



May 2, 2025

NMOCD District 2
Artesia, NM 88210

Bureau of Land Management
Crisha Morgan
Carlsbad Field Office

Re: Site Assessment, Remediation, and Closure Request
Riser 70 Main Line
API No. N/A
GPS: Latitude 32.825421 Longitude -103.883867
UL "A", Sec. 20, T17S, R31E
Eddy County, NM
NMOCD Ref. No. NAPP2315139771

Paragon Environmental, LLC (Paragon) has been contracted by Spur Energy Partners (Spur) to perform a spill assessment, conduct remediation activities for the release site known as the Riser 70 Main Line (Riser). Details of the release are summarized below:

Release Details			
Type of Release:	Produced Water	Volume of Release:	75 bbls
		Volume Recovered:	35 bbls
Source of Release:	Pipeline	Date of Release:	5/30/23
Was Immediate Notice Given?	Yes	If, Yes, to Whom?	Mike Bratcher, NMOCD
Was a Watercourse Reached?	No	If Yes, Volume Impacting Watercourse:	N/A
Surface Owner:	Federal	Mineral Owner:	Federal
Corrosion in the injection line.			

Topographical and Wetlands Maps are provided in Figures #2 and #4.

REGULATORY FRAMEWORK & SITE CHARACTERIZATION

Surface impacts from unauthorized releases of fluids or gases are generally regulated by the New Mexico Oil Conservation Division (NMOCD) in accordance with 19.15.29 of the New Mexico Administrative Code (NMAC). 19.15.29 NMAC establishes reporting, site assessment/characterization, remediation, closure, variance, and enforcement procedures. Table I of 19.15.29.12 NMAC determines the closure criteria for soils impacted by a release based on depth to groundwater and the following characteristics:

- Depth to Groundwater in the affected area 100-500'
- Method to determine DTW NM OSE
- Did the release impact groundwater or surface water No

Depth to groundwater information is provided in Appendix A.

What are the minimum distances between the closest lateral extents of the release and the following surface areas:

- A Continuously flowing watercourse or any other significant watercourse- 1/2 mile-1 mile
- Any lakebed, sinkhole, or playa lake- 1-5 mi
- An occupied permanent residence, school, hospital, institution, or church- >5 mi
- A spring or a private domestic fresh water well used by less than 5 households for domestic or stock watering purposes->5 mi
- Any other fresh water well or spring- 1-5 mi
- Incorporated municipal boundaries or a defined municipal fresh water well field- 1-5 mi
- A wetland- 1-5 mi
- A subsurface mine- >5 mi
- An (non-karst) unstable area- >5 mi
- Categorize the risk of this well/site being in a karst area geology- Low
- A 100-year floodplain- 1/2-1 mi
- Did the release impact areas not on an exploration, development, production, or storage site- Yes

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Eolian and piedmont deposits (Holocene to middle Pleistocene)— Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits (QEP). The soil in this area is made up of Kermit-Berino Fine Sands, with 0 to 3 percent slopes, according to the United States Department of Agriculture Natural Resources Conservation Service. The drainage course in this area is excessively drained.

The Soil Survey and FEMA Flood Map are provided in Appendix B. A Karst Map is provided in Figure #3.

INITIAL SITE ASSESSMENT

For all initial assessment data, refer to the attached closure report that was previously submitted..

A Site Map is provided in Figure #1.

REMEDIATION ACTIVITIES

We looked at the reasons for the denial of our previous closure report, which states:

1. The Chain of Custody for samples collected on 11/18/24 is marked "G" for Grab. Per 19.15.29.12(D)1 NMAC, "the responsible party must test the remediated areas for contamination with representative five-point composite samples from the walls and base, and individual grab samples from any wet or discolored areas." Explain.
2. Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1)(a) NMAC. Failure to provide proper sampling notice is a compliance issue and the OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1)(a) NMAC. C-141N was submitted on 11/13/24 for 10/18/24.
3. Explain the dramatic difference in chlorides, between the analytical data obtained at FL 4-7 on 7/19/23 at 1' and the samples collected on 11/18/24 at 2'?
4. In the Table on pg. 3, TPH is not a "0" but instead should be labeled ND.

To correct the concerns with reasons 1, 2, and 4, we went and resampled the areas to make sure they were composite samples per 19.15.29.12(D)1 NMAC. An email notification was sent to the NMOCD prior to obtaining confirmation samples. The bottom samples were representative of no more than 200 sq/ft, and the sidewall samples were obtained every 50 feet. The results of these sampling events are in the following data tables. We also made sure to correctly label the Total TPH as ND.

3-7-25 Confirmation Laboratory Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')							
Sample Date 3-7-25	Closure Criteria ≤ 50 mg/kg	Closure Criteria ≤ 10 mg/kg				Closure Criteria ≤ 100 mg/kg	Closure Criteria ≤ 600 mg/kg
Sample ID	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CHLORIDES
ESW-1 2'	ND	ND	ND	ND	ND	ND	272
NSW-1 2'	ND	ND	ND	ND	ND	ND	320
S - 1 2'	ND	ND	ND	ND	ND	ND	288
S - 2 2'	ND	ND	ND	ND	ND	ND	272
S - 3 2'	ND	ND	ND	ND	ND	ND	304
S - 4 2'	ND	ND	ND	ND	ND	ND	256
SSW-1 2'	ND	ND	ND	ND	ND	ND	288
WSW-1 2'	ND	ND	ND	ND	ND	ND	240

(ND) Analyte Not Detected

To address the concerns with reason 3, we cannot speak to the remediation or assessment work done by ETech. However, with geo-tagged photographic and laboratory analytical evidence, we did remediate and sample the appropriate area that the NMOCD initially had an issue with in their rejection ruling from 9/19/24 stating:

- “Remediation closure denied. Per 19.15.29.12.C(3) NMAC, the responsible party must remediate the impacted surface area of a release not occurring on a lined, bermed or otherwise contained exploration, development, production, or storage site to meet the standards of Table I of 19.15.29.12 NMAC or other applicable remediation standards and restore and reclaim the area pursuant to 19.15.29.13 NMAC. FL samples 4-7 are located in areas not reasonably needed for production and require further remediation in order to meet reclamation standards. It is also noted that Spur checked the box saying the concentration of dissolved chloride in the produced water is < 10,000 mg/kg. Submit a sample of the produced water for laboratory analysis and include your results with your next submission. Resubmit remediation closure report to the OCD by 12/18/24.”.

10-9-24 Confirmation Laboratory Results

SampleName	Sampled	Units	Chloride
WATER SAMPLE - 1	10/9/24 0:00	mg/L	900

Laboratory data is attached in Appendix D


These laboratory analytical results showed that the confirmation soil samples were below NMOCD Closure Criteria. The 60 CY of excavated soils were loaded into trucks and transported to Lea Land, an NMOCD-approved waste disposal facility. After receiving laboratory analytical results below the closure criteria, the excavated areas were backfilled with “like” material also obtained by Lea Land. The affected area was then contoured and machine-compacted to match the surrounding grade.

CLOSURE REQUEST

After careful review, Paragon requests that the incident, NAPP2315139771, be closed. Spur has complied with the applicable closure requirements outlined in rule 19.15.19.12 NMAC.

If you have any questions or need additional information, please get in touch with Tristan Jones by phone at (575)318-6841 or email at tristan@paragonenvironmental.net.

Respectfully,


Tristan Jones
Project Manager
Paragon Environmental, LLC




Chris Jones
Environmental Professional
Paragon Environmental, LLC



Attachments

Figures:

- 1- Site Map
- 2- Topographic Map
- 3- Karst Map
- 4- Wetlands Map
- 5- Confirmation Sample Maps

Appendices:

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey and FEMA Flood Map
- Appendix C – Email Notification & Photographic Documentation
- Appendix D – Laboratory Reports & Previous Closure Report



Figures:

- 1-Site Map
- 2- TOPO Map
- 3- Karst Map
- 4- Wetlands Map
- 5- Confirmation Sample Map

Spur Energy Partners

Riser 70 Pipe 03
API # N/A
Eddy County, NM
Site Map

Legend

- Feature 1
- Final Spill Area 800 S/F
- Riser 70 Main

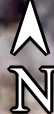
Riser 70 Main

FI-4

FI-5

FI-6

FI-7



Spur Energy Partners

Riser 70 Pipe 03
Eddy County, NM
Topo Map

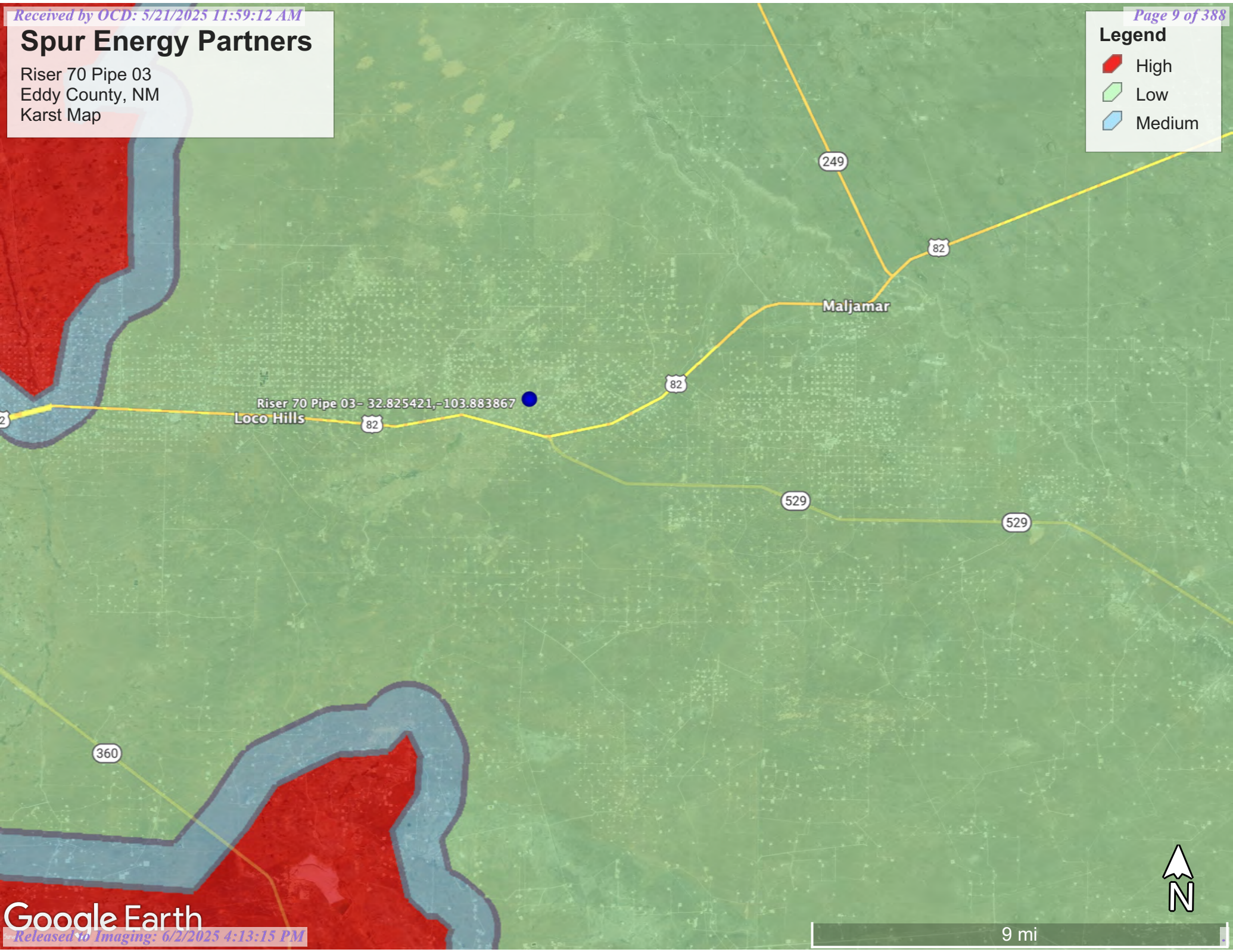


Spur Energy Partners

Riser 70 Pipe 03
Eddy County, NM
Karst Map

Legend



- High
- Low
- Medium



Spur Energy Partners

Riser 70-Pipe 03I
Eddy County, NM
Wetlands Map

Legend

-  Waterway 0.51 Mile
-  Wetlands 1.14 Mile



Spur Energy Partners

Riser 70 Main Line
API # N/A
Eddy County, NM
Confirmation Sample Map

Legend

- Feature 1
- Final Spill Area
- Riser 70 Pipe 3

Riser 70 Main

NSW 4'

CS-1

CS-2

WSW 4'

CS-3

ESW 4'

CS-4

SSW 4'



80 ft

Google Earth



Appendix A
Referenced Water Data:

Direct Measure



2904 W 2nd St.
Roswell, NM 88201
voice: 575.624.2420
fax: 575.624.2421
www.atkinseng.com

11/4/2022

DII-NMOSE
1900 W 2nd Street
Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record RA-13235Pod-1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, RA-13235 Pod-1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Lucas Middleton". The signature is fluid and cursive, with the first name "Lucas" and last name "Middleton" clearly distinguishable.

Lucas Middleton

Enclosures: as noted above

QSE DTI NOV 4 2022 PM 3:51



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
		LONGITUDE 103	52	55.80	W		
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)		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)
	FROM	TO						
0	102	±6.5	Soil Boring	--	--	--	--	

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				

FOR OSE INTERNAL USE

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

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

Released to Imaging: 6/2/2025 4:13:15 PM



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: RA-13235 POD-1

Well owner: Spur Energy Partners LLC

Phone No.: _____

Mailing address: 919 Milam St Ste 2475

City: Houston

State: Texas

Zip code: 77002

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)
- 2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/23
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Shane Eldridge, Cameron Pruitt
- 4) Date well plugging began: 10/31/2022 Date well plugging concluded: 10/31/2022
- 5) GPS Well Location: Latitude: 32 deg, 49 min, 33.16 sec
Longitude: 103 deg, 52 min, 55.80 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 102 ft below ground level (bgl),
by the following manner: weighted tape
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 9/8/2022
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

USE DIT NOV 4 2022 PM 3:52

- 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

<u>Depth</u> (ft bgl)	<u>Plugging Material Used</u> (include any additives used)	<u>Volume of Material Placed</u> (gallons)	<u>Theoretical Volume of Borehole/ Casing</u> (gallons)	<u>Placement Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
0-10'	Hydrated Bentonite	Approx. 31 gallons	29 gallons	Augers	
10'-102'	Drill Cuttings	Approx. 294 gallons	294 gallons	Boring	

MULTIPLY	BY	AND OBTAIN
cubic feet x 7.4805	=	gallons
cubic yards x 201.97	=	gallons

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III. SIGNATURE:

I, Jackie D. Atkins, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Jackie Atkins

Signature of Well Driller

11-1-2022

Date






RA-13235-WR-20 Well Record and Log-sk-forsign

Final Audit Report

2022-11-01

Created:	2022-11-01
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAARY87xtXtLuDI4C2wXSwlo2N0Y9qfWa2z

"RA-13235-WR-20 Well Record and Log-sk- forsign" History

-  Document created by Lucas Middleton (lucas@atkinseng.com)
2022-11-01 - 8:11:28 PM GMT- IP address: 64.17.71.25
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2022-11-01 - 8:11:59 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)
2022-11-01 - 10:22:54 PM GMT- IP address: 64.90.153.232
-  Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2022-11-01 - 10:23:24 PM GMT - Time Source: server- IP address: 64.90.153.232
-  Agreement completed.
2022-11-01 - 10:23:24 PM GMT

OSE DJT NOV 4 2022 PM3:52



Appendix B
Soil Survey:

U.S.D.A.
FEMA Flood Map

Map Unit Description: Kermit-Berino fine sands, 0 to 3 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

KM—Kermit-Berino fine sands, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4q

Elevation: 3,100 to 4,200 feet

Mean annual precipitation: 10 to 14 inches

Mean annual air temperature: 60 to 64 degrees F

Frost-free period: 190 to 230 days

Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 50 percent

Berino and similar soils: 35 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kermit

Setting

Landform: Plains, alluvial fans

Landform position (three-dimensional): Talf, rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 7 inches: fine sand

H2 - 7 to 60 inches: fine sand

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Excessively drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: A

Ecological site: R070BD005NM - Deep Sand

Hydric soil rating: No

Map Unit Description: Kermit-Berino fine sands, 0 to 3 percent slopes---Eddy Area, New Mexico

Description of Berino

Setting

Landform: Plains, fan piedmonts
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand
H2 - 17 to 50 inches: fine sandy loam
H3 - 50 to 58 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Active dune land

Percent of map unit: 15 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 18, Sep 8, 2022

National Flood Hazard Layer FIRMette



103°53'21"W 32°49'47"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/17/2023 at 2:49 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



Appendix C:

NMOCD Notification

Photographic Documentation

OCD Permitting

Home Operator Data Action Status Action Search Results Action Status Item Details

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:	438844	Districts:	Artesia
Operator:	[328947] Spur Energy Partners LLC	Counties:	Eddy
Description:	Spur Energy Partners LLC [328947] , RISER 70 MAIN LINE , nAPP2315139771		
Status:	APPROVED		
Status Date:	03/04/2025		
References (1):	nAPP2315139771		

Foms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2315139771
Incident Name	NAPP2315139771 RISER 70 MAIN LINE @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	RISER 70 MAIN LINE
Date Release Discovered	05/30/2023
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	800
What is the estimated number of samples that will be gathered	8
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/07/2025
Time sampling will commence	08:00 AM
<div>Warning: Notification can not be less than two business days prior to conducting final sampling.</div>	
Please provide any information necessary for observers to contact samplers	575-318-6841
Please provide any information necessary for navigation to sampling site	32.825421,-103.883867

Comments

No comments found for this submission.

