

Remediation Summary & Soil Closure Request

XTO Energy, Inc.

Nash Riser 11

Eddy County, New Mexico

Unit Letter "F", Section 6, Township 24 South, Range 30 East

Latitude 32.24695 North, Longitude 103.92247 West

NMOCD Reference No. nAPP2415234797

Prepared By:

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2.0 SITE CHARACTERIZATION

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (bgs)?	Between 100 and 500 (ft.)
What method was used to determine the depth to groundwater?	NM OSE iWaters Database Search
Did the release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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 1 and 5 (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?	Between 1 and 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?	Greater than 5 (mi.)
A wetland?	Between 1 and 5 (mi.)
A subsurface mine?	Greater than 5 (mi.)
A (non-karst) unstable area?	Between 1 and 5 (mi.)
Categorize the risk of this well/site being in a karst geology.	Low
A 100-year floodplain?	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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 in Appendix A.

Additional NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) and Fish and Wildlife Services (FWS) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted in Figures 1, 2A, 2B, and 4.

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 Standards for the Site are as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria**†	Reclamation Standard*‡
Between 100 and 500 (ft.)	Chloride (Cl-)	EPA** 300.0 or SM4500 Cl B	20,000	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	2,500	100
	Gas Range Organics + Diesel Range Organics (GRO+DRO)	EPA SW-846 Method 8015M	1,000	N/A
	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)

** Environmental Protection Agency

† 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 INITIAL SITE ASSESSMENT

On June 17, 2024, Etech conducted an initial site assessment. During the initial site assessment, eight (8) hand-augered soil bores (SP 1 through SP 8) were advanced within the release margins in an effort to determine the vertical extent of impacted soil. In addition, a series of 11 hand-augered soil bores (NHW 1, NHW 2, NHW 3, EHW 1, EHW 2, EHW 3, SHW 1, SHW 2, SHW 3, WHW 1, and WHW 2) were advanced along the release margins to determine the horizontal extent of impacted soil. During the advancement of the hand-augered soil bores, soil samples were collected and field-screened for the presence of Volatile Organic Compounds (VOCs) utilizing olfactory/visual senses and/or concentrations of chloride utilizing a Hach Quantab® chloride test kit.

Based on field observations and field test data, a total of 38 delineation soil samples (NHW 1 @ Surf, NHW 1 @ 1', NHW 2 @ Surf, NHW 2 @ 1', NHW 3 @ Surf, NHW 3 @ 1', EHW 1 @ Surf, EHW 1 @ 1', EHW 2 @ Surf, EHW 2 @ 1', EHW 3 @ Surf, EHW 3 @ 1', SHW 1 @ Surf, SHW 1 @ 1', SHW 2 @ Surf, SHW 2 @ 1', SHW 3 @ Surf, SHW 3 @ 1', WHW 1 @ Surf, WHW 1 @ 1', WHW 2 @ Surf, WHW 2 @ 1', SP 1 @ Surf, SP 1 @ 3', SP 2 @ Surf, SP 2 @ 3', SP 3 @ Surf, SP 3 @ 3', SP 4 @ Surf, SP 4 @ 3', SP 5 @ Surf, SP 5 @ 3', SP 6 @ Surf, SP 6 @ 3', SP 7 @ Surf, SP 7 @ 2', SP 8 @ Surf, and SP 8 @ 1') were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that the vertical extent of impacted soil was adequately defined and ranged from one (1) foot bgs in the area characterized by sample point SP 8 to three (3) feet bgs in the areas characterized by sample points SP 1 through SP 7. The horizontal extent of impacted soil was adequately defined in the areas characterized by sample points NHW 1, NHW 2, NHW 3, EHW 1, EHW 2, EHW 3, SHW 1, SHW 2, SHW 3, WHW 1, and WHW 2.

The locations of the hand-augered soil borings are depicted in Figure 3A, "Sample Location Map - Delineation".

5.0 REMEDIATION ACTIVITIES SUMMARY

On July 10, 2024, Etech commenced remediation activities at the Site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a chloride test kit were utilized to field-screen the horizontal and vertical extent of impacted soil and to guide the excavation. The sidewalls and floor of the excavation were advanced until field tests and field observations suggested that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards. Representative five-point composite confirmation soil samples were collected every 200 square feet from the sidewalls and floor of the excavated area to be submitted for laboratory analysis. A summary of soil sampling events is provided below:

Constituent	Highest Observable Concentration (mg/kg)	Sample ID	Sample Date	Sample Depth (ft bgs)	Soil Status
Chloride	7,120	SP 1 @ Surf	6/17/24	0	Excavated
TPH	<30.0	All submitted soil samples	6/17, 7/12, 7/16 & 7/31/24	0 - 5	In-Situ & Excavated
GRO+DRO	<20.0	All submitted soil samples	6/17, 7/12, 7/16 & 7/31/24	0 - 5	In-Situ & Excavated
BTEX	<0.300	All submitted soil samples	6/17, 7/12, 7/16 & 7/31/24	0 - 5	In-Situ & Excavated
Benzene	<0.050	All submitted soil samples	6/17, 7/12, 7/16 & 7/31/24	0 - 5	In-Situ & Excavated

Please reference Table 1 for additional information.

Requesting a remediation plan approval with this submission?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Have the lateral and vertical extents of contamination been fully delineated?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Was this release entirely contained within a lined containment area?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
On what estimated date will (or did) the remediation commence?	7/10/2024	
On what date will (or did) the final sampling or liner inspection occur?	7/31/2024	
On what date will (or was) the remediation complete(d)?	8/23/2024	
What is the total surface area (sq. ft.) in need of or that will <i>eventually</i> be reclaimed?	5,012	
What is the total volume (cy) in need of or that will <i>eventually</i> be reclaimed?	497	
What was the total surface area (sq. ft.) that has or will be remediated?	5,012	
What was the total volume (cy) that has or will be remediated?	840	
This remediation utilized the following processes to remediate/reduce contaminants: (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Soil Vapor Extraction	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Ground Water Abatement pursuant to 19.15.30 NMAC	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Other (Non-listed remedial process)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Which OCD approved facility was or will be used for off-site disposal?	R360 Halfway Facility	
NMOCD Disposal Facility ID?	fEEM0112334510	
Summarize any additional remediation activities not included by answers above.	See below	

On July 12, 2024, Etech collected 12 confirmation soil samples (NW 1, NW 2, EW 1, SW 1, WW 1, WW 2, and FL 1 @ 3.5' through FL 6 @ 3.5') from the sidewalls and floor of the excavated area. The 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 applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory method detection limit (MDL). Chloride concentrations ranged from less than the laboratory MDL in soil sample FL 5 @ 3.5' to 160 mg/kg in soil sample FL 1 @ 3.5'.

On July 16, 2024, Etech collected nine (9) confirmation soil samples (NW 3, EW 2, and FL 7 @ 2' through FL 13 @ 3') from the sidewalls and floor of the excavated area. The 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 applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory MDL. Chloride concentrations ranged from less than the laboratory MDL in soil sample FL 12 @ 2' to 112 mg/kg in soil sample FL 9 @ 3.5'.

On July 31, 2024, Etech collected 15 confirmation soil samples (SW 2, SW 3, SW 4, and FL 14 @ 1' through FL 25 @ 3') from the sidewalls and floor of the excavated area. The 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 applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory MDL. Chloride concentrations ranged from less than the laboratory MDL in soil sample FL 22 @ 3' to 320 mg/kg in soil sample SW 2.

The final dimensions of the excavated area were approximately 96 to 106 feet in length, 8 to 62 feet in width, and 1 to 3.5 feet in depth. During the course of remediation activities, Etech transported approximately 840 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported an equivalent volume of locally sourced, non-impacted material to the Site for use as backfill.

Soil sample locations and the extent of the excavated area are depicted in Figure 3B, "Sample Location Map - Excavation". Soil chemistry data is summarized in Table 1. Field data is provided in Appendix B. General photographs of the Site are provided in Appendix C. Laboratory analytical reports are provided in Appendix D. Copies of all regulatory correspondence are provided in Appendix E.

6.0 SOIL CLOSURE REQUEST

Requesting a deferral of remediation closure due date with the approval of this submission?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Requesting a remediation closure approval with this submission?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Have the lateral and vertical extents of contamination been fully delineated?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Was this release entirely contained within a lined containment area?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the site's existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
What was the total surface area (sq. ft.) remediated?	5,012	
What was the total volume (cy) remediated?	840	

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

Based on laboratory analytical results and field activities conducted to date, Etech recommends XTO Energy, Inc., provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request remediation closure approval be granted to the Site.

7.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

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?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Requesting a reclamation approval with this submission?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Requesting a restoration complete approval with this submission?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
What was the total surface area (in square feet) reclaimed?	5,012	
What was the total volume (in cubic yards) reclaimed?	497	

On August 7 – 9 and August 23, 2024, upon receiving laboratory analytical results from confirmation soil samples, the excavated area was backfilled with locally sourced, non-impacted, "like" material emplaced at or near original relative positions. The affected areas were 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 during the first favorable growing season following closure of the Site. The seed mix will be certified as weed-free and installed at the prescribed rate utilizing either a seed drill or a broadcaster and harrow.

8.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *Remediation Summary & 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 XTO Energy, Inc. Use of the information contained in this report is prohibited without the consent of Etech and/or XTO Energy, Inc.

