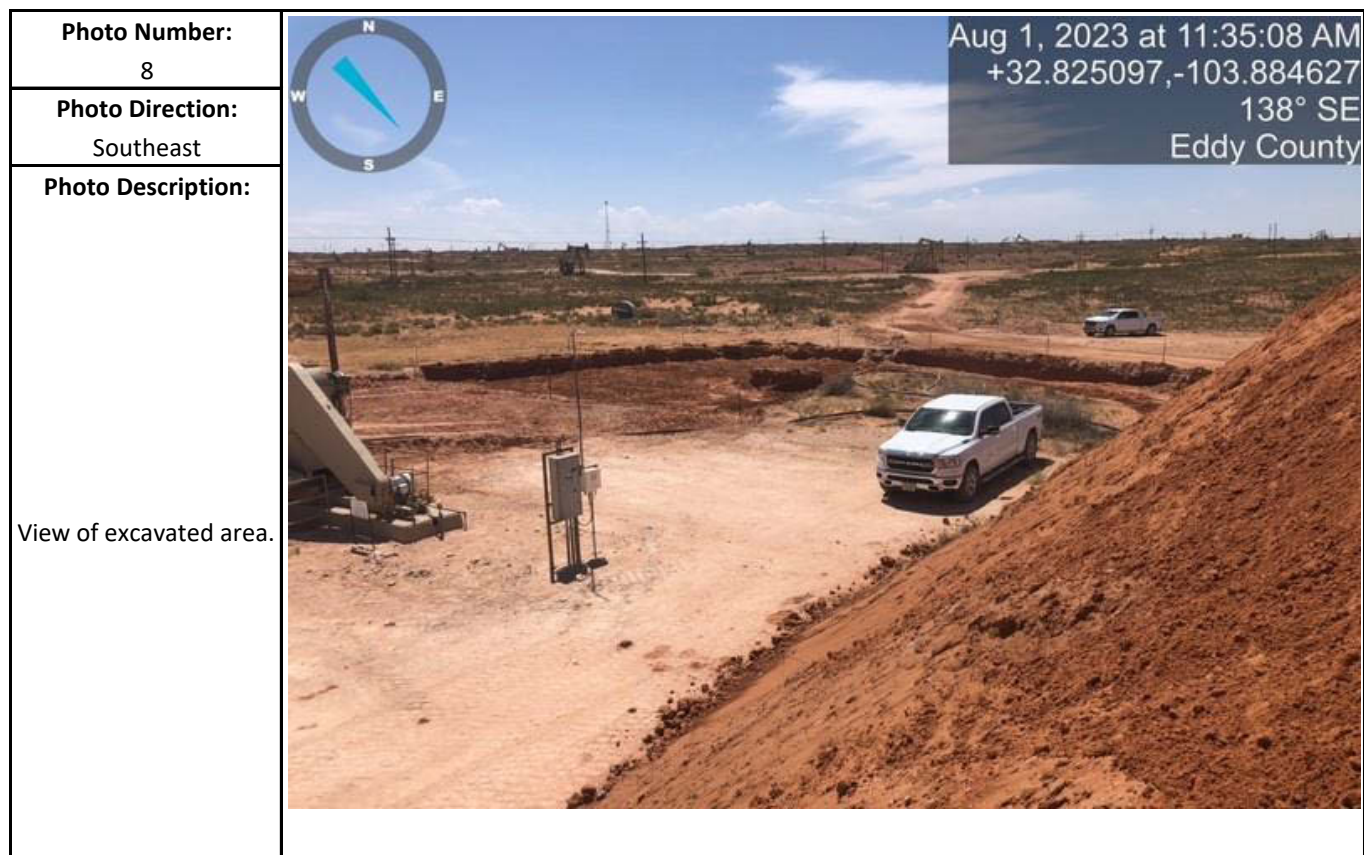
## Photographic Log

<b>Photo Number:</b> 5	<div>May 31, 2023 at 8:58:12 AM +32.825162,-103.887645 ±5.00m 84° E</div> 
<b>Photo Direction:</b> East	
<b>Photo Description:</b>  View of release area.	

<b>Photo Number:</b> 6	<div>May 31, 2023 at 8:57:22 AM +32.825081,-103.888092 ±5.00m 71° E</div> 
<b>Photo Direction:</b> East	
<b>Photo Description:</b>  View of release area.	





## Photographic Log







## Photographic Log

<b>Photo Number:</b> 9	  <p>Aug 1, 2023 at 11:35:05 AM +32.825097,-103.884627 73° E Eddy County</p>
<b>Photo Direction:</b> East	
<b>Photo Description:</b>  View of excavated area.	

<b>Photo Number:</b> 10	  <p>Aug 1, 2023 at 11:33:04 AM +32.825534,-103.885486 226° SW Eddy County</p>
<b>Photo Direction:</b> Southwest	
<b>Photo Description:</b>  View of excavated area.	


## Photographic Log


<b>Photo Number:</b> 11	  <p>Aug 1, 2023 at 11:32:59 AM +32.825125,-103.888509 130° SE Eddy County</p>
<b>Photo Direction:</b> Southeast	
<b>Photo Description:</b>  View of excavated area.	

<b>Photo Number:</b> 12	  <p>Aug 1, 2023 at 11:35:16 AM +32.825097,-103.884627 221° SW Eddy County</p>
<b>Photo Direction:</b> Southwest	
<b>Photo Description:</b>  View of excavated area.	




## Photographic Log


<b>Photo Number:</b> 13	<div>Aug 15, 2023 at 3:25:49 PM +32.824802,-103.884609 Loco Hills NM 88255 United States</div> 
<b>Photo Direction:</b> West	
<b>Photo Description:</b>  View of area after backfill and grading.	

<b>Photo Number:</b> 14	<div>Aug 15, 2023 at 3:25:17 PM +32.824892,-103.884587 Loco Hills NM 88255 United States</div> 
<b>Photo Direction:</b> South	
<b>Photo Description:</b>  View of area after backfill and grading.	



## Photographic Log

<b>Photo Number:</b> 15	<div>Aug 15, 2023 at 3:28:27 PM +32.825039,-103.888477 Loco Hills NM 88255 United States</div> 
<b>Photo Direction:</b> East	
<b>Photo Description:</b>  View of area after backfill and grading.	

<b>Photo Number:</b> 16	<div>Aug 15, 2023 at 3:24:49 PM +32.825204,-103.884791 Loco Hills NM 88255 United States</div> 
<b>Photo Direction:</b> South	
<b>Photo Description:</b>  View of area after backfill and grading.	

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 266357

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 266357
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	None	1/30/2024