Conditions

Summary: *tristanjones (3/4/2025)*, Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

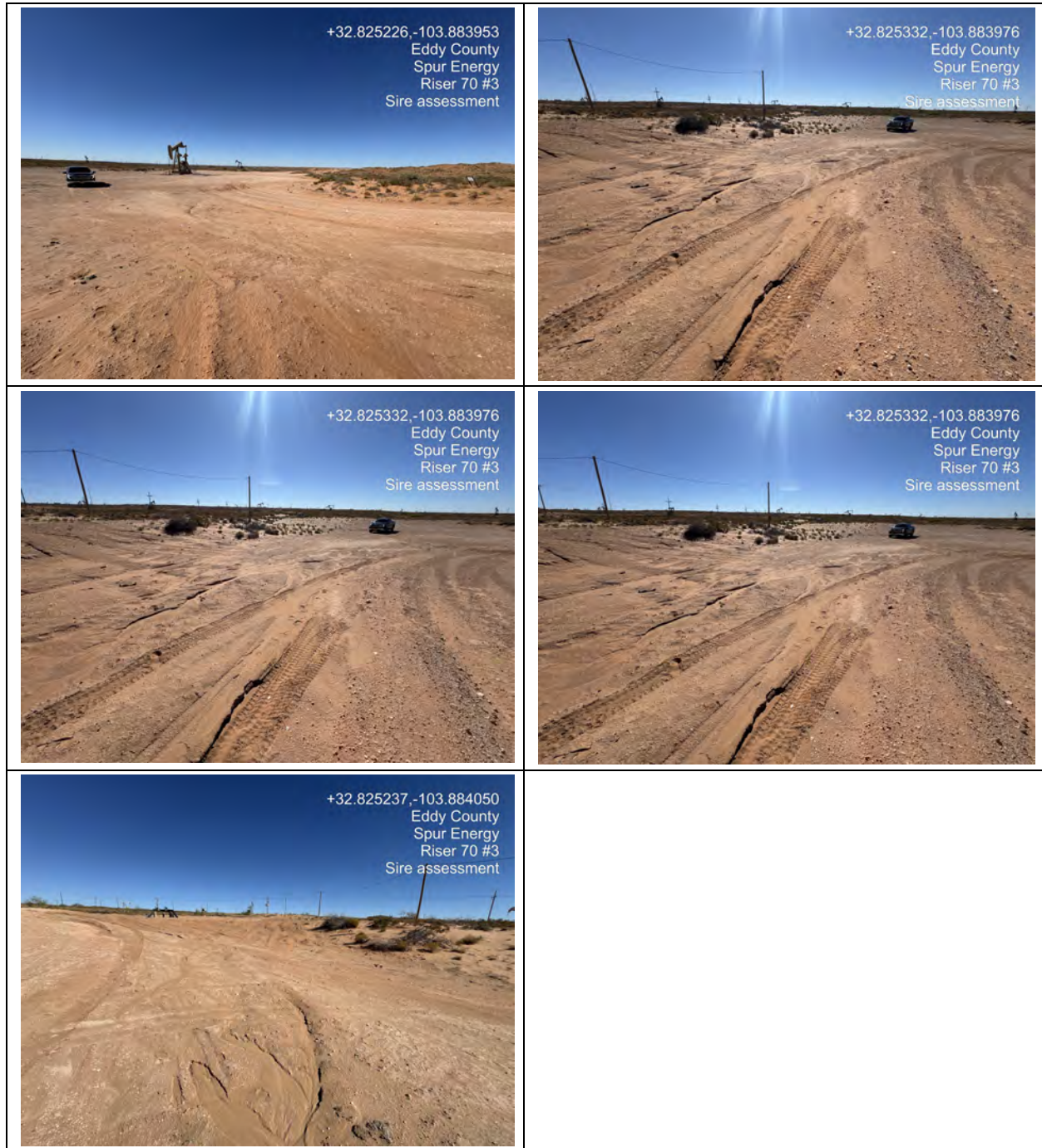
Reasons

No reasons found for this submission.

Go Back

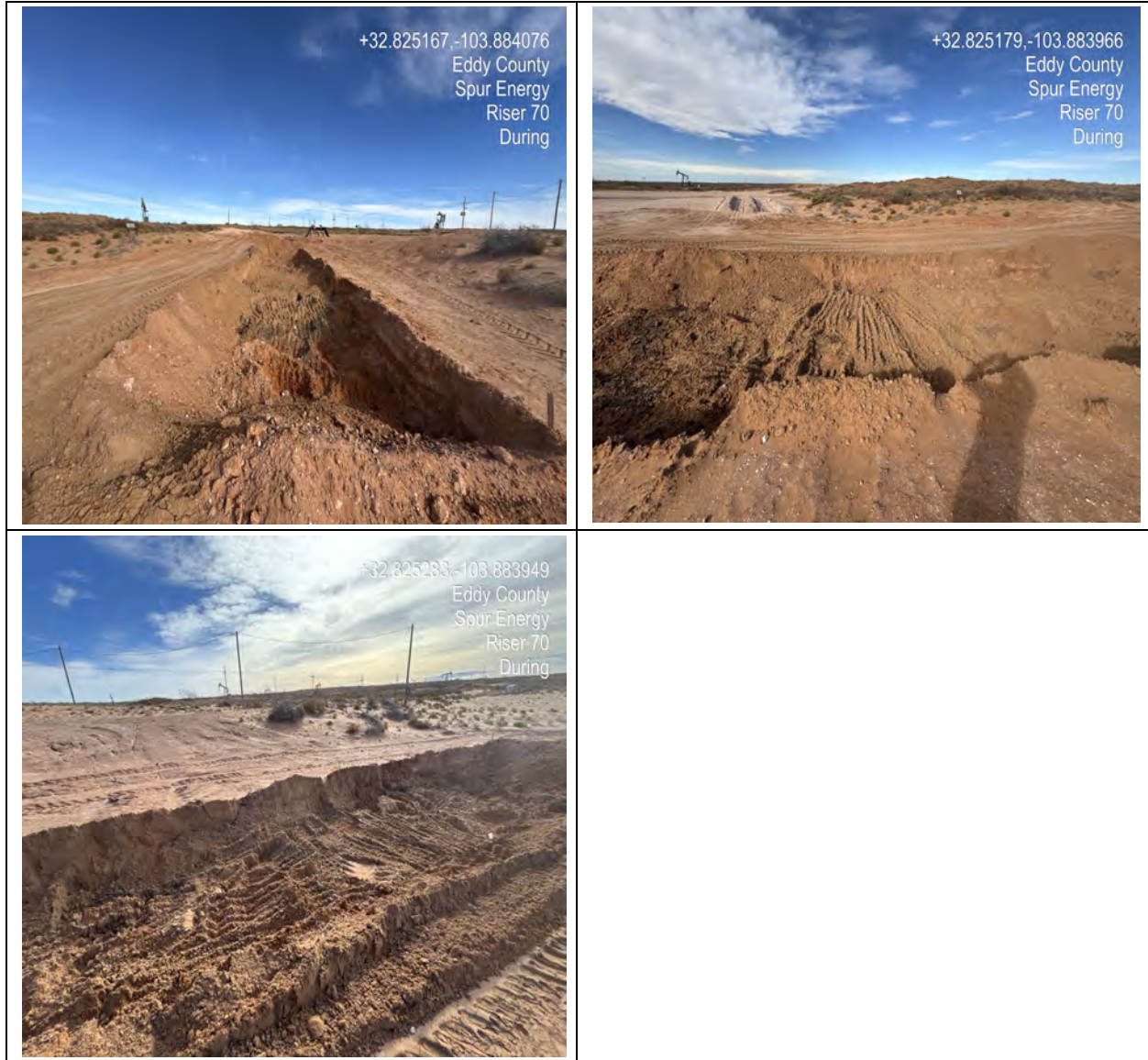


Photographic Documentation
Before





**Photographic Documentation
During**





Photographic Documentation
Post





Appendix D:

Laboratory Results
Previous Closure Report



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

October 15, 2024

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: RISER 70 PIPE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 10/09/24 16:22.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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.

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:

PARAGON ENVIROMENTAL
CHRIS JONES
1601 N TURNER ST., STE 500
HOBBS NM, 88240
Fax To:

Received:	10/09/2024	Sampling Date:	10/09/2024
Reported:	10/15/2024	Sampling Type:	Water
Project Name:	RISER 70 PIPE RELEASE	Sampling Condition:	Cool & Intact
Project Number:	SPUR	Sample Received By:	Alyssa Parras
Project Location:	EDDY, NM		

Sample ID: WATER SAMPLE - 1 (H246154-01)

Chloride, SM4500Cl-B (Water)		mg/L	Analyzed By: CT							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride*	900	4.00	10/10/2024	ND	104	104	100	0.00		

Cardinal Laboratories

*=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



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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]



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

March 18, 2025

TRISTAN JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: RISER 70 PIPE 3

Enclosed are the results of analyses for samples received by the laboratory on 03/12/25 9:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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.

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".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
 TRISTAN JONES
 1601 N TURNER ST., STE 500
 HOBBS NM, 88240
 Fax To:

Received: 03/12/2025
 Reported: 03/18/2025
 Project Name: RISER 70 PIPE 3
 Project Number: NOT GIVEN
 Project Location: SPUR - EDDY, NM

Sampling Date: 03/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: S-1 2' (H251453-01)

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	03/12/2025	ND	2.01	100	2.00	3.23	
Toluene*	<0.050	0.050	03/12/2025	ND	2.10	105	2.00	5.47	
Ethylbenzene*	<0.050	0.050	03/12/2025	ND	2.27	114	2.00	6.81	
Total Xylenes*	<0.150	0.150	03/12/2025	ND	7.02	117	6.00	7.29	
Total BTX	<0.300	0.300	03/12/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 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	03/12/2025	ND	448	112	400	3.51	

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	03/12/2025	ND	205	103	200	1.40	
DRO >C10-C28*	<10.0	10.0	03/12/2025	ND	177	88.4	200	11.7	
EXT DRO >C28-C36	<10.0	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 99.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
 TRISTAN JONES
 1601 N TURNER ST., STE 500
 HOBBS NM, 88240
 Fax To:

Received: 03/12/2025
 Reported: 03/18/2025
 Project Name: RISER 70 PIPE 3
 Project Number: NOT GIVEN
 Project Location: SPUR - EDDY, NM

Sampling Date: 03/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: S-2 2' (H251453-02)

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	03/12/2025	ND	2.01	100	2.00	3.23	
Toluene*	<0.050	0.050	03/12/2025	ND	2.10	105	2.00	5.47	
Ethylbenzene*	<0.050	0.050	03/12/2025	ND	2.27	114	2.00	6.81	
Total Xylenes*	<0.150	0.150	03/12/2025	ND	7.02	117	6.00	7.29	
Total BTEx	<0.300	0.300	03/12/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 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	03/12/2025	ND	448	112	400	3.51	

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	03/12/2025	ND	207	104	200	4.72	
DRO >C10-C28*	<10.0	10.0	03/12/2025	ND	190	95.1	200	7.28	
EXT DRO >C28-C36	<10.0	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 78.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
 TRISTAN JONES
 1601 N TURNER ST., STE 500
 HOBBS NM, 88240
 Fax To:

Received: 03/12/2025
 Reported: 03/18/2025
 Project Name: RISER 70 PIPE 3
 Project Number: NOT GIVEN
 Project Location: SPUR - EDDY, NM

Sampling Date: 03/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: S-3 2' (H251453-03)

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	03/12/2025	ND	2.01	100	2.00	3.23	
Toluene*	<0.050	0.050	03/12/2025	ND	2.10	105	2.00	5.47	
Ethylbenzene*	<0.050	0.050	03/12/2025	ND	2.27	114	2.00	6.81	
Total Xylenes*	<0.150	0.150	03/12/2025	ND	7.02	117	6.00	7.29	
Total BTEx	<0.300	0.300	03/12/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	03/12/2025	ND	448	112	400	3.51	

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	03/12/2025	ND	207	104	200	4.72	
DRO >C10-C28*	<10.0	10.0	03/12/2025	ND	190	95.1	200	7.28	
EXT DRO >C28-C36	<10.0	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 86.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
 TRISTAN JONES
 1601 N TURNER ST., STE 500
 HOBBS NM, 88240
 Fax To:

Received: 03/12/2025
 Reported: 03/18/2025
 Project Name: RISER 70 PIPE 3
 Project Number: NOT GIVEN
 Project Location: SPUR - EDDY, NM

Sampling Date: 03/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: S-4 2' (H251453-04)

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	03/12/2025	ND	2.01	100	2.00	3.23		
Toluene*	<0.050	0.050	03/12/2025	ND	2.10	105	2.00	5.47		
Ethylbenzene*	<0.050	0.050	03/12/2025	ND	2.27	114	2.00	6.81		
Total Xylenes*	<0.150	0.150	03/12/2025	ND	7.02	117	6.00	7.29		
Total BTEx	<0.300	0.300	03/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 129 % 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	256	16.0	03/12/2025	ND	448	112	400	3.51		

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	03/12/2025	ND	207	104	200	4.72	
DRO >C10-C28*	<10.0	10.0	03/12/2025	ND	190	95.1	200	7.28	
EXT DRO >C28-C36	<10.0	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 87.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

PARAGON ENVIROMENTAL
 TRISTAN JONES
 1601 N TURNER ST., STE 500
 HOBBS NM, 88240
 Fax To:

Received: 03/12/2025
 Reported: 03/18/2025
 Project Name: RISER 70 PIPE 3
 Project Number: NOT GIVEN
 Project Location: SPUR - EDDY, NM

Sampling Date: 03/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: NSW-1 2' (H251453-05)

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	03/12/2025	ND	1.98	98.8	2.00	3.22		
Toluene*	<0.050	0.050	03/12/2025	ND	2.03	102	2.00	3.43		
Ethylbenzene*	<0.050	0.050	03/12/2025	ND	2.04	102	2.00	3.84		
Total Xylenes*	<0.150	0.150	03/12/2025	ND	6.26	104	6.00	3.00		
Total BTEx	<0.300	0.300	03/12/2025	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	320	16.0	03/12/2025	ND	448	112	400	3.51		

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	03/12/2025	ND	207	104	200	4.72	
DRO >C10-C28*	<10.0	10.0	03/12/2025	ND	190	95.1	200	7.28	
EXT DRO >C28-C36	<10.0	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 89.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
 TRISTAN JONES
 1601 N TURNER ST., STE 500
 HOBBS NM, 88240
 Fax To:

Received: 03/12/2025
 Reported: 03/18/2025
 Project Name: RISER 70 PIPE 3
 Project Number: NOT GIVEN
 Project Location: SPUR - EDDY, NM

Sampling Date: 03/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: ESW-1 2' (H251453-06)

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	03/12/2025	ND	1.98	98.8	2.00	3.22		
Toluene*	<0.050	0.050	03/12/2025	ND	2.03	102	2.00	3.43		
Ethylbenzene*	<0.050	0.050	03/12/2025	ND	2.04	102	2.00	3.84		
Total Xylenes*	<0.150	0.150	03/12/2025	ND	6.26	104	6.00	3.00		
Total BTEx	<0.300	0.300	03/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	03/12/2025	ND	448	112	400	3.51	

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	03/12/2025	ND	207	104	200	4.72	
DRO >C10-C28*	<10.0	10.0	03/12/2025	ND	190	95.1	200	7.28	
EXT DRO >C28-C36	<10.0	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 87.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
 TRISTAN JONES
 1601 N TURNER ST., STE 500
 HOBBS NM, 88240
 Fax To:

Received: 03/12/2025
 Reported: 03/18/2025
 Project Name: RISER 70 PIPE 3
 Project Number: NOT GIVEN
 Project Location: SPUR - EDDY, NM

Sampling Date: 03/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SSW-1 2' (H251453-07)

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	03/12/2025	ND	1.98	98.8	2.00	3.22		
Toluene*	<0.050	0.050	03/12/2025	ND	2.03	102	2.00	3.43		
Ethylbenzene*	<0.050	0.050	03/12/2025	ND	2.04	102	2.00	3.84		
Total Xylenes*	<0.150	0.150	03/12/2025	ND	6.26	104	6.00	3.00		
Total BTEx	<0.300	0.300	03/12/2025	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	288	16.0	03/12/2025	ND	448	112	400	3.51		

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	03/12/2025	ND	207	104	200	4.72	
DRO >C10-C28*	<10.0	10.0	03/12/2025	ND	190	95.1	200	7.28	
EXT DRO >C28-C36	<10.0	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 77.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

PARAGON ENVIROMENTAL
 TRISTAN JONES
 1601 N TURNER ST., STE 500
 HOBBS NM, 88240
 Fax To:

Received: 03/12/2025
 Reported: 03/18/2025
 Project Name: RISER 70 PIPE 3
 Project Number: NOT GIVEN
 Project Location: SPUR - EDDY, NM

Sampling Date: 03/07/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: WSW-1 2' (H251453-08)

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	03/12/2025	ND	1.98	98.8	2.00	3.22		
Toluene*	<0.050	0.050	03/12/2025	ND	2.03	102	2.00	3.43		
Ethylbenzene*	<0.050	0.050	03/12/2025	ND	2.04	102	2.00	3.84		
Total Xylenes*	<0.150	0.150	03/12/2025	ND	6.26	104	6.00	3.00		
Total BTEx	<0.300	0.300	03/12/2025	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	240	16.0	03/12/2025	ND	448	112	400	3.51		

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	03/12/2025	ND	207	104	200	4.72	
DRO >C10-C28*	<10.0	10.0	03/12/2025	ND	190	95.1	200	7.28	
EXT DRO >C28-C36	<10.0	10.0	03/12/2025	ND					

Surrogate: 1-Chlorooctane 74.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.8 % 40.6-153

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

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

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]

Remediation Summary and Soil Closure Request

Spur Energy Partners, LLC

Riser 70 Main Line

Eddy County, New Mexico

Unit Letter A, Section 20, Township 17 South, Range 31 East

Latitude 32.825018 North, Longitude 103.884258 West

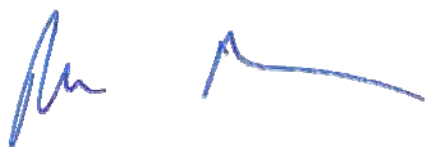
NMOCD Reference No. nAPP2315139771

Prepared By:

Etech Environmental & Safety Solutions, Inc.