9.0 DISTRIBUTION

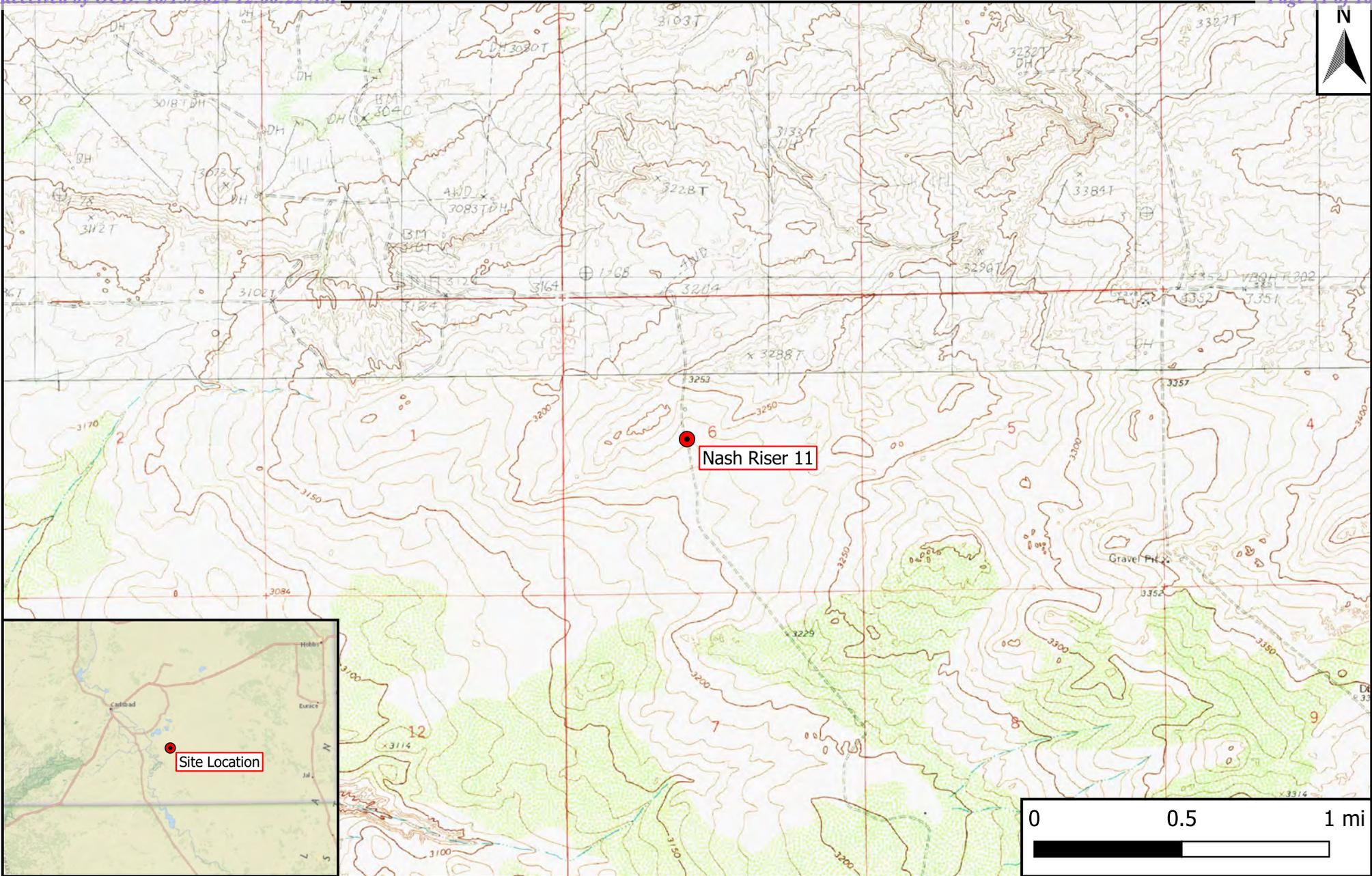
XTO Energy, Inc.
3104 E. Greene St.
Carlsbad, NM 88220

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 Site Location Map



Legend
 ● Site Location

Figure 1
 Site Location Map
 XTO Energy, Inc.
 Nash Riser 11
 GPS: 32.24695, -103.92247
 Eddy County, New Mexico



Drafted: bja Checked: rlc Date: 8/7/23

Figures 2A & 2B

Site Characterization Maps

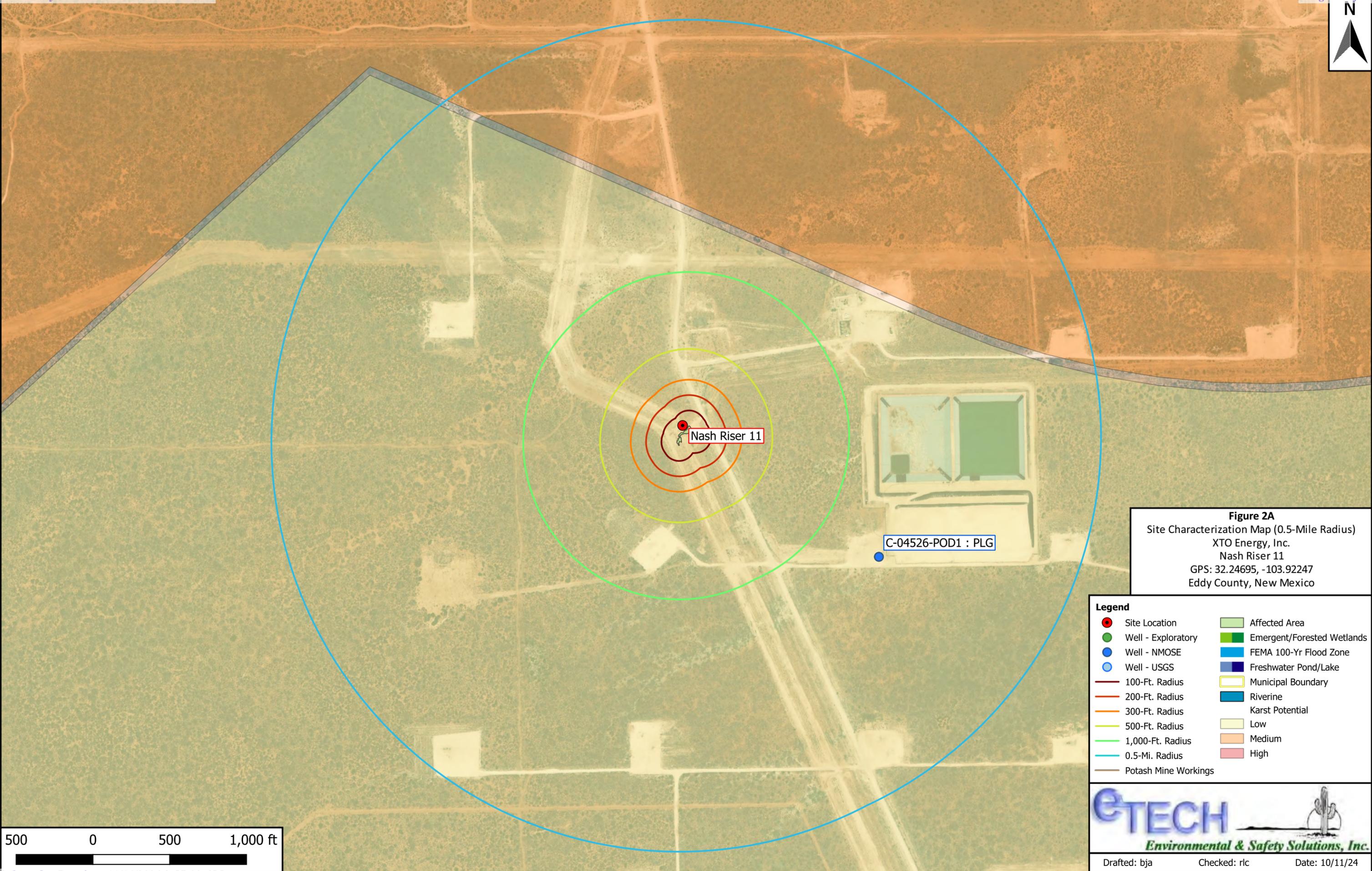
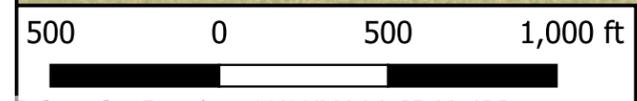


Figure 2A
 Site Characterization Map (0.5-Mile Radius)
 XTO Energy, Inc.
 Nash Riser 11
 GPS: 32.24695, -103.92247
 Eddy County, New Mexico

- Legend**
- Site Location
 - Well - Exploratory
 - Well - NMOSE
 - Well - USGS
 - 100-Ft. Radius
 - 200-Ft. Radius
 - 300-Ft. Radius
 - 500-Ft. Radius
 - 1,000-Ft. Radius
 - 0.5-Mi. Radius
 - Potash Mine Workings
 - Affected Area
 - Emergent/Forested Wetlands
 - FEMA 100-Yr Flood Zone
 - Freshwater Pond/Lake
 - Municipal Boundary
 - Riverine
 - Karst Potential
 - Low
 - Medium
 - High



Drafted: bja Checked: rlc Date: 10/11/24



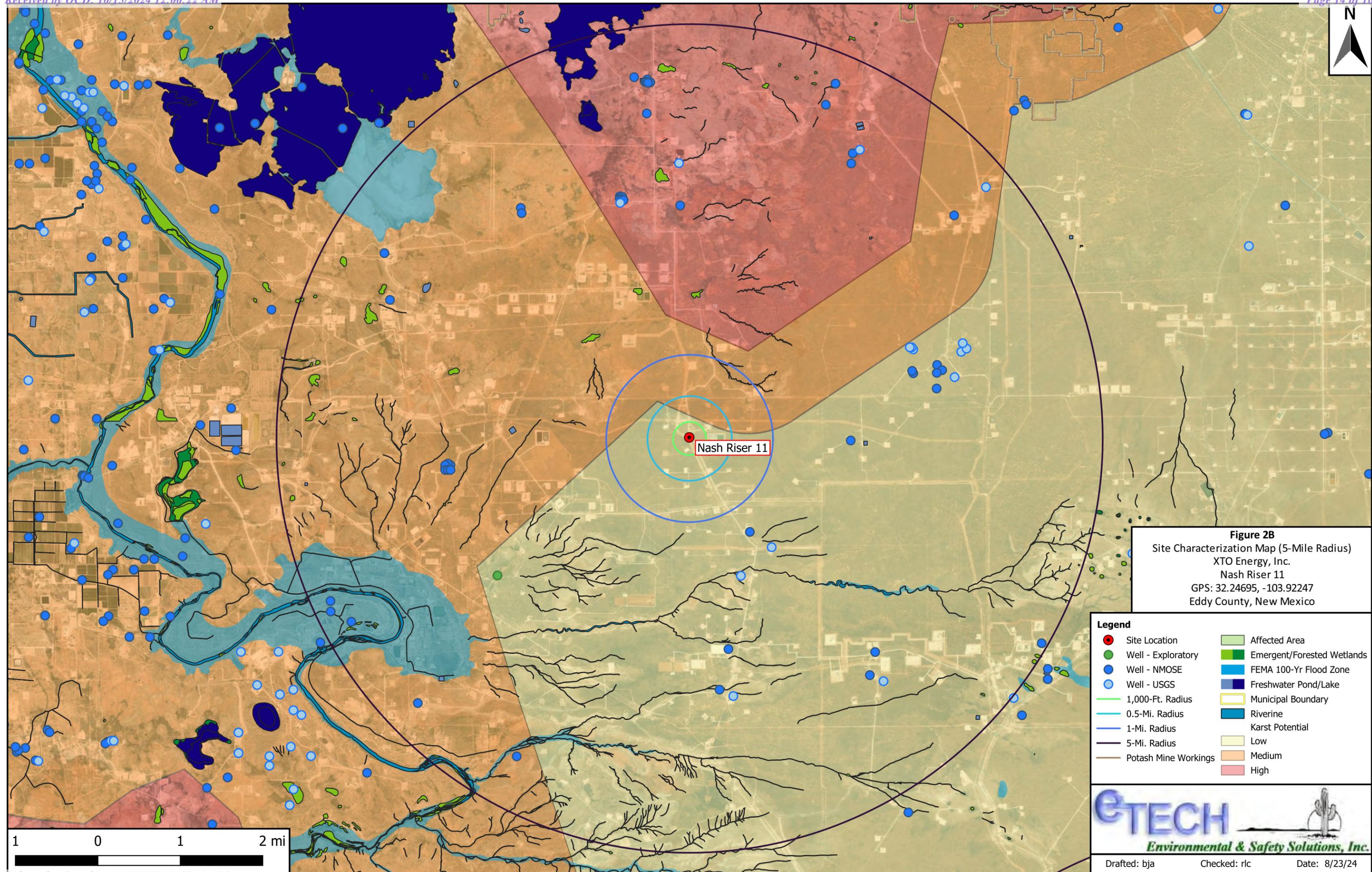
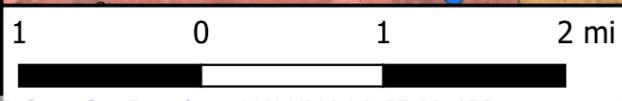