2617 W. Marland

Hobbs, New Mexico 88240



Robbie Runnels



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 Main Line (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 Main Line		Site Type: _____
				Pipeline
Date Release Discovered: _____		5/30/2023		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) 75	Volume Recovered (bbls) 35
	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?	<u>>102 Feet</u>	
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
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 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-)	EPA 300.0 or SM4500 ClB	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.

On February 21, 2024, Etech collected six (6) horizontal soil samples from three specific locations (NH-1, EH-1, WH-1). Each horizontal was sampled at the surface as well as at one foot bgs. The collected horizontal 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. The "clean" soil samples confirm that horizontal delineation for the entire release had been achieved.

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 Main Line 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

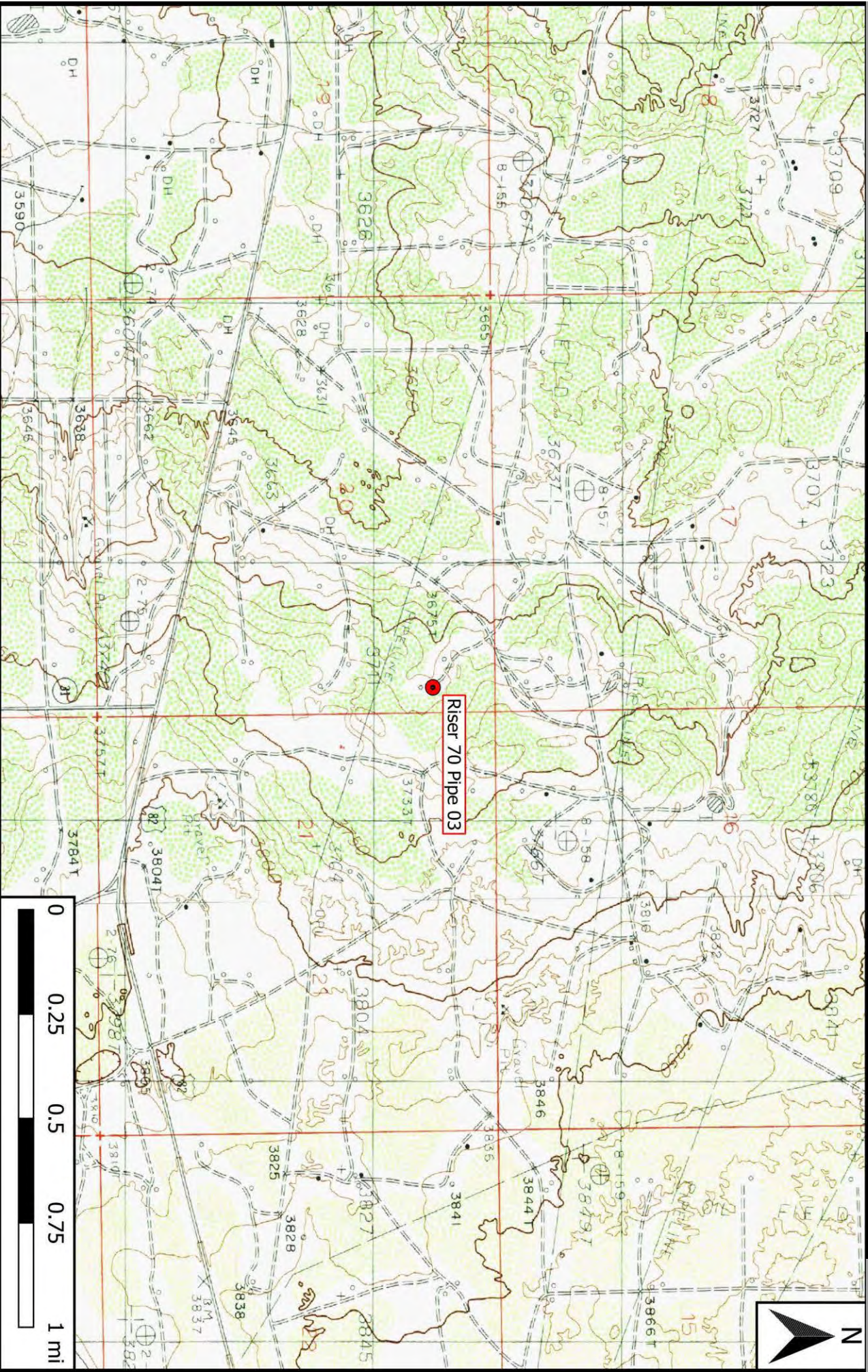
620 E. Greene Street

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

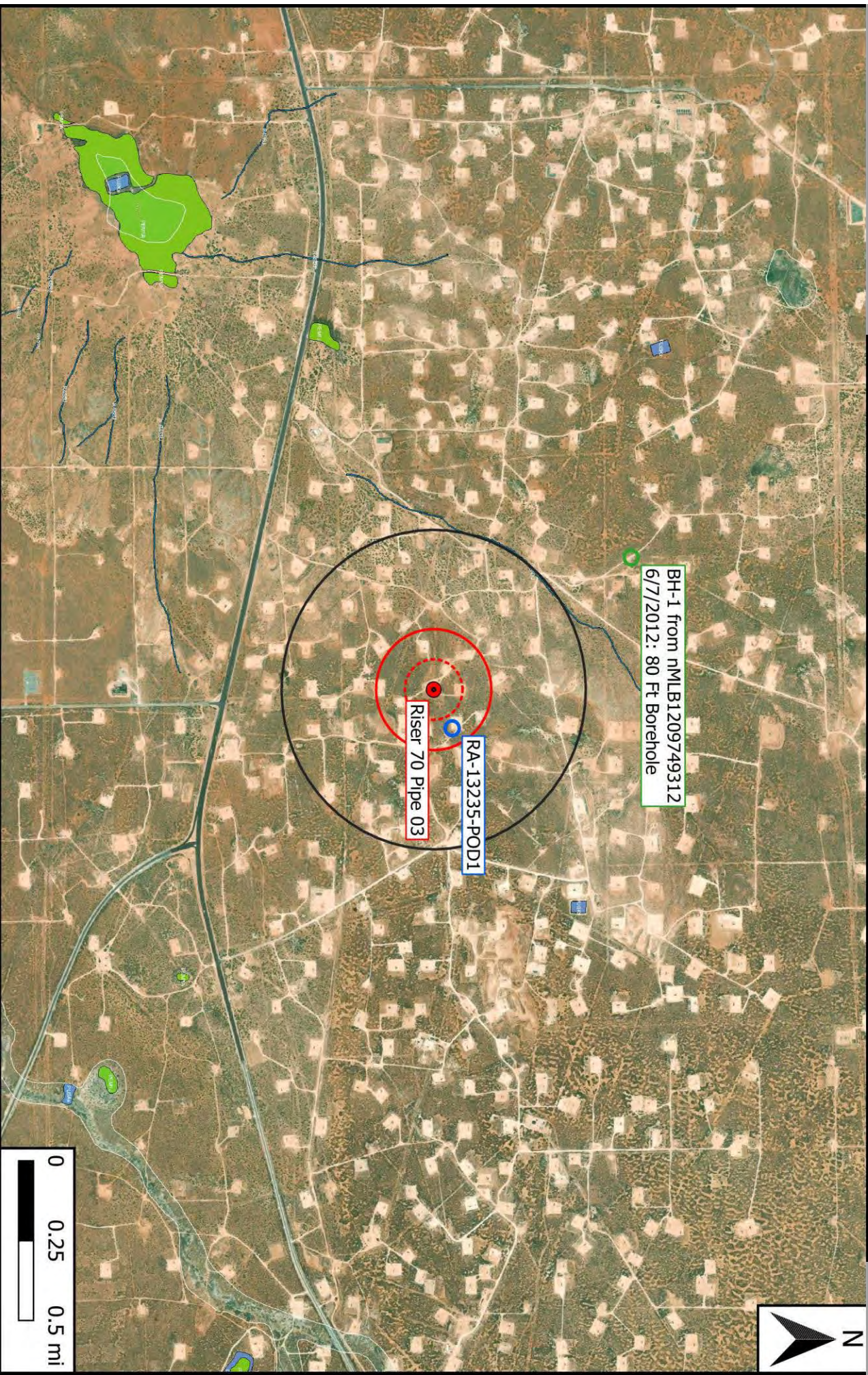
Eddy County



Drafted: mag Checked: jwl Date: 5/25/23

Figure 2

Aerial Proximity Map



BH-1 from nMLB1209749312
6/7/2012: 80 Ft Borehole

Riser 70 Pipe 03

RA-13235-POD1

- Site Location
- Well - NMOSE
- Well - USGS
- Well - Other
- Potash Mine Workings
- Medium/High Karst
- 500 Ft Radius
- 1000 Ft Radius
- 0.5 Mi Radius
- 1% Annual Flood Chance
- Lake/Freshwater Pond
- Emergent/Forested Wetlands
- Riverine

Figure 2

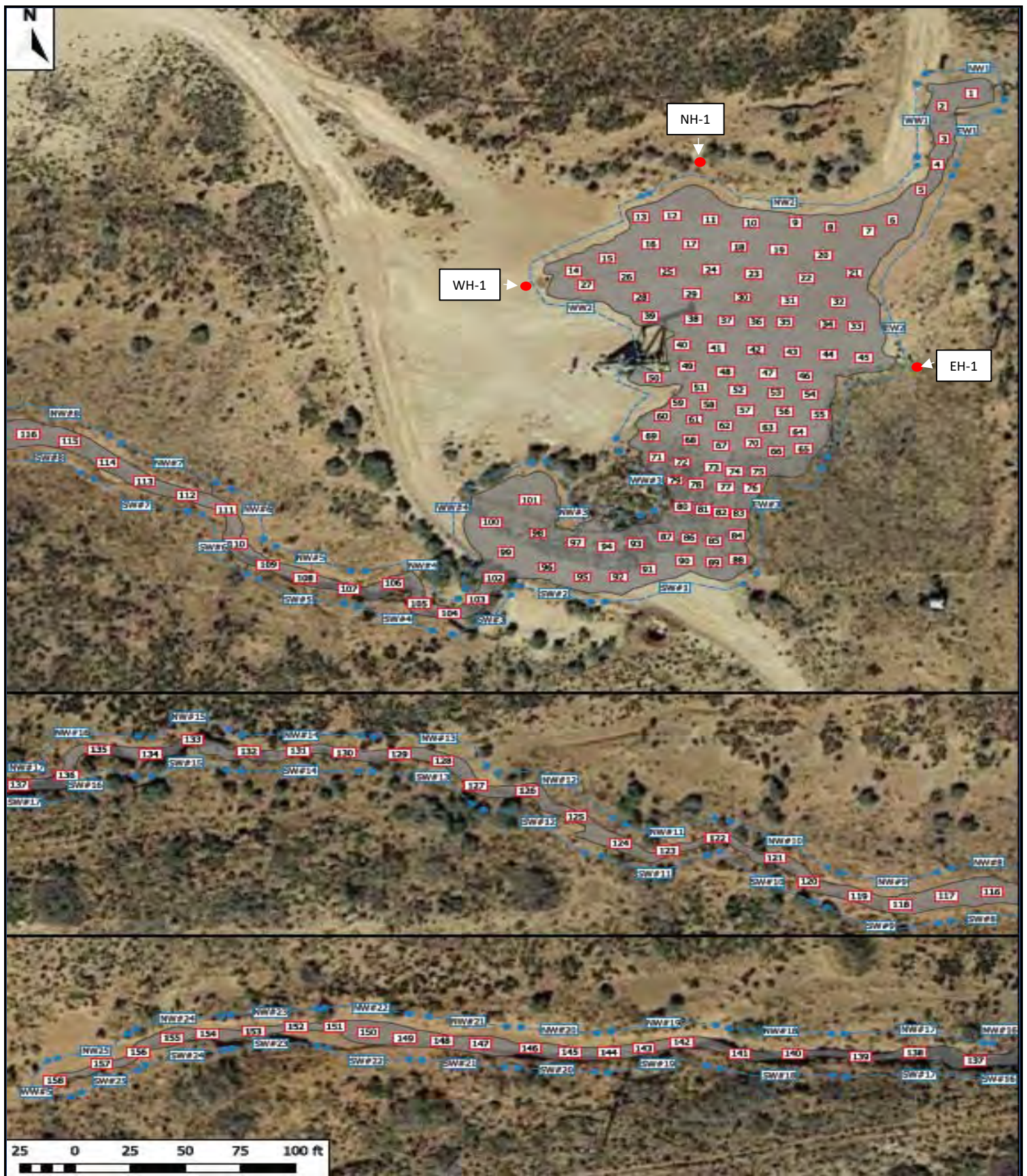
Aerial Proximity Map
Spur Energy Partners, LLC
Riser 70 Pipe 03
GPS: 32.825018, -103.884258
Eddy County



Drafted: mag Checked: jwl Date: 5/25/23

Figure 3

Site and Sample Location Map



- Legend:**
- Sample Point
 - Excavated Area

Figure 3
 Site and Sample Location Map
 Spur Energy Partners, LLC
 Riser 70 Main Line
 GPS: 32.825018, -103.884258
 Eddy County



Drafted:

Checked: jwl

Date: 2/28/24

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 Main Line
NMOCD Ref. #: nAPP2315139771

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 ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
EH - 1 @ S (EW2)	2/21/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
EH - 1 @ 1' (EW2)	2/21/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
NH - 1 @ S (NW2)	2/21/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
NH - 1 @ 1' (NW2)	2/21/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
WH - 1 @ S (WW2)	2/21/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
WH - 1 @ 1' (WW2)	2/21/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
WH @ Surf	6/1/2023	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
WH @ 1'	6/1/2023	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
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

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 Main Line
NMOCD Ref. #: nAPP2315139771

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 ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
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
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

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 Main Line
NMOCD Ref. #: nAPP2315139771

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 ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
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
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

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 Main Line
NMOCD Ref. #: nAPP2315139771

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 ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
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
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

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 Main Line
NMOCD Ref. #: nAPP2315139771

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 ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
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
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

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 Main Line
NMOCD Ref. #: nAPP2315139771

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 ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
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
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
V 1 @ Surf	6/1/2023	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	13,600
V 1 @ 3'	6/1/2023	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
V 2 @ Surf	6/1/2023	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	528
V 2 @ 4.5'	6/1/2023	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	11,300
V 3 @ Surf	6/1/2023	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,600
V 3 @ 4.5'	6/1/2023	4.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,520
V 4 @ Surf	6/1/2023	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
V 4 @ 3'	6/1/2023	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	832

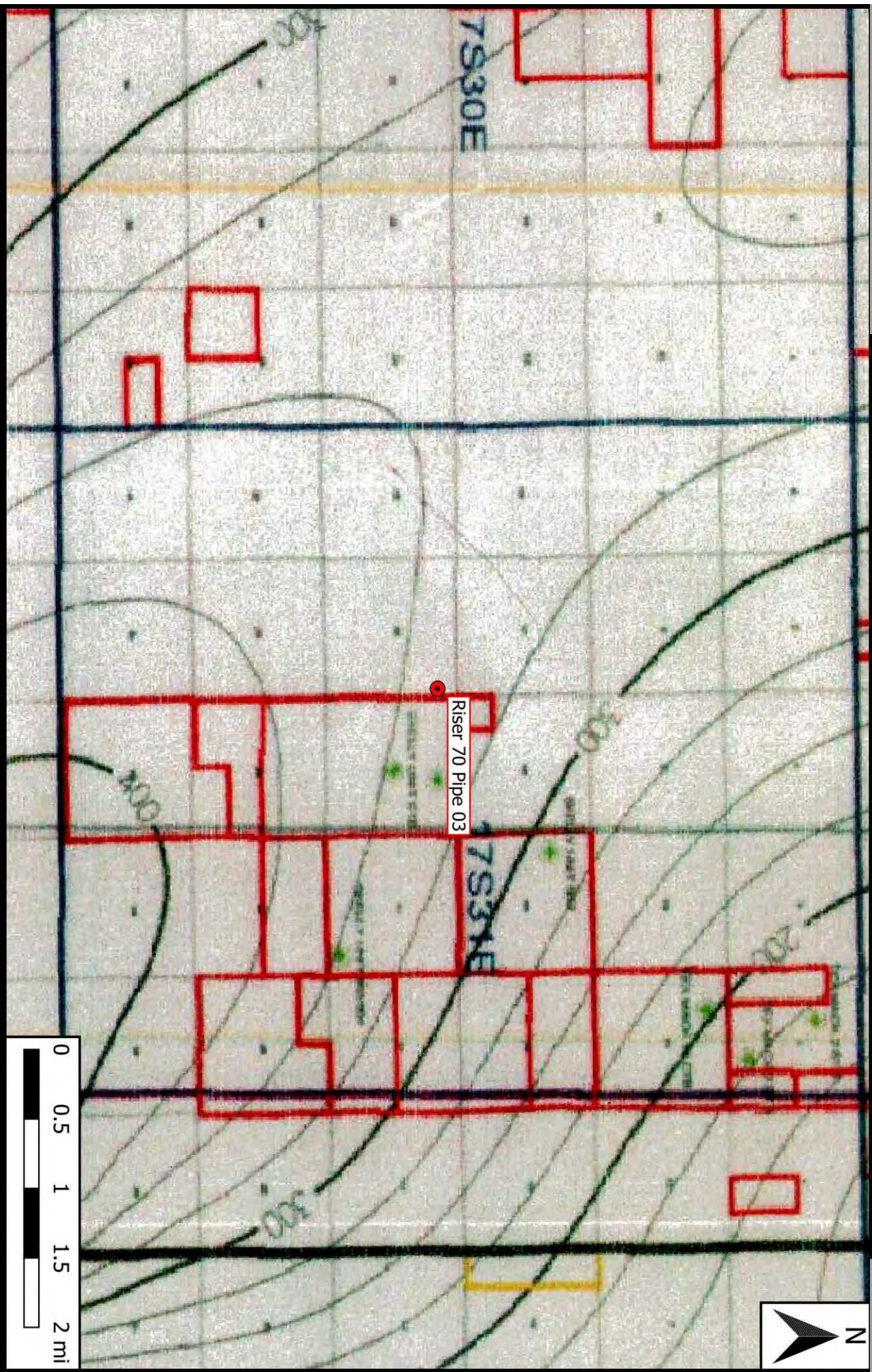
Dash (-): Sample not analyzed for that constituent.

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
RA 13235 POD1		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

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	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 103	52	55.80	W	* 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

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
4. HYDROGEOLOGIC LOG OF WELL	0	4	4	Sand, Fine-grained with caliche, Tanish white	Y ✓ N	
	4	14	10	Sand, Fine-grained, poorly graded, unconsolidated, Tann	Y ✓ N	
	17	70	53	Sand, Fine-grained, poorly graded, unconsolidated, Reddish Brown	Y ✓ N	
	70	102	32	Clay, consolidated, Reddish Brown	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00

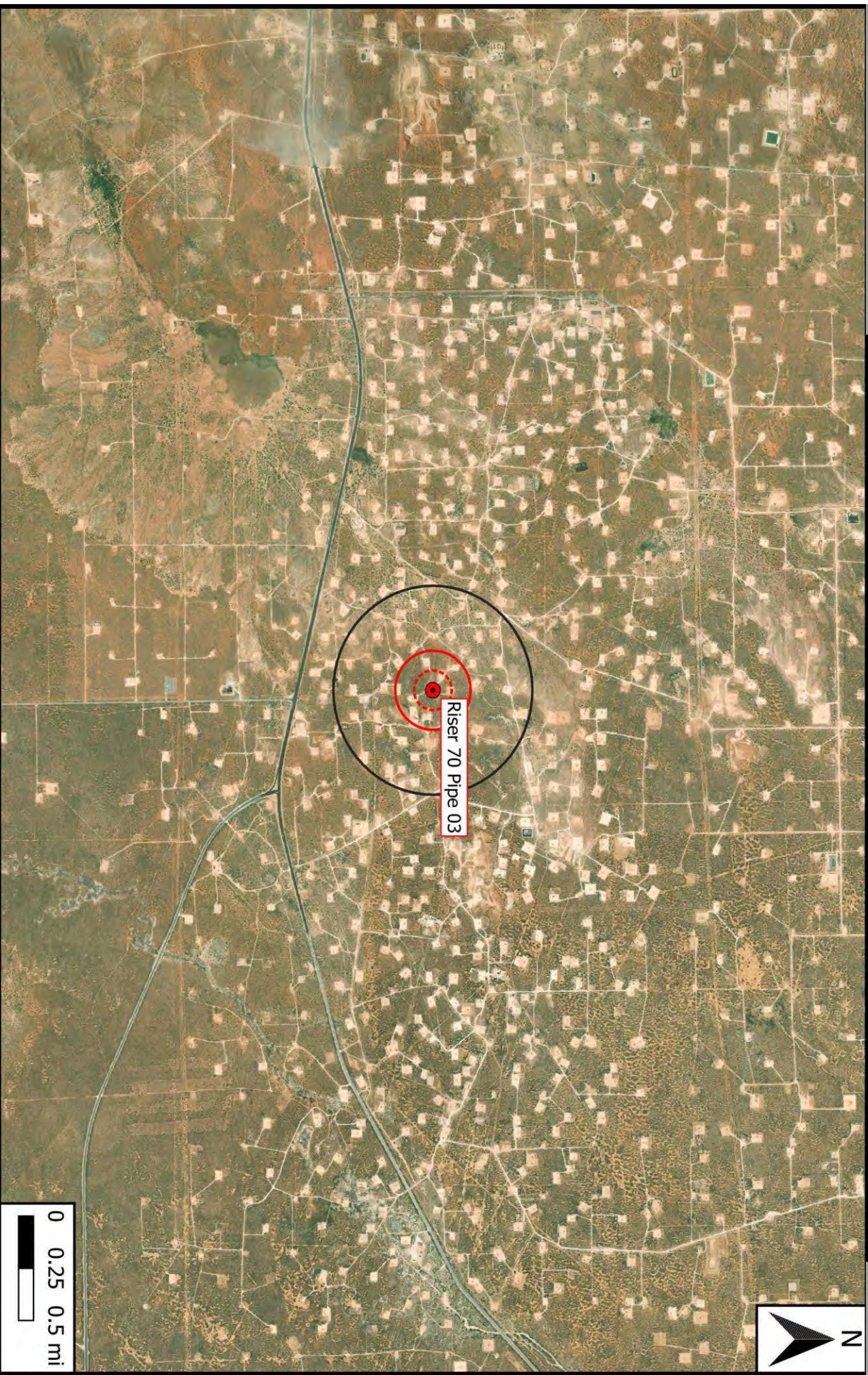
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Removed well material, back filled from total depth to 10 feet below ground surface. Then plugged using hydrated benonite hole plug from 10 below ground surface to surface.	
	OSE DTI NOV 4 2022 PM4:01	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt		

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 Jackie D. Atkins _____ SIGNATURE OF DRILLER / PRINT SIGNEE NAME	11/1/2022 _____ DATE

FOR OSE INTERNAL USE

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

FILE NO. BA - 13235	POD NO. 1	TRN NO. 733608
LOCATION 21.175.31E 111	WELL TAG ID NO. NA	PAGE 2 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. 10,240 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. 2492	
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
1WW#3.	-	6,204	
1WW#3.	-	2080	
FL# 71 @ 4ft	-	6,204	
FL# 72 @ 4ft	-	4,872	
FL# 73 @ 4ft	-	2,752	
EW#3.	-	2,580	
WW#3.	-	904	
WW#3.	-	1,292	
EW#3.	-	972	
WW#3.	-	1,816	
EW#3.	-	192	
1WW#3.	-	2,512	
WW#3.	-	1,744	
1WW#3.	-	285	
FL# 74 @ 4ft	-	4,872	
FL# 75 @ 4ft	-	5,724	
FL# 76 @ 4ft	-	7,312	
FL# 77 @ 4ft	-	4,152	
FL# 78 @ 4ft	-	6,204	
FL# 79 @ 4ft	-	4,872	
FL# 80 @ 4ft	-	2,308	
FL# 81 @ 4ft	-	4,500	
FL# 82 @ 4ft	-	2,752	
FL# 83 @ 4ft	-	10,340	
FL# 84 @ 4ft	-	604	
FL# 85 @ 4ft	-	4,764	
FL# 86 @ 4ft	-	2,144	
FL# 87 @ 4ft	-	3,180	
FL# 88 @ 4ft	-	2,684	
FL# 89 @ 4ft	-	1,696	
FL# 90 @ 4ft	-	3,180	
FL# 91 @ 4ft	-	2,684	
1WW#2.	-	1,872	
FL# 92 @ 4ft	-	3,452	
FL# 93 @ 4ft	-	2,924	
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

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.

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)

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, 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

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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	
DRO >C10-C28*	11.4	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

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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

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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)

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) 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	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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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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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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Analytical Results For:

Etech Environmental & Safety Solutions
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 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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 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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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:

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 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, SM4500CI-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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 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, SM4500Cl-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:

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 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, SM4500Cl-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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 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)

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) 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	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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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 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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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)

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) 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	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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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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Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
 2617 W MARLAND
 HOBBS NM, 88240
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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)

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	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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Analytical Results For:

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 HOBBS NM, 88240
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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, SM4500CI-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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Analytical Results For:

Etech Environmental & Safety Solutions
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 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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Analytical Results For:

Etech Environmental & Safety Solutions
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 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)

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		

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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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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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 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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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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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, 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 57.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.3 % 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 26 @ 1' (H233776-26)

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) 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	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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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)

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) 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	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)

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	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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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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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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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)

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	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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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, 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	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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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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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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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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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, SM4500Cl-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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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, SM4500Cl-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, SM4500Cl-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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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 43 @ 1' (H233776-43)

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	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, SM4500CI-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
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 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
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 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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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)

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) 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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 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:

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 HOBBS NM, 88240
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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, SM4500Cl-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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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)

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	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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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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 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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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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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)

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) 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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 HOBBS NM, 88240
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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)

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	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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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)

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	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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Analytical Results For:

Etech Environmental & Safety Solutions
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 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)

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	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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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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 HOBBS NM, 88240
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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, SM4500CI-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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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, 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 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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 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, SM4500Cl-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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Analytical Results For:

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 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)

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	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:

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 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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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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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)

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) 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	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)

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) 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
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 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)

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) 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:

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 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, 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	07/22/2023	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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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



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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: 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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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



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		BILL TO		ANALYSIS REQUEST																
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 (C)OMP.	MATRIX	PRESERV.	SAMPLING															
		# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME	Chloride	TPH	BTEX 8021				
H233776																				
1	FL 1 @ 4'	C			X				X			7/19/23	8:00	X	X	X				
2	FL 2 @ 4'	C			X				X			7/19/23	8:01	X	X	X				
3	FL 3 @ 4'	C			X				X			7/19/23	8:04	X	X	X				
4	FL 4 @ 1'	C			X				X			7/19/23	8:06	X	X	X				
5	FL 5 @ 1'	C			X				X			7/19/23	8:08	X	X	X				
6	FL 6 @ 1'	C			X				X			7/19/23	8:10	X	X	X				
7	FL 7 @ 1'	C			X				X			7/19/23	8:12	X	X	X				
8	FL 8 @ 1'	C			X				X			7/19/23	8:14	X	X	X				
9	FL 9 @ 1'	C			X				X			7/19/23	8:16	X	X	X				
10	FL 10 @ 1'	C			X				X			7/19/23	8:18	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 #:		REMARKS: Email results to zach@etechenv.com											
Relinquished By:		Time: 0905	Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:													
Relinquished By:		Date:	Received By:																	
Delivered By: (Circle One)		#140		Sample Condition		CHECKED BY: (Initials)														
Sampler - UPS - Bus - Other: - 1.6°				<input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No																

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

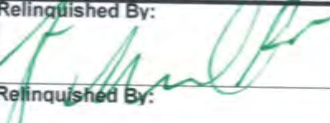


Company Name: Spur Energy Partners, LLC		BILL TO		ANALYSIS REQUEST																				
Project Manager: Zach Conder		P.O. #:																						
Address: 3100 Plains Hwy		Company: Spur Energy Partners, LLC																						
City: Lovington State: NM Zip: 88260		Attn: Kathy Purvis																						
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>UPS</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



Company Name: Spur Energy Partners, LLC Project Manager: Zach Conder Address: 3100 Plains Hwy City: Lovington State: NM Zip: 88260 Phone #: 575-396-2378 Fax #: 575-396-1429 Project #: 18238 Project Owner: Spur Energy Partners, LLC Project Name: Riser 70 Main Line Project Location: UL/ A Sec 20 T17S - R31E Sampler Name: Miguel R.				BILL TO P.O. #: Company: Spur Energy Partners, LLC Attn: Kathy Purvis Address: City: State: Zip: Phone #: Fax #:				ANALYSIS REQUEST																					
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																													
57	FL 51 @ 1'	C			X					X			7/19/23	9:40	X	X	X												
52	FL 52 @ 1'	C			X					X			7/19/23	9:42	X	X	X												
53	FL 53 @ 1'	C			X					X			7/19/23	9:44	X	X	X												
54	FL 54 @ 1'	C			X					X			7/19/23	9:46	X	X	X												
55	FL 55 @ 1'	C			X					X			7/19/23	9:48	X	X	X												
56	FL 56 @ 1'	C			X					X			7/19/23	9:50	X	X	X												
57	FL 57 @ 1'	C			X					X			7/19/23	9:52	X	X	X												
58	FL 58 @ 1'	C			X					X			7/19/23	9:54	X	X	X												
59	FL 59 @ 1'	C			X					X			7/19/23	9:56	X	X	X												
60	FL 60 @ 1'	C			X					X			7/19/23	9:58	X	X	X												
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Relinquished By: 		Date: 7-20-23 Time: 0905		Received By: 		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #: Add'l Fax #:		REMARKS: Email results to zach@etechenv.com <div style="text-align: center; font-size: 24pt; font-weight: bold; color: red;">RUSH</div>																			
Relinquished By:		Date: Time:		Received By:																									
Delivered By: (Circle One) Sampler - UPS - Bus - Other: -1.6i				Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) 																							



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		BILL TO		ANALYSIS REQUEST																				
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:																					
Project Location: UL/A Sec 20 T17S - R31E			Zip:																					
Sampler Name: Miguel R.			Phone #:																					
Fax #:																								
FOR LAB USE ONLY		# CONTAINERS	MATRIX					PRESERV.		SAMPLING		Chloride	TPH	BTEX 8021										
Lab I.D.	Sample I.D.		GROUNDWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE												TIME	
H233716	FL 61 @ 1'	C		X				X			7/19/23	10:00	X	X	X									
61	FL 62 @ 1'	C		X				X			7/19/23	10:02	X	X	X									
62	FL 63 @ 1'	C		X				X			7/19/23	10:04	X	X	X									
63	FL 64 @ 1'	C		X				X			7/19/23	10:06	X	X	X									
64	FL 65 @ 1'	C		X				X			7/19/23	10:08	X	X	X									
65	FL 66 @ 1'	C		X				X			7/19/23	10:10	X	X	X									
66	FL 67 @ 1'	C		X				X			7/19/23	10:12	X	X	X									
67	FL 68 @ 1'	C		X				X			7/19/23	10:14	X	X	X									
68	FL 69 @ 1'	C		X				X			7/19/23	10:16	X	X	X									
69	FL 70 @ 1'	C		X				X			7/19/23	10:18	X	X	X									
70																								

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Relinquished By:	Date: 7-20-23 Time: 0905	Received By:	Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date: Time:	Received By:	Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: -1.6c		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) yo

REMARKS: Email results to zach@etechenv.com

RUSH

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



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				BILL TO				ANALYSIS REQUEST													
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:		Zip:															
Project Name: Riser 70 Main Line				Phone #:																	
Project Location: UL/A Sec 20 T17S - R31E				Fax #:																	
Sampler Name: Miguel R.																					
FOR LAB USE ONLY																					
Lab I.D.		Sample I.D.		(GRAB OR C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING													
						GROUNDEWATER 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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Relinquished By: 				Date: 7-20-23 Time: 0905				Received By: 				Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:									
Relinquished By:				Date:				Received By:				Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Fax #:									
Delivered By: (Circle One) Sampler - UPS - Bus - Other: -1.6c				#140				Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No				CHECKED BY: (Initials) TO									
REMARKS: Email results to zach@etechenv.com																					
RUSH																					

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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.