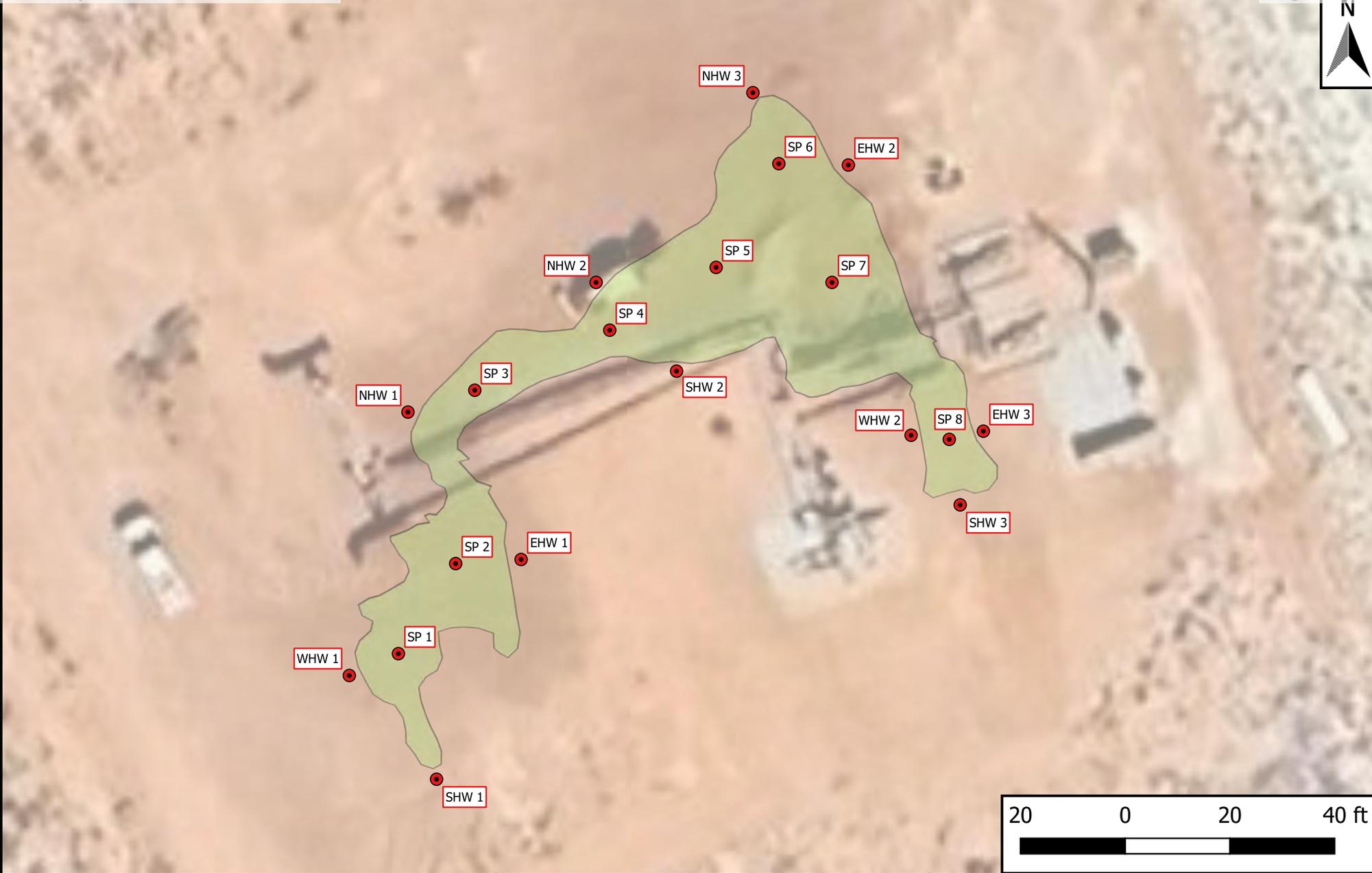
Figure 2B
 Site Characterization Map (5-Mile Radius)
 XTO Energy, Inc.
 Nash Riser 11
 GPS: 32.24695, -103.92247
 Eddy County, New Mexico

- Legend**
- Site Location
 - Affected Area
 - Well - Exploratory
 - Emergent/Forested Wetlands
 - Well - NMOSE
 - FEMA 100-Yr Flood Zone
 - Well - USGS
 - Freshwater Pond/Lake
 - 1,000-Ft. Radius
 - Municipal Boundary
 - 0.5-Mi. Radius
 - Riverine
 - 1-Mi. Radius
 - Karst Potential
 - 5-Mi. Radius
 - Low
 - Potash Mine Workings
 - Medium
 - High



Drafted: bja Checked: rlc Date: 8/23/24

Figures 3A & 3B Sample Location Maps



Legend

- Affected Area (3,543 ft²)
- Delineation Sample Location

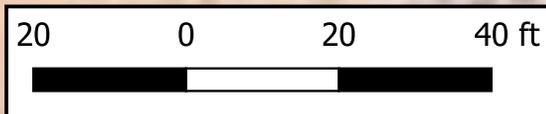
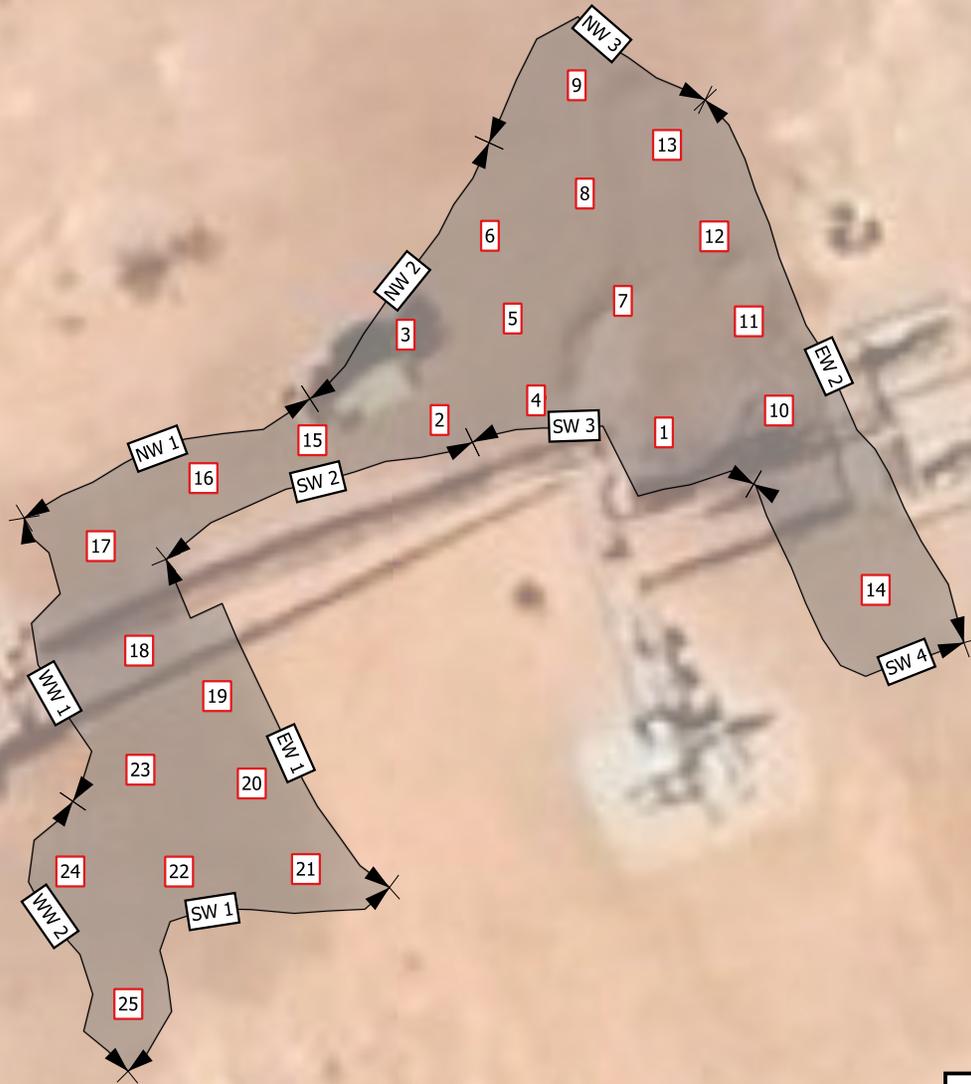
Figure 3A
 Sample Location Map - Delineation
 XTO Energy, Inc.
 Nash Riser 11
 GPS: 32.24695, -103.92247
 Eddy County, New Mexico



Drafted: bja

Checked: rlc

Date: 10/11/24



Legend

	Excavation Extent (5,012 ft ²)
	Composite Floor Sample
	Composite Wall Sample

Figure 3B
 Sample Location Map - Excavation
 XTO Energy, Inc.
 Nash Riser 11
 GPS: 32.24695, -103.92247
 Eddy County, New Mexico



Environmental & Safety Solutions, Inc.