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: 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 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

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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: 07/26/2023
 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 72 @ 4FT (H233902-02)

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	07/26/2023	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) 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

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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:	07/26/2023	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 73 @ 4FT (H233902-03)

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	07/26/2023	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) 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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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:	07/26/2023	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 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



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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)

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) 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	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

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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:	07/26/2023	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

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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: 07/26/2023
 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)

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) 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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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)

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	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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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 79 @ 4FT (H233902-09)

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) 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	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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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: EW #3 (H233902-10)

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	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	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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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: Produce SPN Energy Attn: Kathy Purnis Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST										
FOR LAB USE ONLY Lab I.D. H233902 Sample I.D.		GRAB OR (COMP.) # CONTAINERS		MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				PRESERV. ACID/BASE: ICE / COOL OTHER:		SAMPLING 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.		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 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
<p>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.</p>														
Relinquished By: Aaron Rios Date: 7-26-23 Time: 1235 Received By: Tamara Alday Date: Time:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS: Rush Please email results to pm@etechenv.com.												
Delivered By: (Circle One) 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"/> Yes <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/>												
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

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.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" being more prominent.

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.

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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**

Chloride	1600		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

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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
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

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	

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	
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**

Chloride	2760		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**

Chloride	9300		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*	225		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	
EXT DRO >C28-C36	63.8		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**

Chloride	6960		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	
DRO >C10-C28*	89.6		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	
EXT DRO >C28-C36	32.2		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**

Chloride	5440		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*	104		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	
EXT DRO >C28-C36	33.5		10.0	mg/kg	1	3072724	MS	27-Jul-23	8015B	

Surrogate: 1-Chlorooctane			106 %		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

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**

Chloride	2040		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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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**

Chloride	2680		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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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**

Chloride	2480		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	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>		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	

<i>Surrogate: 1-Chlorooctane</i>		101 %		48.2-134	3072724	MS	27-Jul-23	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>		111 %		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 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**

Chloride	1300		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

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

Surrogate: 1-Chlorooctadecane 116 % 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 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**

Chloride	3040		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**

Chloride	1800		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



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

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



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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

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 & Analyzed: 27-Jul-23

Chloride	ND	16.0	mg/kg							
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LCS (3072747-BS1)

Prepared & Analyzed: 27-Jul-23

Chloride	416	16.0	mg/kg	400		104	80-120			
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LCS Dup (3072747-BSD1)

Prepared & Analyzed: 27-Jul-23

Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	
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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 & 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-BS1)

Prepared & 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			

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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

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
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Batch 3072724 - General Prep - Organics**Blank (3072724-BLK1)**

Prepared & 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 & 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 & 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

Company Name: Etech Environmental & Safety Solutions, Inc.

P.O. #: **BILL TO**

ANALYSIS REQUEST

Project Manager: Zach Conder

Company: Spur Energy Partners

Address: 2617 W Marland

Attn: Kathy Purvis

City: Hobbs State: NM Zip: 88240

Phone #: (575) 264-9884 Fax #:

Address:

Project #: 18238

Project Owner: Spur Energy Partners

City:

Project Name: Riser 70 Pipe 03

State: NM Zip:

Project Location: Rural Eddy County, NM

Phone #:

Sampler Name: Aaron Rios

Fax #:

FOR LAB USE ONLY

(G)RAB OR (C)OMP.

CONTAINERS

MATRIX: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER:

PRESERV: ACID/BASE, ICE / COOL, OTHER:

SAMPLING

Lab I.D.

Sample I.D.

4233935

DATE

TIME

Chloride

TPH (8015M)

BTEX (8021B)

FL # 80 @ 4 Ft

C 1

X

7/26/23

X

X

X

FL # 81 @ 4 Ft

C 1

X

7/26/23

X

X

X

FL # 82 @ 4 Ft

C 1

X

7/26/23

X

X

X

FL # 83 @ 4 Ft

C 1

X

7/26/23

X

X

X

FL # 84 @ 4 Ft

C 1

X

7/26/23

X

X

X

FL # 85 @ 4 Ft

C 1

X

7/26/23

X

X

X

FL # 86 @ 4 Ft

C 1

X

7/26/23

X

X

X

FL # 87 @ 4 Ft

C 1

X

7/26/23

X

X

X

FL # 88 @ 4 Ft

C 1

X

7/26/23

X

X

X

FL # 89 @ 4 Ft

C 1

X

7/26/23

X

X

X

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Relinquished By:

Date: 7/27/23

Time: 9:35

Received By: Shawi Conder

Date:

Time:

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition

Cool Intact

Checked By: (Initials)

Phone Result: Yes No

Fax Result: Yes No

Add'l Phone #:

Add'l Fax #:

REMARKS:

RUSH SAMPLES 24hrs

Please email results and copy of CoC to pm@etechnv.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

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				P.O. #: Company: Spur Energy Partners Attn: Kathy Purvis Address: City: State: NM Zip: Phone #: Fax #:			
BILL TO				ANALYSIS REQUEST			
Lab I.D.				Sample I.D.			
42333935				42333935			
11 12 13 14 15				11 12 13 14 15			
FL # 90 @ 4 Ft FL # 91 @ 4 Ft SW # 1 WW # 3 NW # 2-5				FL # 90 @ 4 Ft FL # 91 @ 4 Ft SW # 1 WW # 3 NW # 2-5			
*84 4233				*84 4233			
Date: 7/27/23 Time: 9:35 Date: _____ Time: _____				Date: 7/26/23 Time: 7:26/23 Date: 7/26/23 Time: 7:26/23			
Relinquished By: _____ Received By: _____				Relinquished By: _____ Received By: _____			
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____				Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____			
Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
CHECKED BY: _____ (Initials)				CHECKED BY: _____ (Initials)			
REMARKS: *customer requested sample ID change. Reanalyzed 7/26/23 RUSH SAMPLES Please email results and copy of CoC to pm@etechenv.com.				REMARKS: *customer requested sample ID change. Reanalyzed 7/26/23 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.

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:	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)

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 96.9 % 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

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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)

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 98.2 % 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

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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)

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 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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*=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 # 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

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 # 127 @ 4FT (H234031-06)

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 97.0 % 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

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 # 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



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 # 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



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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 # 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)

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 96.0 % 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

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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 # 116 @ 4FT (H234031-13)

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 96.3 % 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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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



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 # 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



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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 # 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:

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 # 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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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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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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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)

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 97.0 % 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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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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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



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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: 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



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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: 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



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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: NW # 10 (H234031-27)

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 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)

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 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

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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)

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 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



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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: 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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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", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES
101 East 22nd St.

101 East Marland, Hobbs, NM 88240
(505) 398-2221

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476																
Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO												
Project Manager: Zack				P.O. #:												
Address: P.O. Box 301				Company: Star Energy LLC.												
City: Lovington				Attn:												
Phone #: (575) 396-2378		State: NM		Zip: 88260												
Fax #: (575) 396-1429		Project Owner:		Address:												
Project #: /5238				City:												
Project Name: Kiser 70 Pipe 03				State:												
Project Location: Rural Lea Co., Nm				Zip:												
Sampler Name: Aaron Pic's				Phone #:												
Fax #:				ANALYSIS REQUEST												
FOR LAB USE ONLY																
Lab I.D.	Sample I.D.	(GRAB OR C) COMP. # CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)	
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :								ACID/BASE:
H234031	1 NW#12.	X			X					X						
	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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Relinquished By: <i>Aaron Pic's</i>			Date: 8-1-23 Time: 0853		Received By: <i>[Signature]</i>			Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Add'l Phone #:		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Fax #:	
Relinquished By:			Date:		Received By:			REMARKS: <i>Rush</i> Please email results to pm@etechenv.com.								
Delivered By: (Circle One) Sampler - UPS - Bus - Other: - 4.2c			#140		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			CHECKED BY: (Initials) <i>[Signature]</i>								

FORM-006
Revision 1.0

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



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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

Phone #: (575) 396-2378

State: NM Zip: 88260

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)

Lab I.D.

Sample I.D.

H234031

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER

ACID/BASE:

ICE / COOL

OTHER

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

DATE

TIME

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TIME

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Relinquished By:

Aaron Kios

Relinquished By:

Date: 8/23

Time: 0853

Date:

Time:

Received By:

Stodkiewicz

Received By:

Phone Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

REMARKS:

Add'l Phone #:

Add'l Fax #:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

-42: #140

Sample Condition
Cool ☐ Intact ☐
Yes ☐ No ☐

CHECKED BY:
(Initials)

872

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

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 PRC 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.

(GRAB OR C/COMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER

ACID/BASE

ICE / COOL

OTHER

PRESERV.

SAMPLING

DATE

TIME

H234031

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: 8:55

Date:

Time:

Received By:

8 Rodriguez

Received By:

Phone Result:

☐ Yes ☐ No

Add'l Phone #:

Fax Result:

☐ Yes ☐ No

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)

8RC

Please email results to pm@etechenv.com.

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.

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 letters of the first and last names being capitalized and prominent.

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

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 # 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, SM4500Cl-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

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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, SM4500Cl-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)

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	08/02/2023	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 BTX	<0.300	0.300	08/02/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 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	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	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 # 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

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 # 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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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, SM4500Cl-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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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 # 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, SM4500Cl-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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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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Analytical Results For:

Etech Environmental & Safety Solutions
 ZACH CONDER
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 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 # 142 @ 4FT (H234074-11)

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	08/03/2023	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) 98.7 % 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	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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Analytical Results For:

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 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, SM4500Cl-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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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)

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) 97.4 % 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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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, SM4500Cl-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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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 # 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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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 # 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, 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	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



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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 # 149 @ 4FT (H234074-18)

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	08/03/2023	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) 97.9 % 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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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 # 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

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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: NW # 20 (H234074-20)

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	08/03/2023	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) 99.7 % 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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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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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)

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, 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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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



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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: NW # 16 (H234074-24)

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) 98.3 % 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	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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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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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)

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, 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



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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: NW # 18 (H234074-28)

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) 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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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
 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, 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 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 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: 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, 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 108 % 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:	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, 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	08/02/2023	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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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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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", is written over a horizontal line.

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 To Pipe 03 Project Location: Sampler Name: Aaron Rios				BILL TO P.O. #: Company: SPUR Energy LLC Attn: Address: City: State: Zip: Phone #: Fax #:				ANALYSIS REQUEST																		
FOR LAB USE ONLY Lab I.D. H234074		Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS	MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				PRESERV. ACID/BASE: ICE / COOL OTHER:		SAMPLING DATE TIME		Chloride TPH (8015M) BTEX (8021B)													
1 FL #132 @ 4ft				X										X	X	X										
2 FL #133 @ 4ft																										
3 FL #134 @ 4ft																										
4 FL #135 @ 4ft																										
5 FL #136 @ 4ft																										
6 FL #137 @ 4ft																										
7 FL #138 @ 4ft																										
8 FL #139 @ 4ft																										
9 FL #140 @ 4ft																										
10 FL #141 @ 4ft																										

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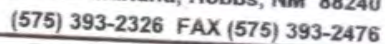
Relinquished By: Aaron Rios Date: 8-2-23 Time: 1120	Received By: [Signature] Date: Time:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS: Rush
Relinquished By: [Signature] Date: Time:	Received By: [Signature] Date: Time:	

Delivered By: (Circle One) Sampler <input checked="" type="radio"/> UPS <input type="radio"/> Bus <input type="radio"/> Other: - 6c 8c	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) [Signature]
--	--	---

Please email results to pm@etechenv.com.

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Revision 1.0

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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: Allen Rios				BILL TO P.O. #: Company: Star Energy LLC. Attn: Address: City: State: Zip: Phone #: Fax #:				ANALYSIS REQUEST <div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH (8015M)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX (8021B)</div> </div>											
Lab I.D.	Sample I.D.	(GRAB OR (COMP. # CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)									
H234074																			
21 SW# 15		X	GROUNDWATER																
22 NW# 15			WASTEWATER																
23 SW# 16			SOIL																
24 NW# 16			OIL																
25 SW# 17			SLUDGE																
26 NW# 17			OTHER																
27 SW# 18			ACID/BASE																
28 NW# 18			ICE / COOL																
29 SW# 19			OTHER																
30 NW# 19																			

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Relinquished By: [Signature] Date: 8-2-23 Time: 1120	Received By: [Signature] Date: Time:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No REMARKS: [Signature]	Add'l Phone #: Add'l Fax #:
--	--	--	--

Delivered By: (Circle One)
 [X] Sampler - UPS - Bus - Other: -6.8c #140

Sample Condition:
 Cool ☒ Yes ☐ No
 Intact ☒ Yes ☐ No

CHECKED BY:
 (Initials) [Signature]

Please email results to pm@etechenv.com.

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FORM-006 R 2.0



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.

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:	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 102 @ 4FT (H233980-01)

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	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 BTX	<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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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	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



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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 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



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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 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, SM4500Cl-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



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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 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, 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	08/03/2023	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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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: 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, 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	08/03/2023	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)

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	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 BTX	<0.300	0.300	08/04/2023	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	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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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 #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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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, SM4500Cl-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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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 #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, 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	08/03/2023	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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Analytical Results For:

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 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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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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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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Analytical Results For:

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 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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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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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



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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 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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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 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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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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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)

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) 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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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 #3 (H233980-22)

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	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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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



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

[illegible]



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: Aaron Rios

BILL TO

P.O. #:

Company: SPES 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)COMP.
CONTAINERS

GROUNDWATER
WASTEWATER
SOIL
OIL
SLUDGE
OTHER:

MATRIX

PRESERV.

SAMPLING

ACID/BASE:
ICE / COOL
OTHER:

DATE

TIME

Chloride

TPH (8015M)

BTEX (8021B)

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Relinquished By:

Date: 7/26/23

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 ☒ Yes ☐ No
Intact ☒ Yes ☐ 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.

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

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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)

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) 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

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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, SM4500Cl-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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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: 07/28/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

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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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 # 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, SM4500CI-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

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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 # 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)

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, SM4500Cl-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

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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: NW # 6 (H234006-08)

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) 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)

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) 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	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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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", is written over a horizontal line.

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: *Zeck*

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: *Acen Pios*

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

	FL #	QTY	FI
1	FL # 108.	Q 4	FI
2	FL # 109.	Q 4	FI
3	FL # 110.	Q 4	FI
4	FL # 111.	Q 4	FI
5	FL # 112.	Q 4	FI
6	FL # 113.	Q 4	FI
7	SW # 6.		
8	SW # 6.		
9	SW # 7.		
10	SW # 7.		

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

PRESERV.

SAMPLING

DATE

TIME

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Relinquished By:

Acen Pios

Relinquished By:

Date:

Time:

Date:

Time:

Received By:

Demetra

Received By:

Phone Result:

☐ Yes ☐ No

Add'l Phone #:

Fax Result:

☐ Yes ☐ No

Add'l Fax #:

REMARKS:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

2.3c

#140

Sample Condition

Cool Intact

☐ Yes ☐ Yes

☐ No ☐ No

CHECKED BY:

(Initials)

TO

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 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.

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:	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

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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, 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	08/08/2023	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

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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 # 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



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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 # 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, 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	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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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 # 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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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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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, 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	08/08/2023	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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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, 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	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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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 # 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

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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: 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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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, 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	08/08/2023	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, 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	08/08/2023	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)

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	08/09/2023	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 BTX	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 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	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
 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: 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, 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	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
 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 # 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

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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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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: 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

(GRAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

PRESERV.

SAMPLING

DATE

TIME

1 FL # 151 @ 4 ft
2 FL # 152 @ 4 ft
3 FL # 153 @ 4 ft
4 FL # 154 @ 4 ft
5 FL # 155 @ 4 ft
6 FL # 156 @ 4 ft
7 FL # 157 @ 4 ft
8 FL # 158 @ 4 ft
9 SW # 25
10 NW 25

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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

#140

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

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 Rio				BILL TO P.O. #: Company: SP Energy LLC. Attn: Address: City: State: Zip: Phone #: Fax #:				ANALYSIS REQUEST																									
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING		Chloride TPH (8015M) BTEX (8021B)															
										</																							



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

February 26, 2024

ROBBIE RUNNELS

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 02/21/24 14:49.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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.

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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 02/21/2024
 Reported: 02/26/2024
 Project Name: RISER 70 MAIN LINE
 Project Number: 18238
 Project Location: SPUR - UL/A SEC20 T17S T31E

Sampling Date: 02/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EH - 1 @ S (EW2) (H240853-01)

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	02/24/2024	ND	1.93	96.3	2.00	8.30		
Toluene*	<0.050	0.050	02/24/2024	ND	2.00	99.8	2.00	5.61		
Ethylbenzene*	<0.050	0.050	02/24/2024	ND	1.98	99.2	2.00	6.04		
Total Xylenes*	<0.150	0.150	02/24/2024	ND	6.03	100	6.00	5.47		
Total BTEX	<0.300	0.300	02/24/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	02/23/2024	ND	432	108	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	02/23/2024	ND	176	88.2	200	6.44	
DRO >C10-C28*	<10.0	10.0	02/23/2024	ND	182	91.0	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	02/23/2024	ND					

Surrogate: 1-Chlorooctane 71.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.9 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 02/21/2024
 Reported: 02/26/2024
 Project Name: RISER 70 MAIN LINE
 Project Number: 18238
 Project Location: SPUR - UL/A SEC20 T17S T31E

Sampling Date: 02/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EH - 1 @ 1' (EW2) (H240853-02)

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	02/24/2024	ND	1.93	96.3	2.00	8.30		
Toluene*	<0.050	0.050	02/24/2024	ND	2.00	99.8	2.00	5.61		
Ethylbenzene*	<0.050	0.050	02/24/2024	ND	1.98	99.2	2.00	6.04		
Total Xylenes*	<0.150	0.150	02/24/2024	ND	6.03	100	6.00	5.47		
Total BTEX	<0.300	0.300	02/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	02/23/2024	ND	432	108	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	02/23/2024	ND	176	88.2	200	6.44	
DRO >C10-C28*	<10.0	10.0	02/23/2024	ND	182	91.0	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	02/23/2024	ND					

Surrogate: 1-Chlorooctane 73.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 02/21/2024
 Reported: 02/26/2024
 Project Name: RISER 70 MAIN LINE
 Project Number: 18238
 Project Location: SPUR - UL/A SEC20 T17S T31E

Sampling Date: 02/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WH - 1 @ S (WW2) (H240853-03)

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	02/24/2024	ND	1.93	96.3	2.00	8.30		
Toluene*	<0.050	0.050	02/24/2024	ND	2.00	99.8	2.00	5.61		
Ethylbenzene*	<0.050	0.050	02/24/2024	ND	1.98	99.2	2.00	6.04		
Total Xylenes*	<0.150	0.150	02/24/2024	ND	6.03	100	6.00	5.47		
Total BTEX	<0.300	0.300	02/24/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	02/23/2024	ND	432	108	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	02/23/2024	ND	176	88.2	200	6.44	
DRO >C10-C28*	<10.0	10.0	02/23/2024	ND	182	91.0	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	02/23/2024	ND					

Surrogate: 1-Chlorooctane 70.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.7 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 02/21/2024
 Reported: 02/26/2024
 Project Name: RISER 70 MAIN LINE
 Project Number: 18238
 Project Location: SPUR - UL/A SEC20 T17S T31E

Sampling Date: 02/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WH - 1 @ 1' (WW2) (H240853-04)

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	02/24/2024	ND	1.93	96.3	2.00	8.30		
Toluene*	<0.050	0.050	02/24/2024	ND	2.00	99.8	2.00	5.61		
Ethylbenzene*	<0.050	0.050	02/24/2024	ND	1.98	99.2	2.00	6.04		
Total Xylenes*	<0.150	0.150	02/24/2024	ND	6.03	100	6.00	5.47		
Total BTEx	<0.300	0.300	02/24/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	02/23/2024	ND	432	108	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	02/23/2024	ND	176	88.2	200	6.44	
DRO >C10-C28*	<10.0	10.0	02/23/2024	ND	182	91.0	200	4.69	
EXT DRO >C28-C36	<10.0	10.0	02/23/2024	ND					

Surrogate: 1-Chlorooctane 71.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.0 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 02/21/2024
 Reported: 02/26/2024
 Project Name: RISER 70 MAIN LINE
 Project Number: 18238
 Project Location: SPUR - UL/A SEC20 T17S T31E

Sampling Date: 02/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NH - 1 @ S (NW2) (H240853-05)

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	02/24/2024	ND	1.93	96.3	2.00	8.30		
Toluene*	<0.050	0.050	02/24/2024	ND	2.00	99.8	2.00	5.61		
Ethylbenzene*	<0.050	0.050	02/24/2024	ND	1.98	99.2	2.00	6.04		
Total Xylenes*	<0.150	0.150	02/24/2024	ND	6.03	100	6.00	5.47		
Total BTEX	<0.300	0.300	02/24/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/23/2024	ND	432	108	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	02/22/2024	ND	186	93.1	200	2.43	
DRO >C10-C28*	<10.0	10.0	02/22/2024	ND	184	91.8	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	02/22/2024	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.1 % 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
 ROBBIE RUNNELS
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 02/21/2024
 Reported: 02/26/2024
 Project Name: RISER 70 MAIN LINE
 Project Number: 18238
 Project Location: SPUR - UL/A SEC20 T17S T31E

Sampling Date: 02/21/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NH - 1 @ 1' (NW2) (H240853-06)

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	02/24/2024	ND	1.93	96.3	2.00	8.30		
Toluene*	<0.050	0.050	02/24/2024	ND	2.00	99.8	2.00	5.61		
Ethylbenzene*	<0.050	0.050	02/24/2024	ND	1.98	99.2	2.00	6.04		
Total Xylenes*	<0.150	0.150	02/24/2024	ND	6.03	100	6.00	5.47		
Total BTEx	<0.300	0.300	02/24/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/23/2024	ND	432	108	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	02/22/2024	ND	186	93.1	200	2.43	
DRO >C10-C28*	<10.0	10.0	02/22/2024	ND	184	91.8	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	02/22/2024	ND					

Surrogate: 1-Chlorooctane 76.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.4 % 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

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

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

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

[illegible]

Appendix D

Photographic Log

Photographic Log

Photo Number: 1	 <p>May 31, 2023 at 8:31:16 AM +32.825493,-103.883955 ±5.00m 223° SW</p>
Photo Direction: Southwest	
Photo Description: View of release area.	

Photo Number: 2	 <p>May 31, 2023 at 8:27:28 AM +32.824726,-103.884154 ±5.00m 281° W</p>
Photo Direction: West	
Photo Description: View of release area.	

Photographic Log



Photo Number: 3	 <p>May 31, 2023 at 8:27:07 AM +32.824909,-103.884059 ±5.00m 241° SW</p>
Photo Direction: Southwest	
Photo Description: View of release area.	

Photo Number: 4	 <p>May 31, 2023 at 8:29:10 AM +32.824677,-103.884641 ±5.00m 274° W</p>
Photo Direction: West	
Photo Description: View of release area.	

Photographic Log




Photo Number: 5	<div>May 31, 2023 at 8:58:12 AM +32.825162,-103.887645 ±5.00m 84° E</div> 
Photo Direction: East	
Photo Description: View of release area.	

Photo Number: 6	<div>May 31, 2023 at 8:57:22 AM +32.825081,-103.888092 ±5.00m 71° E</div> 
Photo Direction: East	
Photo Description: View of release area.	


Photographic Log

Photo Number: 7	 <p>Aug 1, 2023 at 11:10:42 AM +32.825135,-103.887419 142° SE Eddy County</p>
Photo Direction: Southeast	
Photo Description: View of excavated area.	

Photo Number: 8	 <p>Aug 1, 2023 at 11:35:08 AM +32.825097,-103.884627 138° SE Eddy County</p>
Photo Direction: Southeast	
Photo Description: View of excavated area.	



Photographic Log

Photo Number: 9	
Photo Direction: East	
Photo Description: View of excavated area.	

Photo Number: 10	
Photo Direction: Southwest	
Photo Description: View of excavated area.	

Photographic Log

Photo Number: 11	 <div>Aug 1, 2023 at 11:32:59 AM +32.825125,-103.888509 130° SE Eddy County</div> 
Photo Direction: Southeast	
Photo Description: View of excavated area.	

Photo Number: 12	 <div>Aug 1, 2023 at 11:35:16 AM +32.825097,-103.884627 221° SW Eddy County</div> 
Photo Direction: Southwest	
Photo Description: View of excavated area.	

Photographic Log



Photo Number: 13	<div>Aug 15, 2023 at 3:25:49 PM +32.824802,-103.884609 Loco Hills NM 88255 United States</div> 
Photo Direction: West	
Photo Description: View of area after backfill and grading.	

Photo Number: 14	<div>Aug 15, 2023 at 3:25:17 PM +32.824892,-103.884587 Loco Hills NM 88255 United States</div> 
Photo Direction: South	
Photo Description: View of area after backfill and grading.	

Photographic Log



Photo Number: 15	<div>Aug 15, 2023 at 3:28:27 PM +32.825039,-103.888477 Loco Hills NM 88255 United States</div> 
Photo Direction: East	
Photo Description: View of area after backfill and grading.	

Photo Number: 16	<div>Aug 15, 2023 at 3:24:49 PM +32.825204,-103.884791 Loco Hills NM 88255 United States</div> 
Photo Direction: South	
Photo Description: View of area after backfill and grading.	

Appendix E

Correspondence

Robbie Runnels

From: OCDOnline@state.nm.us
Sent: Friday, February 16, 2024 1:38 PM
To: Robbie Runnels
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 315246

You don't often get email from ocdonline@state.nm.us. [Learn why this is important](#)

To whom it may concern (c/o Robbie Runnels for Spur Energy Partners LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2218631423.

The sampling event is expected to take place:

When: 02/20/2024 @ 14:00

Where: A-20-17S-31E 0 FNL 0 FEL (32.825421,-103.883867)

Additional Information: Robbie Runnels, 432-282-9143, robbie@etechenv.com

Additional Instructions: From the intersection of NM-529 and US-82 (GPS: 32.813503, -103.876084), head W on US-82 for 1.00 mi, then N for 0.62 mi, then NE for 0.19 mi, then SE for 0.05 mi, then S for 0.14 mi, then SE for 0.06 mi to arrive at the Riser 70 Pipe 03 release area (GPS: 32.825018, -103.884258).

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

Electronic C-141 Supplemental Documentation

Spur Energy Partners, LLC

Riser 70 Main Line

Eddy County, New Mexico

Unit Letter A, Section 20, Township 17 South, Range 31 East

Latitude 32.825018 North, Longitude 103.884258 West

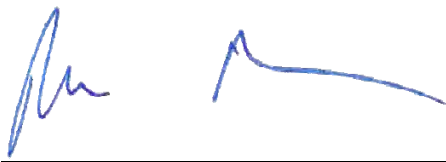
NMOCD Reference No. nAPP2315139771

Prepared By:

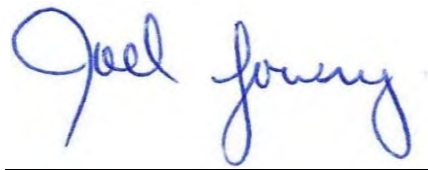
Etech Environmental & Safety Solutions, Inc.

2617 W. Marland

Hobbs, New Mexico 88240



Robbie Runnels



Joel W. Lowry



Midland • San Antonio • Lubbock • Hobbs • Lafayette

TABLE OF CONTENTS

	<i>Section</i>
ELECTRONIC SAMPLING NOTIFICATION	1.0
SUPPLEMENTAL SITE CHARACTERIZATION ANSWERS.....	2.0
SUPPLEMENTAL REMEDIATION PLAN ANSWERS.....	3.0
SUPPLEMENTAL DEFERRAL REQUEST ANSWERS.....	4.0
SUPPLEMENTAL CLOSURE REQUEST ANSWERS.....	5.0

1.0 ELECTRONIC SAMPLING NOTIFICATION

Date of first excavation confirmation soil sample collection:	6/1/2023
Total area sampled (sq. ft.):	26,200
Total number of excavation confirmation soil samples:	216
Primary sample technician:	Aaron Rios
Contact information of primary sample technician:	aaron@etechnv.com 4326539132

Driving directions to Site:

From the intersection of NM-529 and US-82 (GPS: 32.813503, -103.876084), head W on US-82 for 1.00 mi, then N for 0.62 mi, then NE for 0.19 mi, then SE for 0.05 mi, then S for 0.14 mi, then SE for 0.06 mi to arrive at the Riser 70 Pipe 03 release area (GPS: 32.825018, -103.884258).

Email and/or verbal final sampling notifications may have previously been conducted. In order to submit an electronic C-141 Closure Report an electronic sampling notification containing the above information must be placed online in the NMOCD Portal.

2.0 SUPPLEMENTAL SITE CHARACTERIZATION ANSWERS

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)?

Between 100 and 500 (ft.)

Please reference depth to groundwater information packet provided in the C-141 Closure Report

What method was used to determine the depth to groundwater?

NM OSE iWaters Database

Please reference depth to groundwater information packet provided in the C-141 Closure Report. It is possible that one or more methods were utilized to make a reasonable determination of probable depth to groundwater.

Did this release impact groundwater or surface water?

No

Please reference the attached C-141 Closure Report.

What is the minimum distance between the closest lateral extents of the release and the following surface areas?

A continuously flowing watercourse or any other significant watercourse?

1 to 5 (mi.)

Please reference Figure 1 in the attached C-141 Closure Report and/or the attached Figure.

Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?

> 5 (mi.)

Please reference Figure 2 in the attached C-141 Closure Report and/or the attached Figure.

An occupied permanent residence, school, hospital, institution or church?

> 5 (mi.)

Please reference Figure 2 in the attached C-141 Closure Report and/or the attached Figure.

A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?

> 5 (mi.)

Please reference Figure 2 in the attached C-141 Closure Report and/or the attached Figure.

Any other fresh water well or spring?

> 5 (mi.)

Please reference Figure 2 in the attached C-141 Closure Report and/or the attached Figure.

Incorporated municipal boundaries or a defined municipal fresh water well field?

> 5 (mi.)

Please reference Figure 1 in the attached C-141 Closure Report and/or the attached Figure.

A wetland?

1 to 5 (mi.)

Please reference Figure 2 in the attached C-141 Closure Report and/or the attached Figure.

A subsurface mine?

> 5 (mi.)

Please reference Figure 2 in the attached C-141 Closure Report and/or the attached Figure.

A (non-karst) unstable area?

> 5 (mi.)

Please reference Figure 2 in the attached C-141 Closure Report and/or the attached Figure.

Categorize the risk of this well/site being in a karst geology.

Low

Please reference Figure 2 in the attached C-141 Closure Report and/or the attached Figure.

A 100-year floodplain

1 to 5 (mi.)

Please reference Figure 2 in the attached C-141 Closure Report and/or the attached Figure.

Did the release impact areas not on an exploration, development, production, or storage site?

Yes

Please reference Figure 3 in the attached C-141 Closure Report and/or the attached Figure.

3.0 SUPPLEMENTAL REMEDIATION PLAN ANSWERS

Requesting a remediation plan approval with this submission?

Yes

Answer yes to this question if you are uploading a C-141 Workplan or a C-141 Closure (at-risk closure)

Have the lateral and vertical extents of contamination been fully delineated?

Yes

Please reference Figure 3 in the attached C-141 Report and/or the attached Figure.

Was this release entirely contained within a lined containment area?

No

Please reference Figure 3 in the attached C-141 Report and/or the attached Figure.

Soil Contamination Sampling: (Provide the highest observable concentration for each, in mg/kg.)

Chloride (EPA 300.0 or SM4500 CL b)

13,600

TPH (GRO + DRO +MRO) (EPA SW-846 Method 8015M)

1020

GRO+DRO (EPA SW-846 Method 8015M)

789

BTEX (EPA SW-846 Method 8021B or 8260B)

<0.150

Benzene (EPA SW-846 Method 8021B or 8260B)

<0.025

Please reference Table 1 in the attached C-141 Report and/or the attached Table 1.

On what estimated date did, or will the remediation commence?

7/19/2023

On what date did, or will the final sampling or liner inspection occur?

8/2/2023

On what date will (or was) the remediation complete(d).

8/2/2023

Please reference the attached C-141 Report and/or the attached Table 1.

What is the estimated surface area (in sq. ft.) that will *eventually* be reclaimed?

23800

What is the estimated volume (in cy) that has or will *eventually* be reclaimed?

4540

What is the estimated surface area (in sq. ft.) that has or will be remediated?

26200

What is the estimated volume (in cy) that has or will be remediated?

1800

Please reference Figure 6 in the attached C-141 Report and/or the attached Figure.

This remediation will (or is expected to) utilize the following processes to remediate/reduce contaminants:

(Ex Situ) excavation and off-site disposal (i.e. dig and haul)

Yes

Which OCD approved facility will be used for off-site disposal?

Lea Land, Inc.

fEEM0112342028

4.0 SUPPLEMENTAL DEFERRAL REQUEST ANSWERS (if applicable)

Are you requesting a deferral of remediation closure due date with the approval of this submission?

No

Have the lateral and vertical extents of contamination been fully delineated?

Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction?

What is the remaining surface area (sq. ft.) that will still need to be remediated if a deferral is granted?

What is the remaining volume (cy) that will still need to be remediated if a deferral is granted?

Enter the facility ID (f#) on which the deferral should be granted:

Enter the API (30-) on which the deferral should be granted:

Contamination does not cause an imminent risk to human health, the environmental or groundwater:

5.0 SUPPLEMENTAL REMEDIATION CLOSURE REQUEST ANSWERS

Not to be used if a deferral is being requested.