Drafted: bja Checked: rlc Date: 10/14/24

Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1 Concentrations of BTEX, TPH & Chloride in Soil XTO Energy, Inc. Nash Riser 11 NMOCD Ref. #: nAPP2415234797											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	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)
Delineation Samples											
NHW 1 @ Surf	6/17/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
NHW 1 @ 1'	6/17/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
NHW 2 @ Surf	6/17/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
NHW 2 @ 1'	6/17/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NHW 3 @ Surf	6/17/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
NHW 3 @ 1'	6/17/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
EHW 1 @ Surf	6/17/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
EHW 1 @ 1'	6/17/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
EHW 2 @ Surf	6/17/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
EHW 2 @ 1'	6/17/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
EHW 3 @ Surf	6/17/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
EHW 3 @ 1'	6/17/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SHW 1 @ Surf	6/17/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SHW 1 @ 1'	6/17/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SHW 2 @ Surf	6/17/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SHW 2 @ 1'	6/17/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SHW 3 @ Surf	6/17/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SHW 3 @ 1'	6/17/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WHW 1 @ Surf	6/17/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WHW 1 @ 1'	6/17/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WHW 2 @ Surf	6/17/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WHW 2 @ 1'	6/17/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SP 1 @ Surf	6/17/2024	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,120
SP 1 @ 3'	6/17/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SP 2 @ Surf	6/17/2024	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,400
SP 2 @ 3'	6/17/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SP 3 @ Surf	6/17/2024	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,320
SP 3 @ 3'	6/17/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
SP 4 @ Surf	6/17/2024	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,600
SP 4 @ 3'	6/17/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SP 5 @ Surf	6/17/2024	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,680
SP 5 @ 3'	6/17/2024	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
SP 6 @ Surf	6/17/2024	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SP 6 @ 3'	6/17/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SP 7 @ Surf	6/17/2024	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,080
SP 7 @ 2'	6/17/2024	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SP 8 @ Surf	6/17/2024	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,560
SP 8 @ 1'	6/17/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
Excavation Samples											
NW 1	7/12/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NW 2	7/12/2024	0-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
NW 3	7/16/2024	0-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
EW 1	7/12/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
EW 2	7/16/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0

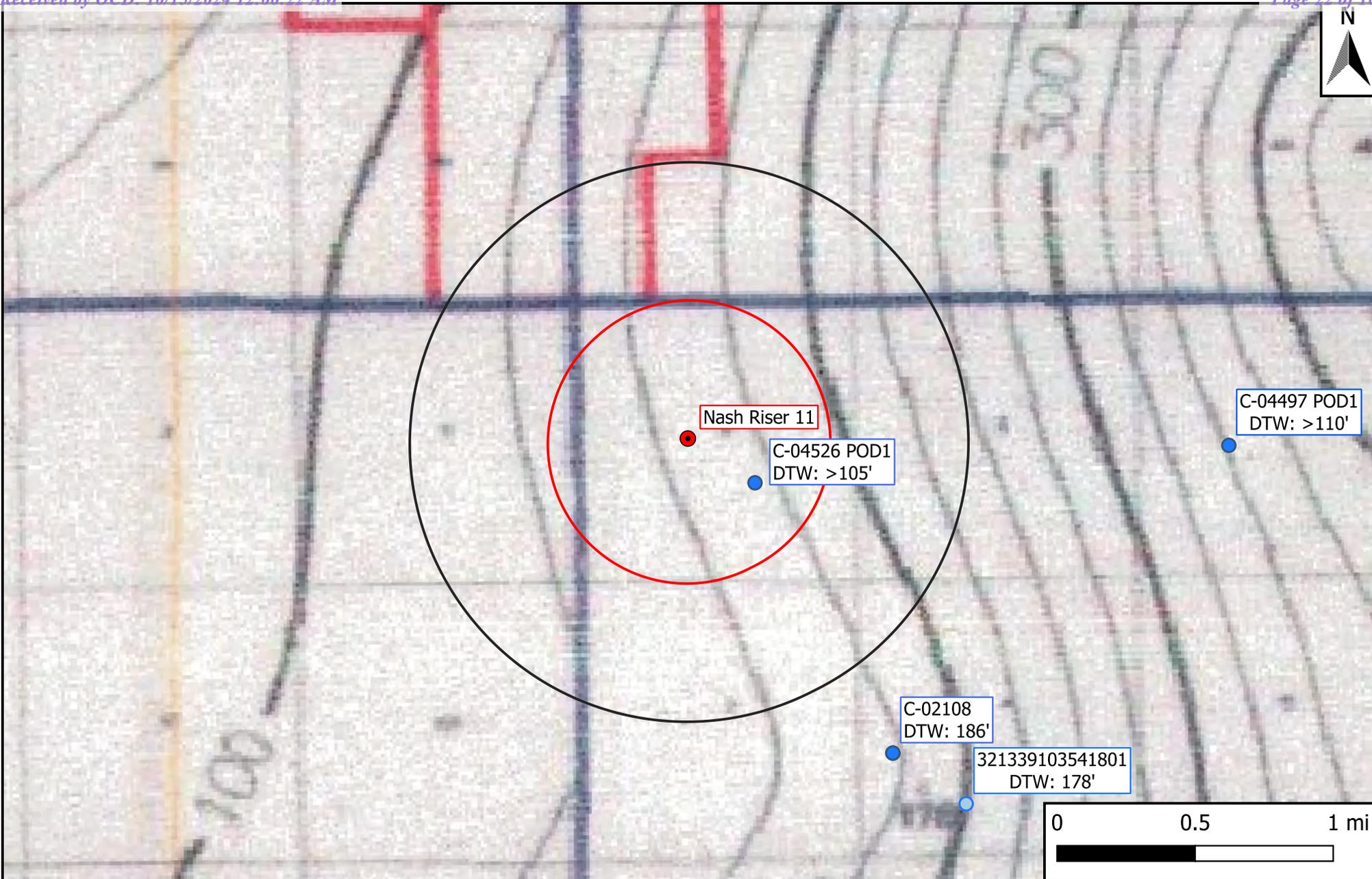
Dash (-): Sample not analyzed for that constituent.
 Bold: NMOCD Closure Criteria exceedance.
 Red: NMOCD Reclamation Standard exceedance.
 Red Border with Shading: Highest observed concentration.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil XTO Energy, Inc. Nash Riser 11 NMOCD Ref. #: nAPP2415234797											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	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 1	7/12/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW 2	7/31/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
SW 3	7/31/2024	0-3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW 4	7/31/2024	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
WW 1	7/12/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WW 2	7/12/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 1 @ 3.5'	7/12/2024	3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 2 @ 2'	7/12/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 3 @ 2'	7/12/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 4 @ 2'	7/12/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 5 @ 3.5'	7/12/2024	3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 6 @ 3.5'	7/12/2024	3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 7 @ 2'	7/16/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 8 @ 2'	7/16/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 9 @ 3.5'	7/16/2024	3.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 10 @ 2'	7/16/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 11 @ 2'	7/16/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 12 @ 2'	7/16/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 13 @ 3'	7/16/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 14 @ 1'	7/31/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL 15 @ 3'	7/31/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 16 @ 3'	7/31/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 17 @ 3'	7/31/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 18 @ 3'	7/31/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 19 @ 3'	7/31/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 20 @ 3'	7/31/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 21 @ 3'	7/31/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 22 @ 3'	7/31/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 23 @ 3'	7/31/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 24 @ 3'	7/31/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 25 @ 3'	7/31/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0

Dash (-): Sample not analyzed for that constituent.
Bold: NMOCD Closure Criteria exceedance.
Red: NMOCD Reclamation Standard exceedance.
 Red Border with Shading: Highest observed concentration.

Appendix A

Depth to Groundwater Information



Legend	
● Site Location	 0.5-Mile Radius
● Well - Exploratory	 1-Mile Radius
● Well - NMOSE	
● Well - USGS	

Figure 4
 Inferred Depth to Groundwater Map
 XTO Energy, Inc.
 Nash Riser 11
 GPS: 32.24695, -103.92247
 Eddy County, New Mexico



Drafted: bja Checked: rlc Date: 9/26/24

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 smallest to largest)

(NAD83 UTM in meters)

(In feet)

(In feet)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
C_04526 POD1		CUB	ED	SE	NW	SE	06	24S	30E	601898.6	3568060.3		468			

Average Depth to Water: **0 feet**

Minimum Depth: **0 feet**

Maximum Depth: **0 feet**

Record Count: 1

UTM Filters (in meters):

Easting: 601507.32

Northing: 3568318.09

Radius: 804.67

* UTM location was derived from PLSS - see Help

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.

10/11/24 12:48 PM MST

Water Column/Average Depth to Water

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New Mexico Office of the State Engineer

Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)		(NAD83 UTM in meters)	
NA	C 04526 POD1	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
		4	1	4	06	24S	30E	601899	3568060

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

Driller Name: ATKINS, JACKIE D.UELENER

Drill Start Date: 05/14/2021 **Drill Finish Date:** 05/14/2021 **Plug Date:** 06/08/2021

Log File Date: 06/10/2021 **PCW Rcv Date:** **Source:**

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

Casing Size: **Depth Well:** **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.

5/20/24 9:20 AM

POINT OF DIVERSION SUMMARY



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

06/09/2021

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

Hand Delivered to the DII Office of the State Engineer

Re: Well Record C-4526 Pod1

To whom it may concern:

Attached please find a well record and a plugging record, in duplicate, for a one (1) soil borings, C-4526 Pod1.

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

Sincerely,

A handwritten signature in black ink that reads "Lucas Middleton". The signature is written in a cursive style.

Lucas Middleton

Enclosures: as noted above

073 07 09 2021 10:27



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (MW-1)		WELL TAG ID NO. n/a		OSE FILE NO(S). C-4526			
	WELL OWNER NAME(S) XTO Energy (Kyle Littrell)				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 6401 Holiday Hill Dr.				CITY Midland	STATE TX	ZIP 79707	
	WELL LOCATION (FROM GPS)	DEGREES 32°	MINUTES 14'	SECONDS 42.15"	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 103°	55'	6.20"	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW NE Sec. 06 T24S R30E								
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 05/14/2021		DRILLING ENDED 05/14/2021		DEPTH OF COMPLETED WELL (FT) temporary well material	BORE HOLE DEPTH (FT) 105	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	
	DRILLING FLUID: <input checked="" 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	
	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	105	±6.5	Boring- HSA	--	--	--	--
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 06/30/17)

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

4. HYDROGEOLOGIC LOG OF WELL	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				
	0	4	4	SAND, poorly graded, fine-very grained, Reddish-brown, dry	Y ✓ N	
	4	12	8	CALICHE, poorly-mod. consolidated, tan-off white, dry	Y ✓ N	
	12	19	7	SAND, poorly graded, fine-very grained, some caliche gravel, Tan ,dry	Y ✓ N	
	19	24	5	SAND, poorly graded, fine-very grained, some caliche gravel, Light- Brown, dry	Y ✓ N	
	24	72	48	SAND, poorly graded, fine-very grained, Reddish Brown, moist	Y ✓ N	
	72	92	20	SAND, poorly graded, fine-very grained, some silt, Reddish Brown, moist	Y ✓ N	
	92	102	10	SILTY SAND, poorly graded, fine-very grained, Reddish Brown, moist	Y ✓ N	
	102	105	3	SILTY SAND, poorly graded, fine-very grained, Reddish Brown, dry	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:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:						

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:	Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface. Logs adapted from WSP on-site geologist.
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Carmelo Trevino, 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	06/09/2021
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME	DATE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 06/30/2017)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO.		PAGE 2 OF 2



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: C-4526-POD1

Well owner: XTO ENERGY (Kyle Littrell) Phone No.: 432.682.8873

Mailing address: 6401 Holiday Hill Dr.

City: Midland State: Texas Zip code: 79707

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, Carmelo Trevino, Cameron Pruitt

4) Date well plugging began: 06/08/2021 Date well plugging concluded: 06/08/2021

5) GPS Well Location: Latitude: 32 deg, 14 min, 42.15 sec
Longitude: 103 deg, 55 min, 6.20 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 105 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: 04/12/2021

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):

DATE OF PLUGGING: 06/08/2021

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. 15.6 gallons	15.9 gallons	Augers	
10'-105'	Drill Cuttings	Approx. 151 gallons	151 gallons	Boring	

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

OGE 011 JUN 10 2021 10:21:13

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 D. Atkins

Signature of Well Driller

06/09/2021

Date

2021-06-07_C-4526_POD1_OSE_Well Record and Log_155-forsign

Final Audit Report

2021-06-09

Created:	2021-06-09
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAARqNIK9bZ1aR8TqT_nRoFVSc9LoFFimkY

"2021-06-07_C-4526_POD1_OSE_Well Record and Log_155-for sign" History

-  Document created by Lucas Middleton (lucas@atkinseng.com)
2021-06-09 - 5:43:46 PM GMT- IP address: 69.21.248.123
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2021-06-09 - 5:44:36 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)
2021-06-09 - 6:44:57 PM GMT- IP address: 64.90.153.232
-  Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2021-06-09 - 6:45:44 PM GMT - Time Source: server- IP address: 64.90.153.232
-  Agreement completed.
2021-06-09 - 6:45:44 PM GMT

OSE DT JUN 10 2021 PM 2:18





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Groundwater levels for the Nation

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Search Results -- 1 sites found

Agency code = usgs
site_no list =
• 321339103541801

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 321339103541801 24S.30E.08.33222

Eddy County, New Mexico
Latitude 32°13'39", Longitude 103°54'18" NAD27
Land-surface elevation 3,207 feet above NAVD88
The depth of the well is 192 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

[Table of data](#)
[Tab-separated data](#)
[Graph of data](#)
[Reselect period](#)

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source of measurement	Water-level approval status
1959-03-23			D	72019	176.02		1	Z			A
1976-12-01			D	72019	178.55		1	Z			A
1983-02-01			D	72019	178.63		1	Z			A
1987-10-15			D	72019	178.35		P	S			A
1992-11-04			D	72019	178.34		P	S			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

[Questions or Comments](#)

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[U.S. Department of the Interior](#) |
 [U.S. Geological Survey](#)

Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2024-10-11 14:51:37 EDT

0.43 0.32 nadww01

Appendix B Field Data



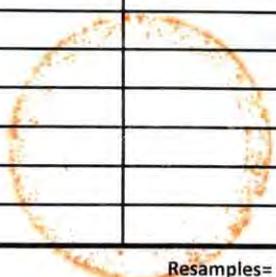
Sample Log

Date: _____

Project: Riser 11

Project Number: 20535 Latitude: 32.24695 Longitude: -103.92247

Sample ID	PID/Odor	Chloride Conc.	GPS
WW1	4.0	580	
NW1	3.8	528	
NW2	3.6	480	
FW1	4.0	580	
SW1	3.6	480	
WW2	2.8	316	
FL1@2	5.0	884	
FL2@3	3.8	528	
FL3@3	1.4	124	
FL4@3	2.8	316	
FL5@3	5.0	884	
FL6@3	4.8	816	
FL1@2 1/2	5.8	1188	
FL5@3 1/2	3.8	528	
FL6@3 1/2	3.6	480	
FL7@2	4.2	632	
FL8@2	4.8	816	
FL9@3 1/2	2.0	192	
FL10@2	1.8	124	
FL11@2	2.0	192	
FL12@2	1.4	124	
FL13@3	1.6	144	
FW2	2.8	316 316	
NW3	2.0	192	
SW2	3.0	378	
SW3	2.8	308	
FL14@1'	2.0	188	
SW4	1.8	160	
FL17@3'	4.0	580	
FL18@3'	2.0	192	
FL15@3'	2.8	316	
FL16@3'	3.0	348	
FL19@3'	3.8	520	
FL22@3'	4.0	580	
FL20@3'	2.8	316	
FL21@3'	3.4	428	



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

FL 25 @ 3' / 3.6 / 472 / no odor
FL 24 @ 3' / 2.8 / 308 / no odor
FL 23 @ 3' / 2.6 / 276 / no odor



Appendix C

Photographic Log

Photographic Log

Photo Number: 1	<p>May 18, 2024 at 8:18:14 AM +32.247052,-103.922284 185° S Gavalin Rd Loving NM 88256 United States</p>
Photo Direction: South	
Photo Description: View of the affected area.	

Photo Number: 2	<p>May 18, 2024 at 8:18:46 AM +32.246765,-103.922199 326° NW Gavalin Rd Loving NM 88256 United States</p>
Photo Direction: Northwest	
Photo Description: View of the affected area.	

Photographic Log

Photo Number: 3	
Photo Direction: North	
Photo Description: View of the affected area.	

Photo Number: 4	
Photo Direction: East	
Photo Description: View of the affected area.	

Photographic Log

Photo Number: 5	
Photo Direction: North-Northwest	
Coordinates: 32.246486,-103.922238	
Photo Description: Aerial view of the excavated area.	

Photo Number: 6	
Photo Direction: West-Northwest	
Photo Description: View of the affected area.	

Photographic Log

Photo Number: 7	 <p>06Aug24 07:53 Ad-hoc Gavallin Rd, Loving NM 88256, US © 06-Aug-24 07:53:35</p>
Photo Direction: North-Northwest	
Photo Description: View of the excavated area.	

Photo Number: 8	 <p>06Aug24 07:54 Ad-hoc Gavallin Rd, Loving NM 88256, US © 06-Aug-24 07:54:06</p>
Photo Direction: North-Northwest	
Photo Description: View of the excavated area.	

Photographic Log

Photo Number: 9	 <p>06Aug24 07:55 Ad-hoc Gavalin Rd, Loving NM 88256, US @ 06-Aug-24 07:55:22</p>
Photo Direction: West-Southwest	
Photo Description: View of the excavated area.	

Photo Number: 10	 <p>12Aug24 13:11 Ad-hoc Gavalin Rd, Loving NM 88256, US @ 12-Aug-24 13:11:32</p>
Photo Direction: West-Southwest	
Photo Description: View of the excavated area during backfilling.	

Photographic Log

Photo Number: 11	
Photo Direction: West-Northwest	
Photo Description: View of the remediated area during backfilling.	

Photo Number: 12	
Photo Direction: West-Southwest	
Photo Description: View of the remediated area following backfilling and regrading.	

Photographic Log

Photo Number: 13	 <p>12Aug24 13:12 Ad-hoc Gavalin Rd, Loving NM 88256, US © 12-Aug-24 13:12:26</p>
Photo Direction: West-Southwest	
Photo Description: View of the remediated area following backfilling and regrading.	

Photo Number: 14	 <p>Aug 23, 2024 at 10:31:31 AM Gavalin Rd Loving NM 88256 United States</p> <p>32.246928, -103.922339</p>
Photo Direction: South-Southeast	
Photo Description: View of the remediated area following backfilling and regrading.	

Appendix D

Laboratory Analytical Reports



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

June 24, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RISER 11

Enclosed are the results of analyses for samples received by the laboratory on 06/18/24 12:00.

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:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: SP 1 @ SURF (H243562-01)

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	06/20/2024	ND	1.76	87.9	2.00	3.10	
Toluene*	<0.050	0.050	06/20/2024	ND	1.87	93.4	2.00	3.04	
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	1.92	95.9	2.00	3.98	
Total Xylenes*	<0.150	0.150	06/20/2024	ND	5.75	95.8	6.00	3.84	
Total BTEX	<0.300	0.300	06/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	7120	16.0	06/19/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2024	ND	179	89.6	200	2.68	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	176	88.1	200	5.61	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 73.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.3 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: SP 2 @ SURF (H243562-02)

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	06/20/2024	ND	1.76	87.9	2.00	3.10	
Toluene*	<0.050	0.050	06/20/2024	ND	1.87	93.4	2.00	3.04	
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	1.92	95.9	2.00	3.98	
Total Xylenes*	<0.150	0.150	06/20/2024	ND	5.75	95.8	6.00	3.84	
Total BTEX	<0.300	0.300	06/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	6400	16.0	06/19/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2024	ND	179	89.6	200	2.68	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	176	88.1	200	5.61	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.0 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: SP 3 @ SURF (H243562-03)

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	06/20/2024	ND	1.76	87.9	2.00	3.10	
Toluene*	<0.050	0.050	06/20/2024	ND	1.87	93.4	2.00	3.04	
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	1.92	95.9	2.00	3.98	
Total Xylenes*	<0.150	0.150	06/20/2024	ND	5.75	95.8	6.00	3.84	
Total BTEX	<0.300	0.300	06/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	4320	16.0	06/19/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2024	ND	179	89.6	200	2.68	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	176	88.1	200	5.61	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.1 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: SP 4 @ SURF (H243562-04)

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	06/20/2024	ND	1.76	87.9	2.00	3.10	
Toluene*	<0.050	0.050	06/20/2024	ND	1.87	93.4	2.00	3.04	
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	1.92	95.9	2.00	3.98	
Total Xylenes*	<0.150	0.150	06/20/2024	ND	5.75	95.8	6.00	3.84	
Total BTEX	<0.300	0.300	06/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	3600	16.0	06/19/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2024	ND	179	89.6	200	2.68	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	176	88.1	200	5.61	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.0 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: SP 5 @ SURF (H243562-05)

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	06/20/2024	ND	1.76	87.9	2.00	3.10	
Toluene*	<0.050	0.050	06/20/2024	ND	1.87	93.4	2.00	3.04	
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	1.92	95.9	2.00	3.98	
Total Xylenes*	<0.150	0.150	06/20/2024	ND	5.75	95.8	6.00	3.84	
Total BTEX	<0.300	0.300	06/20/2024	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	5680	16.0	06/19/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2024	ND	179	89.6	200	2.68	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	176	88.1	200	5.61	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.5 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: SP 6 @ SURF (H243562-06)

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	06/20/2024	ND	1.76	87.9	2.00	3.10	
Toluene*	<0.050	0.050	06/20/2024	ND	1.87	93.4	2.00	3.04	
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	1.92	95.9	2.00	3.98	
Total Xylenes*	<0.150	0.150	06/20/2024	ND	5.75	95.8	6.00	3.84	
Total BTEX	<0.300	0.300	06/20/2024	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	16.0	16.0	06/20/2024	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	06/19/2024	ND	179	89.6	200	2.68	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	176	88.1	200	5.61	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 80.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.6 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: SP 7 @ SURF (H243562-07)

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	06/20/2024	ND	1.76	87.9	2.00	3.10	
Toluene*	<0.050	0.050	06/20/2024	ND	1.87	93.4	2.00	3.04	
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	1.92	95.9	2.00	3.98	
Total Xylenes*	<0.150	0.150	06/20/2024	ND	5.75	95.8	6.00	3.84	
Total BTEX	<0.300	0.300	06/20/2024	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	2080	16.0	06/20/2024	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	06/19/2024	ND	179	89.6	200	2.68	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	176	88.1	200	5.61	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.8 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: SP 8 @ SURF (H243562-08)