Requesting a remediation closure approval with this submission?

Yes

Note: an electronic sampling notification or electronic liner inspection notice before proceeding past this step.

Have the lateral and vertical extents of contamination been fully delineated?

Yes

Was the release entirely contained within a lined containment area?

No

Note: you must have done an electronic sampling notification before proceeding past this step.

What was the total surface area (sq. ft.) remediated?

22600

What was the total volume (cy) remediated?

4540

All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste containing earthen material with concentrations of less than 600 mg/kg chloride, 100 mg/kg TPH, 50 mg/kg BTEX and 10 mg/kg Benzene?

Yes

What was the total surface area (sq. ft.) reclaimed?

22600

What was the total volume (cy) reclaimed?

4540

Summarize any additional remediation activities not included by answers above?



- Layer List
- Layers
- ☐

OSE Water PODs

...
- ☐

M2.5+ Earthquakes (USGS 30-day)

...
- ☐

NM Oil and Gas Wells

...
- ☐

Incidents (C-141)

...
- ☐

Facilities

...
- ☐

USGS Groundwater wells

...
- ☐

Induced Seismicity Area

...
- ☐

Permian Basin Karst Areas

...
- ☐

BLM Oil Gas Leases Case Disp

...
- ☐

BLM Oil Gas Leases Production Status

...
- ☐

BLM Fluid Minerals Case

...
- ☐

BLM FM Agreements Case Disp

...
- ☐

BLM FM Agreements Production Status

...
- ☐

BLM FM Participating Areas Case Disp

...
- ☐

NM SLO Oil and Gas Leases

...
- ☐

NM SLO Participating Area and Unit Agreement Boundaries

...
- ☐

Political Boundaries and Transportation

...
- ☒

Hydrology

...
- ☐

OCD Districts

...
- ☐

NM Oil and Gas Production Areas

...

+

-

Home

Clock

32.825018, -103.884258

X

Q

Show search results for 32.825...

Measurement

Feet

Measurement Result

9,526.7 Feet

Clear

Press CTRL to enable snapping

Search result

32°49'30.064"N 103°53'03.328"W

Zoom to

1 km

0.6 mi

-103.84459

32.84371

Degrees



- Layer List
- Layers
- ☐

OSE Water PIDs

...
- ☐

M2.5+ Earthquakes (USGS 30-day)

...
- ☐

NM Oil and Gas Wells

...
- ☐

Incidents (C-141)

...
- ☐

Facilities

...
- ☐

USGS Groundwater wells

...
- ☐

Induced Seismicity Area

...
- ☐

Permian Basin Karst Areas

...
- ☐

BLM Oil Gas Leases Case Disp

...
- ☐

BLM Oil Gas Leases Production Status

...
- ☐

BLM Fluid Minerals Case

...
- ☐

BLM FM Agreements Case Disp

...
- ☐

BLM FM Agreements Production Status

...
- ☐

BLM FM Participating Areas Case Disp

...
- ☐

NM SLO Oil and Gas Leases

...
- ☐

NM SLO Participating Area and Unit Agreement Boundaries

...
- ☐

Political Boundaries and Transportation

...
- ☐

Mineral and Surface Ownership

...
- ☐

Hydrology

...
- ☐

OCD Districts

...
- ☐

NM Oil and Gas Production Areas

...

+

-

Home

Refresh

32.825018, -103.884258

X

Q

Show search results for 32.825...

Measurement

Feet

Measurement Result

38,490.8 Feet

Clear

Press CTRL to enable snapping

Search result

32°49'30.064"N 103°53'03.328"W

Zoom to

1mi

2km

-103.85865

32.84899

Degrees

Layer List

Layers

☐

OSE Water POIs

...

☐

M2.5+ Earthquakes (USGS 30-day)

...

☐

NM Oil and Gas Wells

...

☐

Incidents (C-141)

...

☐

Facilities

...

☒

USGS Groundwater wells

...

☐

Induced Seismicity Area

...

☐

Permian Basin Karst Areas

...

☐

BLM Oil Gas Leases Case Disp

...

☐

BLM Oil Gas Leases Production Status

...

☐

BLM Fluid Minerals Case

...

☐

BLM FM Agreements Case Disp

...

☐

BLM FM Agreements Production Status

...

☐

BLM FM Participating Areas Case Disp

...

☐

NM SLO Oil and Gas Leases

...

☐

NM SLO Participating Area and Unit Agreement Boundaries

...

☐

Political Boundaries and Transportation

...

☐

Mineral and Surface Ownership

...

☒

Hydrology

...

☒

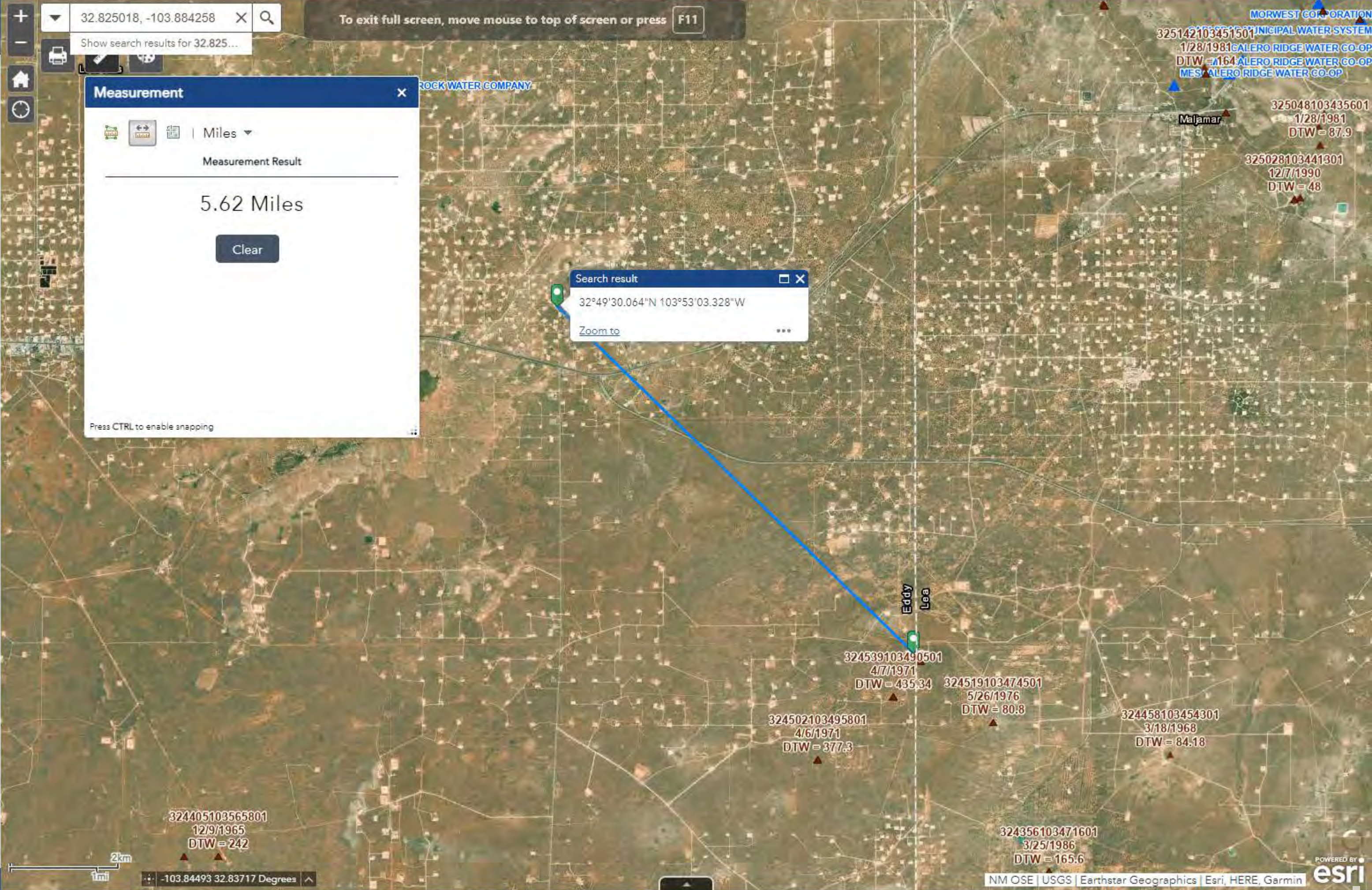
NMED Drinking Water Systems

...

☐

OSE Streams

...



Layer List

Layers

☐ OSE Water POIs

...

☐ M2.5+ Earthquakes (USGS 30-day)

...

☐ NM Oil and Gas Wells

...

☐ Incidents (C-141)

...

☐ Facilities

...

☒ USGS Groundwater wells

...

☐ Induced Seismicity Area

...

☐ Permian Basin Karst Areas

...

☐ BLM Oil Gas Leases Case Disp

...

☐ BLM Oil Gas Leases Production Status

...

☐ BLM Fluid Minerals Case

...

☐ BLM FM Agreements Case Disp

...

☐ BLM FM Agreements Production Status

...

☐ BLM FM Participating Areas Case Disp

...

☐ NM SLO Oil and Gas Leases

...

☐ NM SLO Participating Area and Unit Agreement Boundaries

...

☐ Political Boundaries and Transportation

...

☐ Mineral and Surface Ownership

...

☒ Hydrology

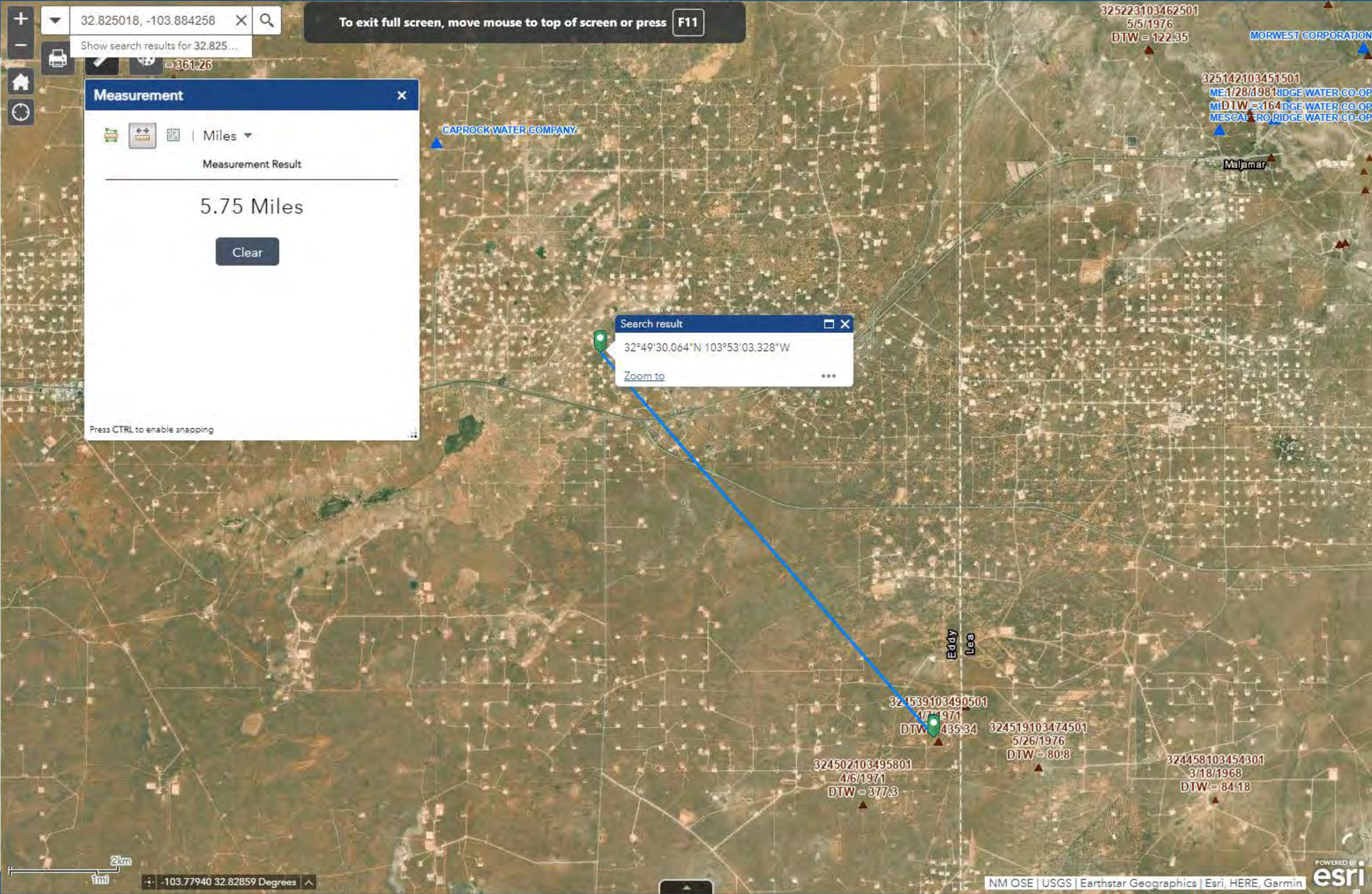
...

☒ NMED Drinking Water Systems

...

☐ OSE Streams

...



This aerial map displays a proposed pipeline route in the Maljamar area of New Mexico. The route is highlighted in red and begins near Lovington, NM, passing through Cedar Lake and ending near Maljamar, NM. The map includes a scale bar indicating a length of 7.17 miles and a coordinate system (Lon: -103.87178°, Lat: 32.8516°). The map is powered by Esri and includes a copyright notice for the U.S. Geological Survey and New Mexico Environment Department.

- BASEMAPS >
- MAP LAYERS >
- ☒ Wetlands

☐ Riparian

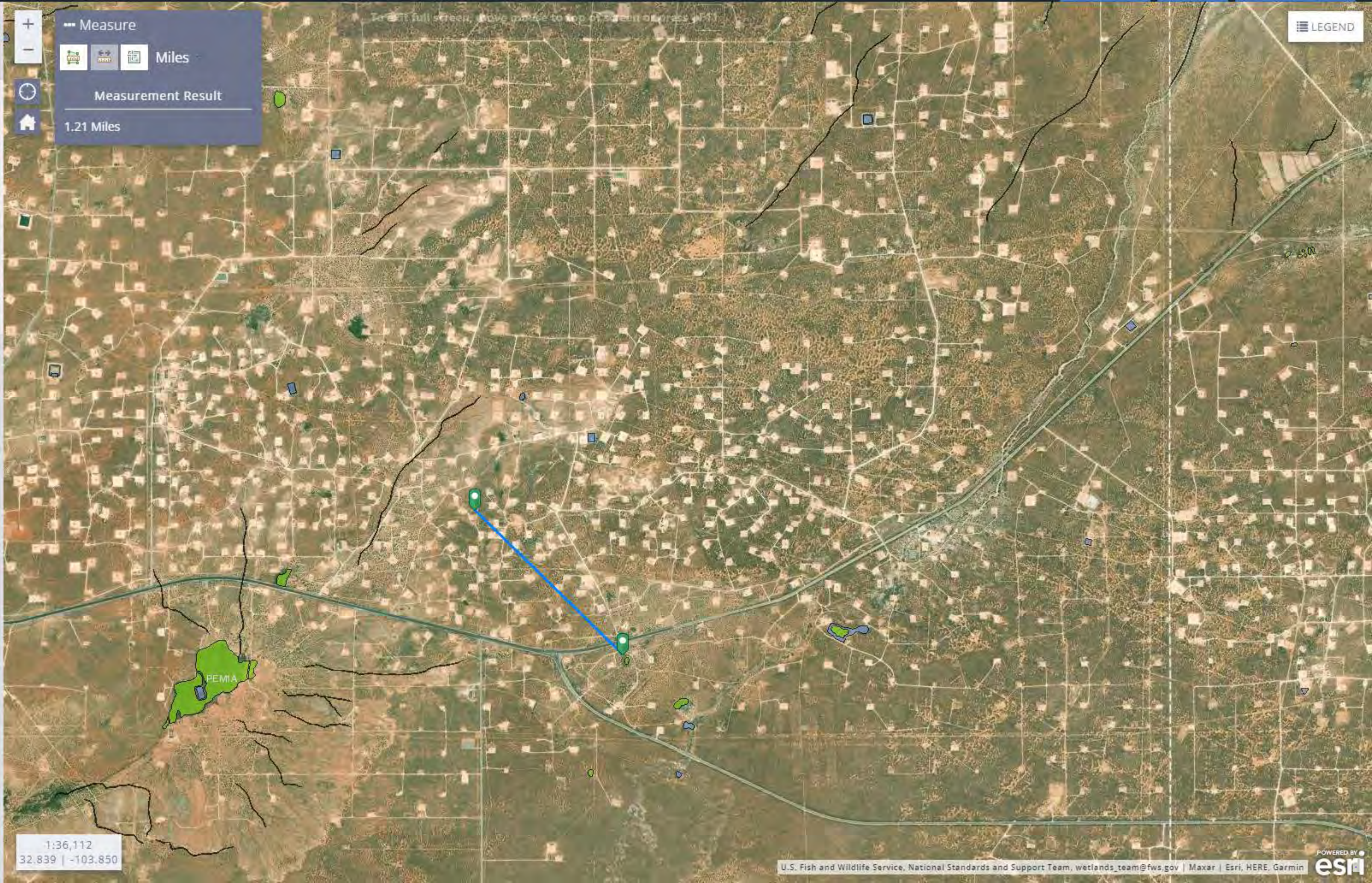
☐ Riparian Mapping Areas

☐ Data Source
 - Source Type
 - Image Scale
 - Image Year

☐ Areas of Interest

☐ FWS Managed Lands

☐ Historic Wetland Data



+

-

Measure

Miles

Measurement Result

1.21 Miles

1:36,112
32.839 | -103.850



Layer List

Layers

- ☒ Registered Mines
- ☐ Mineral_and_Surface_Ownership
- ☐ Land Ownership
 - BLM
 - BOR
 - DOD
 - DOE
 - FS
 - FWS
 - I
 - NPS
 - P
 - S
 - SGF
 - SP
 - USDA
 - VCNP
- ☐ Mineral Ownership
- ☒ Public Land Survey System (PLSS)
 - PLSS Townships
 - PLSS First Division
 - PLSS Second Division

32.825018, -103.884258

To exit full screen, move mouse to top of screen or press F11

Show search results for 32.825018, -1...