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	06/20/2024	ND	1.76	87.9	2.00	3.10	
Toluene*	<0.050	0.050	06/20/2024	ND	1.87	93.4	2.00	3.04	
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	1.92	95.9	2.00	3.98	
Total Xylenes*	<0.150	0.150	06/20/2024	ND	5.75	95.8	6.00	3.84	
Total BTEX	<0.300	0.300	06/20/2024	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	2560	16.0	06/20/2024	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	06/19/2024	ND	179	89.6	200	2.68	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	176	88.1	200	5.61	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 80.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.2 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: NHW 1 @ SURF (H243562-09)

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	06/20/2024	ND	1.76	87.9	2.00	3.10	
Toluene*	<0.050	0.050	06/20/2024	ND	1.87	93.4	2.00	3.04	
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	1.92	95.9	2.00	3.98	
Total Xylenes*	<0.150	0.150	06/20/2024	ND	5.75	95.8	6.00	3.84	
Total BTEX	<0.300	0.300	06/20/2024	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	80.0	16.0	06/20/2024	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	06/19/2024	ND	179	89.6	200	2.68	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	176	88.1	200	5.61	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 75.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: NHW 2 @ SURF (H243562-10)

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	06/20/2024	ND	1.76	87.9	2.00	3.10	
Toluene*	<0.050	0.050	06/20/2024	ND	1.87	93.4	2.00	3.04	
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	1.92	95.9	2.00	3.98	
Total Xylenes*	<0.150	0.150	06/20/2024	ND	5.75	95.8	6.00	3.84	
Total BTEX	<0.300	0.300	06/20/2024	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	240	16.0	06/20/2024	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	06/19/2024	ND	183	91.5	200	1.12	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	210	105	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 73.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: NHW 3 @ SURF (H243562-11)

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	06/20/2024	ND	1.76	87.9	2.00	3.10	
Toluene*	<0.050	0.050	06/20/2024	ND	1.87	93.4	2.00	3.04	
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	1.92	95.9	2.00	3.98	
Total Xylenes*	<0.150	0.150	06/20/2024	ND	5.75	95.8	6.00	3.84	
Total BTEX	<0.300	0.300	06/20/2024	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	80.0	16.0	06/20/2024	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	06/19/2024	ND	183	91.5	200	1.12	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	210	105	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: EHW 1 @ SURF (H243562-12)

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	06/20/2024	ND	1.76	87.9	2.00	3.10	
Toluene*	<0.050	0.050	06/20/2024	ND	1.87	93.4	2.00	3.04	
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	1.92	95.9	2.00	3.98	
Total Xylenes*	<0.150	0.150	06/20/2024	ND	5.75	95.8	6.00	3.84	
Total BTEX	<0.300	0.300	06/20/2024	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	112	16.0	06/20/2024	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	06/19/2024	ND	183	91.5	200	1.12	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	210	105	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: EHW 2 @ SURF (H243562-13)

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	06/20/2024	ND	1.76	87.9	2.00	3.10	
Toluene*	0.051	0.050	06/20/2024	ND	1.87	93.4	2.00	3.04	
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	1.92	95.9	2.00	3.98	
Total Xylenes*	<0.150	0.150	06/20/2024	ND	5.75	95.8	6.00	3.84	
Total BTEX	<0.300	0.300	06/20/2024	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	128	16.0	06/20/2024	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	06/19/2024	ND	183	91.5	200	1.12	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	210	105	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: EHW 3 @ SURF (H243562-14)

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	06/20/2024	ND	1.76	87.9	2.00	3.10	
Toluene*	<0.050	0.050	06/20/2024	ND	1.87	93.4	2.00	3.04	
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	1.92	95.9	2.00	3.98	
Total Xylenes*	<0.150	0.150	06/20/2024	ND	5.75	95.8	6.00	3.84	
Total BTEX	<0.300	0.300	06/20/2024	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	80.0	16.0	06/20/2024	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	06/19/2024	ND	183	91.5	200	1.12	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	210	105	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: SHW 1 @ SURF (H243562-15)

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	06/20/2024	ND	1.76	87.9	2.00	3.10	
Toluene*	<0.050	0.050	06/20/2024	ND	1.87	93.4	2.00	3.04	
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	1.92	95.9	2.00	3.98	
Total Xylenes*	<0.150	0.150	06/20/2024	ND	5.75	95.8	6.00	3.84	
Total BTEX	<0.300	0.300	06/20/2024	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	16.0	16.0	06/20/2024	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	06/19/2024	ND	183	91.5	200	1.12	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	210	105	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.7 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: SHW 2 @ SURF (H243562-16)

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	06/20/2024	ND	1.76	87.9	2.00	3.10	
Toluene*	<0.050	0.050	06/20/2024	ND	1.87	93.4	2.00	3.04	
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	1.92	95.9	2.00	3.98	
Total Xylenes*	<0.150	0.150	06/20/2024	ND	5.75	95.8	6.00	3.84	
Total BTEX	<0.300	0.300	06/20/2024	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	32.0	16.0	06/20/2024	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	06/19/2024	ND	183	91.5	200	1.12	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	210	105	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: SHW 3 @ SURF (H243562-17)

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	06/20/2024	ND	1.76	87.9	2.00	3.10	
Toluene*	<0.050	0.050	06/20/2024	ND	1.87	93.4	2.00	3.04	
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	1.92	95.9	2.00	3.98	
Total Xylenes*	<0.150	0.150	06/20/2024	ND	5.75	95.8	6.00	3.84	
Total BTEX	<0.300	0.300	06/20/2024	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	32.0	16.0	06/20/2024	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	06/20/2024	ND	183	91.5	200	1.12	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	210	105	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: WHW 1 @ SURF (H243562-18)

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	06/20/2024	ND	1.76	87.9	2.00	3.10	
Toluene*	<0.050	0.050	06/20/2024	ND	1.87	93.4	2.00	3.04	
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	1.92	95.9	2.00	3.98	
Total Xylenes*	<0.150	0.150	06/20/2024	ND	5.75	95.8	6.00	3.84	
Total BTEX	<0.300	0.300	06/20/2024	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	16.0	16.0	06/20/2024	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	06/20/2024	ND	183	91.5	200	1.12	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	210	105	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: WHW 2 @ SURF (H243562-19)

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	06/20/2024	ND	1.76	87.9	2.00	3.10	
Toluene*	<0.050	0.050	06/20/2024	ND	1.87	93.4	2.00	3.04	
Ethylbenzene*	<0.050	0.050	06/20/2024	ND	1.92	95.9	2.00	3.98	
Total Xylenes*	<0.150	0.150	06/20/2024	ND	5.75	95.8	6.00	3.84	
Total BTEX	<0.300	0.300	06/20/2024	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	06/20/2024	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	06/20/2024	ND	183	91.5	200	1.12	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	210	105	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: SP 1 @ 3' (H243562-20)

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	06/21/2024	ND	2.11	106	2.00	0.905	
Toluene*	<0.050	0.050	06/21/2024	ND	2.05	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.03	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.37	106	6.00	1.99	
Total BTEX	<0.300	0.300	06/21/2024	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	48.0	16.0	06/20/2024	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	06/20/2024	ND	183	91.5	200	1.12	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	210	105	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.4 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: SP 2 @ 3' (H243562-21)

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	06/21/2024	ND	2.11	106	2.00	0.905	
Toluene*	<0.050	0.050	06/21/2024	ND	2.05	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.03	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.37	106	6.00	1.99	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	06/20/2024	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	06/20/2024	ND	183	91.5	200	1.12	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	210	105	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: SP 3 @ 3' (H243562-22)

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	06/21/2024	ND	2.11	106	2.00	0.905	
Toluene*	<0.050	0.050	06/21/2024	ND	2.05	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.03	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.37	106	6.00	1.99	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	06/20/2024	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	06/20/2024	ND	183	91.5	200	1.12	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	210	105	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: SP 4 @ 3' (H243562-23)

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	06/21/2024	ND	2.11	106	2.00	0.905	
Toluene*	<0.050	0.050	06/21/2024	ND	2.05	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.03	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.37	106	6.00	1.99	
Total BTEX	<0.300	0.300	06/21/2024	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	48.0	16.0	06/20/2024	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	06/20/2024	ND	183	91.5	200	1.12	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	210	105	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: SP 5 @ 3' (H243562-24)

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	06/21/2024	ND	2.11	106	2.00	0.905	
Toluene*	<0.050	0.050	06/21/2024	ND	2.05	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.03	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.37	106	6.00	1.99	
Total BTEX	<0.300	0.300	06/21/2024	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	320	16.0	06/20/2024	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	06/20/2024	ND	183	91.5	200	1.12	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	210	105	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: SP 6 @ 3' (H243562-25)

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	06/21/2024	ND	2.11	106	2.00	0.905	
Toluene*	<0.050	0.050	06/21/2024	ND	2.05	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.03	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.37	106	6.00	1.99	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	06/20/2024	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	06/20/2024	ND	183	91.5	200	1.12	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	210	105	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: SP 7 @ 2' (H243562-26)

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	06/21/2024	ND	2.11	106	2.00	0.905	
Toluene*	<0.050	0.050	06/21/2024	ND	2.05	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.03	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.37	106	6.00	1.99	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	160	16.0	06/20/2024	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	06/20/2024	ND	183	91.5	200	1.12	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	210	105	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: SP 8 @ 1' (H243562-27)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2024	ND	2.11	106	2.00	0.905	
Toluene*	<0.050	0.050	06/21/2024	ND	2.05	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.03	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.37	106	6.00	1.99	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	64.0	16.0	06/20/2024	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	06/20/2024	ND	183	91.5	200	1.12	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	210	105	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.2 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: NHW 1 @ 1' (H243562-28)

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	06/21/2024	ND	2.11	106	2.00	0.905	
Toluene*	<0.050	0.050	06/21/2024	ND	2.05	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.03	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.37	106	6.00	1.99	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	48.0	16.0	06/20/2024	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	06/20/2024	ND	183	91.5	200	1.12	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	210	105	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: NHW 2 @ 1' (H243562-29)

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	06/21/2024	ND	2.11	106	2.00	0.905	
Toluene*	<0.050	0.050	06/21/2024	ND	2.05	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.03	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.37	106	6.00	1.99	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	32.0	16.0	06/20/2024	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	06/20/2024	ND	183	91.5	200	1.12	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	210	105	200	0.929	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.6 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: NHW 3 @ 1' (H243562-30)

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	06/21/2024	ND	2.11	106	2.00	0.905	
Toluene*	<0.050	0.050	06/21/2024	ND	2.05	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.03	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.37	106	6.00	1.99	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	16.0	16.0	06/20/2024	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	06/19/2024	ND	215	107	200	0.000931	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	225	112	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: EHW 1 @ 1' (H243562-31)

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	06/21/2024	ND	2.11	106	2.00	0.905	
Toluene*	<0.050	0.050	06/21/2024	ND	2.05	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.03	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.37	106	6.00	1.99	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	128	16.0	06/20/2024	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	06/19/2024	ND	215	107	200	0.000931	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	225	112	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: EHW 2 @ 1' (H243562-32)

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	06/21/2024	ND	2.11	106	2.00	0.905	
Toluene*	<0.050	0.050	06/21/2024	ND	2.05	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.03	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.37	106	6.00	1.99	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	192	16.0	06/20/2024	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	06/19/2024	ND	215	107	200	0.000931	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	225	112	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: EHW 3 @ 1' (H243562-33)

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	06/21/2024	ND	2.11	106	2.00	0.905	
Toluene*	<0.050	0.050	06/21/2024	ND	2.05	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.03	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.37	106	6.00	1.99	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	16.0	16.0	06/20/2024	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	06/19/2024	ND	215	107	200	0.000931	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	225	112	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: SHW 1 @ 1' (H243562-34)

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	06/21/2024	ND	2.11	106	2.00	0.905	
Toluene*	<0.050	0.050	06/21/2024	ND	2.05	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.03	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.37	106	6.00	1.99	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	32.0	16.0	06/20/2024	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	06/19/2024	ND	215	107	200	0.000931	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	225	112	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: SHW 2 @ 1' (H243562-35)

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	06/21/2024	ND	2.11	106	2.00	0.905	
Toluene*	<0.050	0.050	06/21/2024	ND	2.05	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.03	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.37	106	6.00	1.99	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	48.0	16.0	06/20/2024	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	06/19/2024	ND	215	107	200	0.000931	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	225	112	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: SHW 3 @ 1' (H243562-36)

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	06/21/2024	ND	2.11	106	2.00	0.905	
Toluene*	<0.050	0.050	06/21/2024	ND	2.05	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.03	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.37	106	6.00	1.99	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	32.0	16.0	06/20/2024	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	06/19/2024	ND	215	107	200	0.000931	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	225	112	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: WHW 1 @ 1' (H243562-37)

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	06/21/2024	ND	2.11	106	2.00	0.905		
Toluene*	<0.050	0.050	06/21/2024	ND	2.05	102	2.00	1.38		
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.03	101	2.00	2.00		
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.37	106	6.00	1.99		
Total BTEX	<0.300	0.300	06/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	<16.0	16.0	06/20/2024	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	06/19/2024	ND	215	107	200	0.000931		
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	225	112	200	3.56		
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND						

Surrogate: 1-Chlorooctane 107 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: WHW 2 @ 1' (H243562-38)

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	06/21/2024	ND	2.11	106	2.00	0.905	
Toluene*	<0.050	0.050	06/21/2024	ND	2.05	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.03	101	2.00	2.00	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.37	106	6.00	1.99	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	<16.0	16.0	06/20/2024	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	06/19/2024	ND	215	107	200	0.000931	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	225	112	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 121 % 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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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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

July 18, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RISER 11

Enclosed are the results of analyses for samples received by the laboratory on 07/17/24 8:25.

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, flowing "C" at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	07/17/2024	Sampling Date:	07/12/2024
Reported:	07/18/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.24695, -103.92247		

Sample ID: FL 1 @ 3.5' (H244257-01)

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	07/17/2024	ND	1.95	97.3	2.00	2.48	
Toluene*	<0.050	0.050	07/17/2024	ND	1.92	95.8	2.00	2.13	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.01	101	2.00	2.25	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.91	98.5	6.00	2.29	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 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	160	16.0	07/17/2024	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	07/17/2024	ND	199	99.7	200	5.52	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	193	96.4	200	5.91	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	07/17/2024	Sampling Date:	07/12/2024
Reported:	07/18/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.24695, -103.92247		

Sample ID: FL 2 @ 2' (H244257-02)

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	07/17/2024	ND	1.95	97.3	2.00	2.48	
Toluene*	<0.050	0.050	07/17/2024	ND	1.92	95.8	2.00	2.13	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.01	101	2.00	2.25	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.91	98.5	6.00	2.29	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 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	48.0	16.0	07/17/2024	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	07/17/2024	ND	199	99.7	200	5.52	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	193	96.4	200	5.91	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 110 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	07/17/2024	Sampling Date:	07/12/2024
Reported:	07/18/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.24695, -103.92247		

Sample ID: FL 3 @ 2' (H244257-03)

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	07/17/2024	ND	1.95	97.3	2.00	2.48	
Toluene*	<0.050	0.050	07/17/2024	ND	1.92	95.8	2.00	2.13	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.01	101	2.00	2.25	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.91	98.5	6.00	2.29	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 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	32.0	16.0	07/17/2024	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	07/17/2024	ND	199	99.7	200	5.52	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	193	96.4	200	5.91	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	07/17/2024	Sampling Date:	07/12/2024
Reported:	07/18/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.24695, -103.92247		

Sample ID: FL 4 @ 2' (H244257-04)

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	07/17/2024	ND	1.95	97.3	2.00	2.48	
Toluene*	<0.050	0.050	07/17/2024	ND	1.92	95.8	2.00	2.13	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.01	101	2.00	2.25	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.91	98.5	6.00	2.29	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 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	07/17/2024	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	07/17/2024	ND	199	99.7	200	5.52	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	193	96.4	200	5.91	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

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 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	07/17/2024	Sampling Date:	07/12/2024
Reported:	07/18/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.24695, -103.92247		

Sample ID: FL 5 @ 3.5' (H244257-05)

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	07/17/2024	ND	1.95	97.3	2.00	2.48	
Toluene*	<0.050	0.050	07/17/2024	ND	1.92	95.8	2.00	2.13	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.01	101	2.00	2.25	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.91	98.5	6.00	2.29	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/17/2024	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	07/17/2024	ND	199	99.7	200	5.52	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	193	96.4	200	5.91	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	07/17/2024	Sampling Date:	07/12/2024
Reported:	07/18/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.24695, -103.92247		

Sample ID: FL 6 @ 3.5' (H244257-06)

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	07/17/2024	ND	1.95	97.3	2.00	2.48		
Toluene*	<0.050	0.050	07/17/2024	ND	1.92	95.8	2.00	2.13		
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.01	101	2.00	2.25		
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.91	98.5	6.00	2.29		
Total BTEX	<0.300	0.300	07/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/17/2024	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	07/17/2024	ND	199	99.7	200	5.52		
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	193	96.4	200	5.91		
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND						

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

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 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	07/17/2024	Sampling Date:	07/12/2024
Reported:	07/18/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.24695, -103.92247		

Sample ID: NW 1 (H244257-07)

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	07/17/2024	ND	1.95	97.3	2.00	2.48		
Toluene*	<0.050	0.050	07/17/2024	ND	1.92	95.8	2.00	2.13		
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.01	101	2.00	2.25		
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.91	98.5	6.00	2.29		
Total BTEX	<0.300	0.300	07/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 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	64.0	16.0	07/17/2024	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	07/17/2024	ND	199	99.7	200	5.52		
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	193	96.4	200	5.91		
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND						

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	07/17/2024	Sampling Date:	07/12/2024
Reported:	07/18/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.24695, -103.92247		

Sample ID: NW 2 (H244257-08)

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	07/17/2024	ND	1.95	97.3	2.00	2.48	
Toluene*	<0.050	0.050	07/17/2024	ND	1.92	95.8	2.00	2.13	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.01	101	2.00	2.25	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.91	98.5	6.00	2.29	
Total BTEX	<0.300	0.300	07/17/2024	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	112	16.0	07/17/2024	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	07/17/2024	ND	199	99.7	200	5.52	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	193	96.4	200	5.91	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	07/17/2024	Sampling Date:	07/12/2024
Reported:	07/18/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.24695, -103.92247		

Sample ID: EW 1 (H244257-09)

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	07/17/2024	ND	1.95	97.3	2.00	2.48		
Toluene*	<0.050	0.050	07/17/2024	ND	1.92	95.8	2.00	2.13		
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.01	101	2.00	2.25		
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.91	98.5	6.00	2.29		
Total BTEX	<0.300	0.300	07/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 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	07/17/2024	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	07/17/2024	ND	199	99.7	200	5.52		
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	193	96.4	200	5.91		
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND						

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 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:	07/17/2024	Sampling Date:	07/12/2024
Reported:	07/18/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.24695, -103.92247		

Sample ID: SW 1 (H244257-10)

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	07/17/2024	ND	1.95	97.3	2.00	2.48		
Toluene*	<0.050	0.050	07/17/2024	ND	1.92	95.8	2.00	2.13		
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.01	101	2.00	2.25		
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.91	98.5	6.00	2.29		
Total BTEX	<0.300	0.300	07/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 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	80.0	16.0	07/17/2024	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	07/17/2024	ND	199	99.7	200	5.52		
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	193	96.4	200	5.91		
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND						

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	07/17/2024	Sampling Date:	07/12/2024
Reported:	07/18/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.24695, -103.92247		

Sample ID: WW 1 (H244257-11)

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	07/17/2024	ND	1.95	97.3	2.00	2.48	
Toluene*	<0.050	0.050	07/17/2024	ND	1.92	95.8	2.00	2.13	
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.01	101	2.00	2.25	
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.91	98.5	6.00	2.29	
Total BTEX	<0.300	0.300	07/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 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	32.0	16.0	07/17/2024	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	07/17/2024	ND	191	95.5	200	3.84	
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	187	93.3	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.6 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	07/17/2024	Sampling Date:	07/12/2024
Reported:	07/18/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Tamara Oldaker
Project Location:	XTO 32.24695, -103.92247		

Sample ID: WW 2 (H244257-12)

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	07/17/2024	ND	1.95	97.3	2.00	2.48		
Toluene*	<0.050	0.050	07/17/2024	ND	1.92	95.8	2.00	2.13		
Ethylbenzene*	<0.050	0.050	07/17/2024	ND	2.01	101	2.00	2.25		
Total Xylenes*	<0.150	0.150	07/17/2024	ND	5.91	98.5	6.00	2.29		
Total BTEX	<0.300	0.300	07/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 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	112	16.0	07/17/2024	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	07/17/2024	ND	191	95.5	200	3.84		
DRO >C10-C28*	<10.0	10.0	07/17/2024	ND	187	93.3	200	4.26		
EXT DRO >C28-C36	<10.0	10.0	07/17/2024	ND						

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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July 24, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RISER 11

Enclosed are the results of analyses for samples received by the laboratory on 07/22/24 10:20.