Measurement

Miles

Measurement Result

11.5 Miles

Clear

Press CTRL to enable snapping

Search result

32°49'30.064"N 103°53'03.328"W

Zoom to

App State

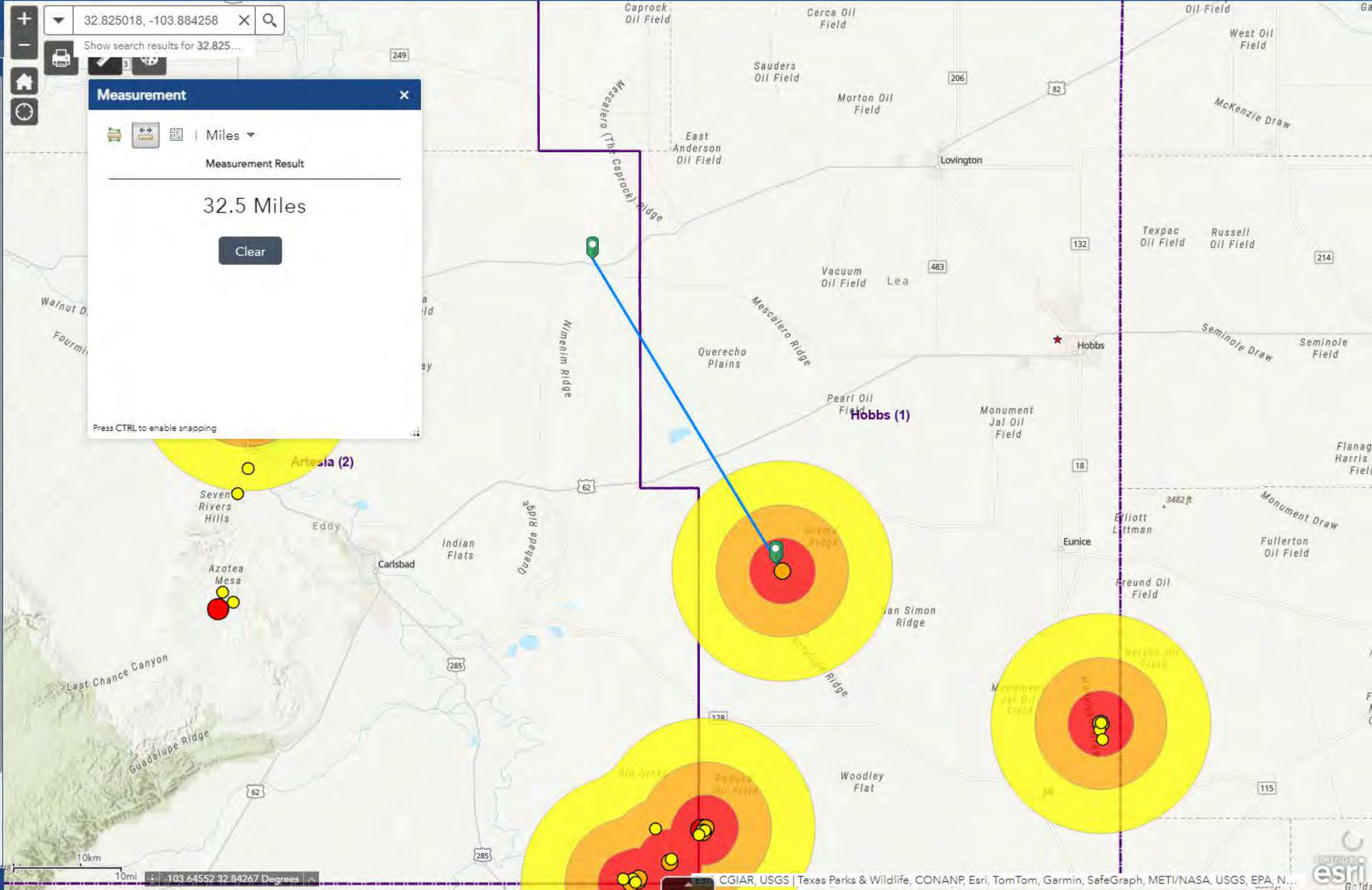
Click to restore the map extent and layers visibility where you left off.



Layer List

Layers

- ☐ QSE Water PIDs
- ☐ M2.5+ Earthquakes (USGS 30-day)
- ☐ NM Oil and Gas Wells
- ☐ Incidents (C-141)
- ☐ Facilities
- ☐ USGS Groundwater Wells
- ☒ Induced Seismicity Area
- ☐ Permian Basin Karst Areas
 - ☐ Critical Karst Resource Area
 - ☐ Karst Occurrence Potential
- ☐ BLM Oil Gas Leases Case Disp
- ☐ BLM Oil Gas Leases Production Status
- ☐ BLM Fluid Minerals Case
- ☐ BLM FM Agreements Case Disp
- ☐ BLM FM Agreements Production Status
- ☐ BLM FM Participating Areas Case Disp
- ☐ NM SLO Oil and Gas Leases
- ☐ NM SLO Participating Area and Unit Agreement Boundaries
- ☐ Political Boundaries and Transportation
- ☐ Mineral and Surface Ownership
- ☐ Hydrology





Legend

Permian Basin Karst Areas

Critical Karst Resource Area

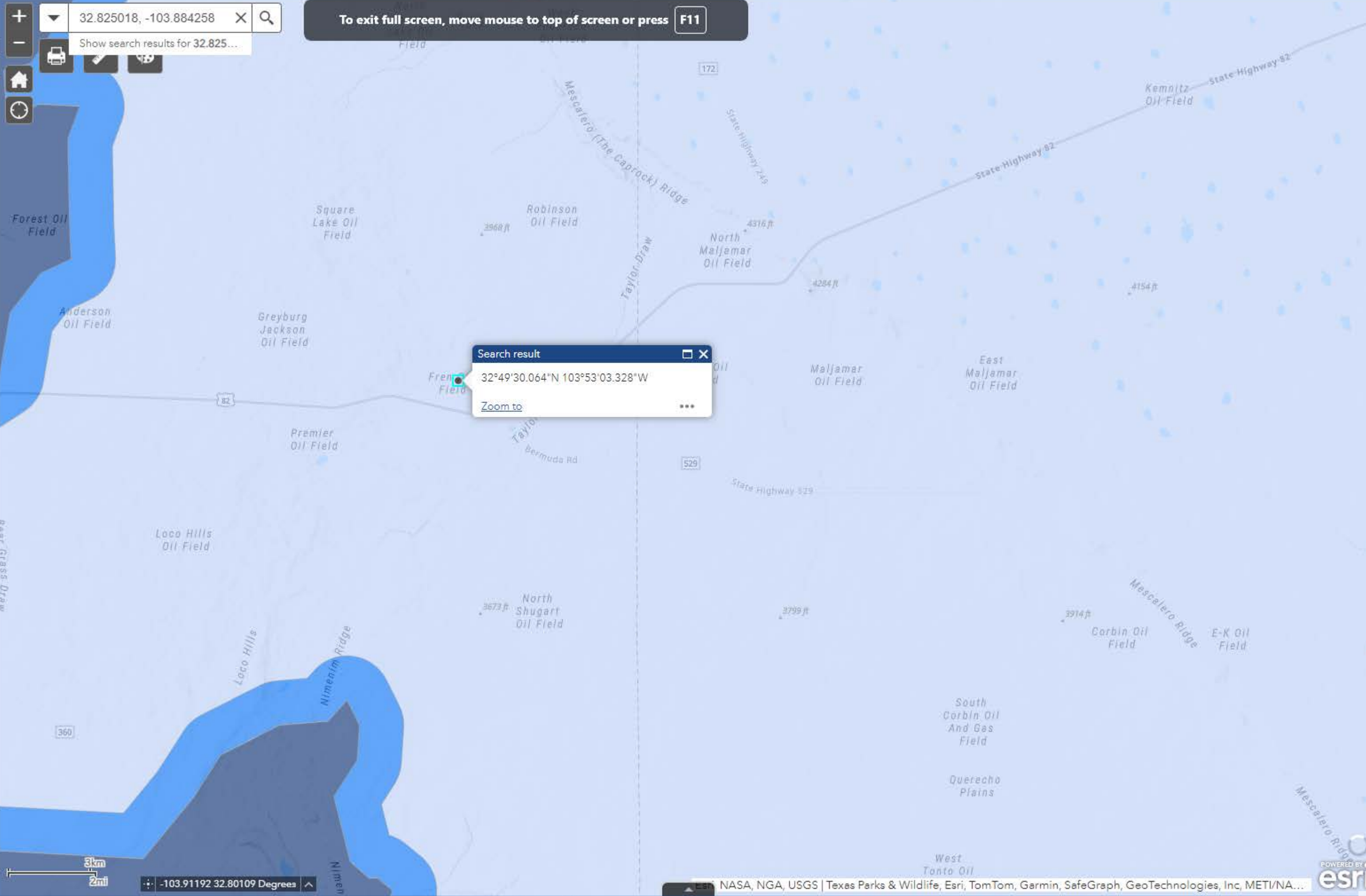
Karst Occurrence Potential

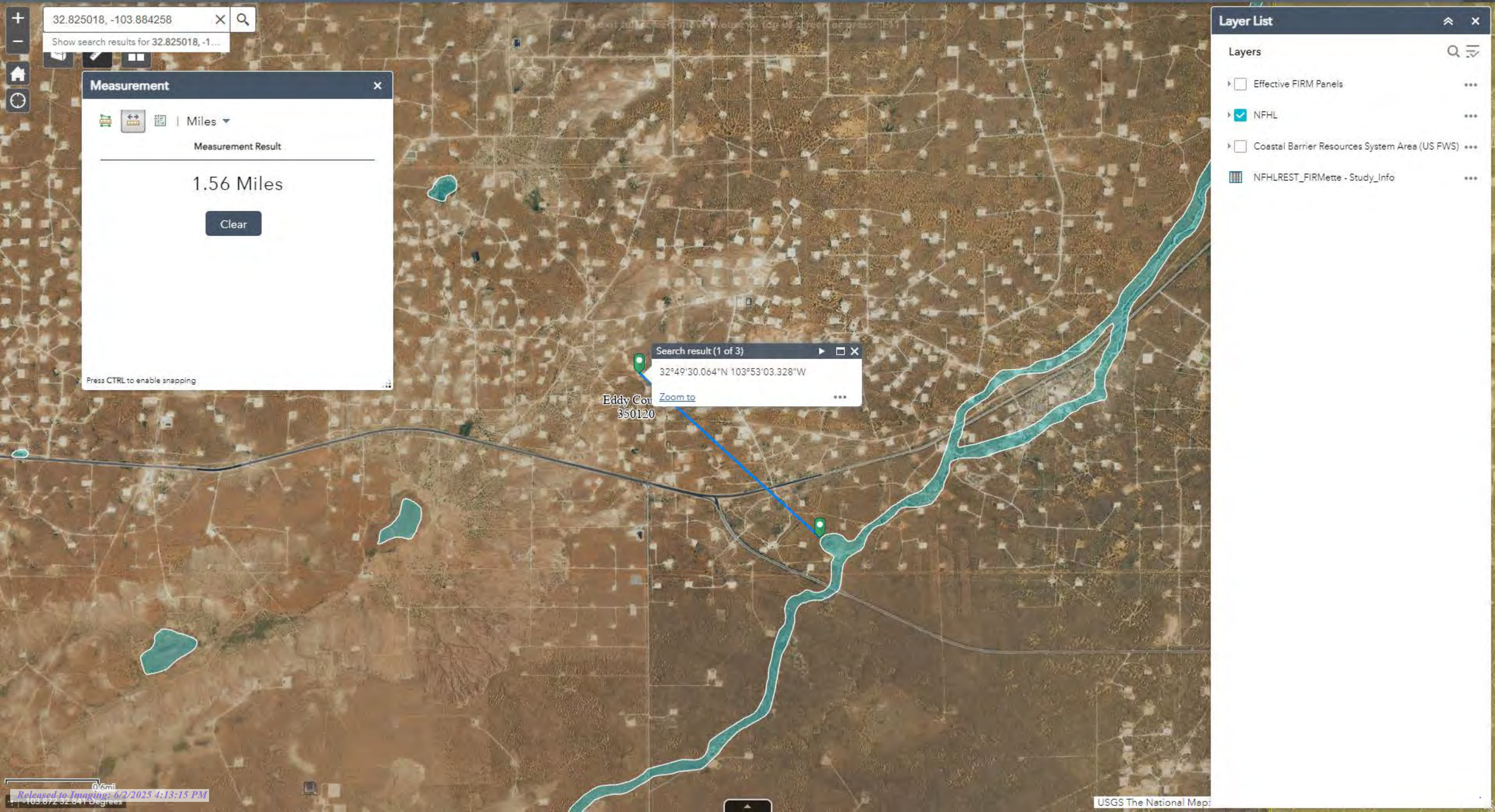
Potential

High

Medium

Low





32.825018, -103.884258

Show search results for 32.825018, -1...

Measurement

Miles

Measurement Result

1.56 Miles

Clear

Press CTRL to enable snapping

Search result (1 of 3)

32°49'30.064"N 103°53'03.328"W

[Zoom to](#)

Eddy Cou
350120

Layer List

Layers

- ☐ Effective FIRM Panels
- ☒ NFHL
- ☐ Coastal Barrier Resources System Area (US FWS)
- ☒ NFHLREST_FIRMette - Study_Info

0.6mi

Released to Imaging: 6/2/2025 4:13:15 PM

103.872 32.841 Degrees

USGS The National Map

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 465770

QUESTIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 465770
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2315139771
Incident Name	NAPP2315139771 RISER 70 MAIN LINE @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source*Please answer all the questions in this group.*

Site Name	RISER 70 MAIN LINE
Date Release Discovered	05/30/2023
Surface Owner	Federal

Incident Details*Please answer all the questions in this group.*

Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release*Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Pipeline (Any) Produced Water Released: 75 BBL Recovered: 35 BBL Lost: 40 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	CORRSION OF THE 10" STEEL PIPE BODY CAUSED A RELEASE OF PRODUCED WATER INTO THE PASTURE

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 2

Action 465770

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 465770
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	N/A

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 05/21/2025
--	--

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 3

Action 465770

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 465770
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	13600
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1020
GRO+DRO (EPA SW-846 Method 8015M)	788
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	07/14/2023
On what date will (or did) the final sampling or liner inspection occur	03/07/2025
On what date will (or was) the remediation complete(d)	10/18/2024
What is the estimated surface area (in square feet) that will be reclaimed	32000
What is the estimated volume (in cubic yards) that will be reclaimed	4660
What is the estimated surface area (in square feet) that will be remediated	32000
What is the estimated volume (in cubic yards) that will be remediated	4660

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

Sante Fe Main Office
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General Information
Phone: (505) 629-6116

Online Phone Directory
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QUESTIONS, Page 4

Action 465770

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:	328947
	Action Number:	465770
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 05/21/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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Action 465770

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 465770
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 465770

QUESTIONS (continued)

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 465770
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	438844
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/07/2025
What was the (estimated) number of samples that were to be gathered	8
What was the sampling surface area in square feet	800

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	32000
What was the total volume (cubic yards) remediated	4600
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	32000
What was the total volume (in cubic yards) reclaimed	4600
Summarize any additional remediation activities not included by answers (above)	Contaminated soils within the inferred release area where removed in accordance with the NMOCD standards
<i>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 (in .pdf format) 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.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Katherine Purvis Title: EHS Coordinator Email: katherine.purvis@spurenergy.com Date: 05/21/2025

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Action 465770

QUESTIONS (continued)

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	Action Number: 465770
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 465770

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 465770
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	6/2/2025