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, 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	07/22/2024	Sampling Date:	07/16/2024
Reported:	07/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.24695, -103.92247		

Sample ID: FL 7@2' (H244346-01)

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	07/22/2024	ND	2.02	101	2.00	4.08	
Toluene*	<0.050	0.050	07/22/2024	ND	2.21	110	2.00	2.65	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.27	114	2.00	1.91	
Total Xylenes*	<0.150	0.150	07/22/2024	ND	7.03	117	6.00	2.21	
Total BTEX	<0.300	0.300	07/22/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/22/2024	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	07/22/2024	ND	213	106	200	3.44	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	200	100	200	9.91	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	07/22/2024	Sampling Date:	07/16/2024
Reported:	07/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.24695, -103.92247		

Sample ID: FL 8@2' (H244346-02)

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	07/22/2024	ND	2.02	101	2.00	4.08	
Toluene*	<0.050	0.050	07/22/2024	ND	2.21	110	2.00	2.65	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.27	114	2.00	1.91	
Total Xylenes*	<0.150	0.150	07/22/2024	ND	7.03	117	6.00	2.21	
Total BTEX	<0.300	0.300	07/22/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/22/2024	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	07/22/2024	ND	213	106	200	3.44	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	200	100	200	9.91	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 112 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	07/22/2024	Sampling Date:	07/16/2024
Reported:	07/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.24695, -103.92247		

Sample ID: FL 9@3.5' (H244346-03)

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	07/22/2024	ND	2.02	101	2.00	4.08	
Toluene*	<0.050	0.050	07/22/2024	ND	2.21	110	2.00	2.65	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.27	114	2.00	1.91	
Total Xylenes*	<0.150	0.150	07/22/2024	ND	7.03	117	6.00	2.21	
Total BTEX	<0.300	0.300	07/22/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/22/2024	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	07/22/2024	ND	213	106	200	3.44	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	200	100	200	9.91	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	07/22/2024	Sampling Date:	07/16/2024
Reported:	07/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.24695, -103.92247		

Sample ID: FL 10@2' (H244346-04)

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	07/22/2024	ND	2.02	101	2.00	4.08	
Toluene*	<0.050	0.050	07/22/2024	ND	2.21	110	2.00	2.65	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.27	114	2.00	1.91	
Total Xylenes*	<0.150	0.150	07/22/2024	ND	7.03	117	6.00	2.21	
Total BTEX	<0.300	0.300	07/22/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/22/2024	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	07/22/2024	ND	213	106	200	3.44	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	200	100	200	9.91	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 115 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	07/22/2024	Sampling Date:	07/16/2024
Reported:	07/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.24695, -103.92247		

Sample ID: FL 11@2' (H244346-05)

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	07/22/2024	ND	2.02	101	2.00	4.08	
Toluene*	<0.050	0.050	07/22/2024	ND	2.21	110	2.00	2.65	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.27	114	2.00	1.91	
Total Xylenes*	<0.150	0.150	07/22/2024	ND	7.03	117	6.00	2.21	
Total BTEX	<0.300	0.300	07/22/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/22/2024	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	07/22/2024	ND	213	106	200	3.44	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	200	100	200	9.91	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 114 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	07/22/2024	Sampling Date:	07/16/2024
Reported:	07/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.24695, -103.92247		

Sample ID: FL 12 @2' (H244346-06)

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	07/22/2024	ND	2.01	100	2.00	7.13	
Toluene*	<0.050	0.050	07/22/2024	ND	2.21	110	2.00	4.35	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.28	114	2.00	3.21	
Total Xylenes*	<0.150	0.150	07/22/2024	ND	7.11	118	6.00	2.65	
Total BTEX	<0.300	0.300	07/22/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/22/2024	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	07/22/2024	ND	202	101	200	3.16	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	200	99.9	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	07/22/2024	Sampling Date:	07/16/2024
Reported:	07/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.24695, -103.92247		

Sample ID: FL 13 @3' (H244346-07)

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	07/22/2024	ND	2.01	100	2.00	7.13	
Toluene*	<0.050	0.050	07/22/2024	ND	2.21	110	2.00	4.35	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.28	114	2.00	3.21	
Total Xylenes*	<0.150	0.150	07/22/2024	ND	7.11	118	6.00	2.65	
Total BTEX	<0.300	0.300	07/22/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/22/2024	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	07/22/2024	ND	202	101	200	3.16	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	200	99.9	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	07/22/2024	Sampling Date:	07/16/2024
Reported:	07/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.24695, -103.92247		

Sample ID: NW 3 (H244346-08)

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	07/22/2024	ND	2.01	100	2.00	7.13	
Toluene*	<0.050	0.050	07/22/2024	ND	2.21	110	2.00	4.35	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.28	114	2.00	3.21	
Total Xylenes*	<0.150	0.150	07/22/2024	ND	7.11	118	6.00	2.65	
Total BTEX	<0.300	0.300	07/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/22/2024	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	07/22/2024	ND	202	101	200	3.16	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	200	99.9	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	07/22/2024	Sampling Date:	07/16/2024
Reported:	07/24/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Alyssa Parras
Project Location:	XTO 32.24695, -103.92247		

Sample ID: EW 2 (H244346-09)

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	07/22/2024	ND	2.01	100	2.00	7.13	
Toluene*	<0.050	0.050	07/22/2024	ND	2.21	110	2.00	4.35	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.28	114	2.00	3.21	
Total Xylenes*	<0.150	0.150	07/22/2024	ND	7.11	118	6.00	2.65	
Total BTEX	<0.300	0.300	07/22/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/22/2024	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	07/22/2024	ND	202	101	200	3.16	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	200	99.9	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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August 05, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RISER 11

Enclosed are the results of analyses for samples received by the laboratory on 08/02/24 12:36.

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:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/02/2024	Sampling Date:	07/31/2024
Reported:	08/05/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: FL 14 @ 1' (H244651-01)

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	08/02/2024	ND	2.03	102	2.00	1.02	
Toluene*	<0.050	0.050	08/02/2024	ND	2.18	109	2.00	0.147	
Ethylbenzene*	<0.050	0.050	08/02/2024	ND	2.29	115	2.00	0.347	
Total Xylenes*	<0.150	0.150	08/02/2024	ND	7.03	117	6.00	0.191	
Total BTEX	<0.300	0.300	08/02/2024	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	208	16.0	08/05/2024	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2024	ND	207	103	200	5.57	
DRO >C10-C28*	<10.0	10.0	08/02/2024	ND	217	108	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	08/02/2024	ND					

Surrogate: 1-Chlorooctane 68.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.5 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/02/2024	Sampling Date:	07/31/2024
Reported:	08/05/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: FL 15 @ 3' (H244651-02)

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	08/02/2024	ND	2.03	102	2.00	1.02	
Toluene*	<0.050	0.050	08/02/2024	ND	2.18	109	2.00	0.147	
Ethylbenzene*	<0.050	0.050	08/02/2024	ND	2.29	115	2.00	0.347	
Total Xylenes*	<0.150	0.150	08/02/2024	ND	7.03	117	6.00	0.191	
Total BTEX	<0.300	0.300	08/02/2024	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	16.0	16.0	08/05/2024	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2024	ND	207	103	200	5.57	
DRO >C10-C28*	<10.0	10.0	08/02/2024	ND	217	108	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	08/02/2024	ND					

Surrogate: 1-Chlorooctane 71.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

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Analytical Results For:

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 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/02/2024	Sampling Date:	07/31/2024
Reported:	08/05/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: FL 16 @ 3' (H244651-03)

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	08/02/2024	ND	2.03	102	2.00	1.02	
Toluene*	<0.050	0.050	08/02/2024	ND	2.18	109	2.00	0.147	
Ethylbenzene*	<0.050	0.050	08/02/2024	ND	2.29	115	2.00	0.347	
Total Xylenes*	<0.150	0.150	08/02/2024	ND	7.03	117	6.00	0.191	
Total BTEX	<0.300	0.300	08/02/2024	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	256	16.0	08/05/2024	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2024	ND	207	103	200	5.57	
DRO >C10-C28*	<10.0	10.0	08/02/2024	ND	217	108	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	08/02/2024	ND					

Surrogate: 1-Chlorooctane 70.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/02/2024	Sampling Date:	07/31/2024
Reported:	08/05/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: FL 17 @ 3' (H244651-04)

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	08/02/2024	ND	2.03	102	2.00	1.02	
Toluene*	<0.050	0.050	08/02/2024	ND	2.18	109	2.00	0.147	
Ethylbenzene*	<0.050	0.050	08/02/2024	ND	2.29	115	2.00	0.347	
Total Xylenes*	<0.150	0.150	08/02/2024	ND	7.03	117	6.00	0.191	
Total BTEX	<0.300	0.300	08/02/2024	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	96.0	16.0	08/05/2024	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2024	ND	207	103	200	5.57	
DRO >C10-C28*	<10.0	10.0	08/02/2024	ND	217	108	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	08/02/2024	ND					

Surrogate: 1-Chlorooctane 72.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/02/2024	Sampling Date:	07/31/2024
Reported:	08/05/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: FL 18 @ 3' (H244651-05)

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	08/02/2024	ND	2.03	102	2.00	1.02	
Toluene*	<0.050	0.050	08/02/2024	ND	2.18	109	2.00	0.147	
Ethylbenzene*	<0.050	0.050	08/02/2024	ND	2.29	115	2.00	0.347	
Total Xylenes*	<0.150	0.150	08/02/2024	ND	7.03	117	6.00	0.191	
Total BTEX	<0.300	0.300	08/02/2024	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	192	16.0	08/05/2024	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2024	ND	207	103	200	5.57	
DRO >C10-C28*	<10.0	10.0	08/02/2024	ND	217	108	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	08/02/2024	ND					

Surrogate: 1-Chlorooctane 75.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/02/2024	Sampling Date:	07/31/2024
Reported:	08/05/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: FL 19 @ 3' (H244651-06)

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	08/02/2024	ND	2.03	102	2.00	1.02	
Toluene*	<0.050	0.050	08/02/2024	ND	2.18	109	2.00	0.147	
Ethylbenzene*	<0.050	0.050	08/02/2024	ND	2.29	115	2.00	0.347	
Total Xylenes*	<0.150	0.150	08/02/2024	ND	7.03	117	6.00	0.191	
Total BTEX	<0.300	0.300	08/02/2024	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	48.0	16.0	08/05/2024	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2024	ND	207	103	200	5.57	
DRO >C10-C28*	<10.0	10.0	08/02/2024	ND	217	108	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	08/02/2024	ND					

Surrogate: 1-Chlorooctane 72.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

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Analytical Results For:

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 HOBBS NM, 88240
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Received:	08/02/2024	Sampling Date:	07/31/2024
Reported:	08/05/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: FL 20 @ 3' (H244651-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/02/2024	ND	2.03	102	2.00	1.02	
Toluene*	<0.050	0.050	08/02/2024	ND	2.18	109	2.00	0.147	
Ethylbenzene*	<0.050	0.050	08/02/2024	ND	2.29	115	2.00	0.347	
Total Xylenes*	<0.150	0.150	08/02/2024	ND	7.03	117	6.00	0.191	
Total BTEX	<0.300	0.300	08/02/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/05/2024	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2024	ND	207	103	200	5.57	
DRO >C10-C28*	<10.0	10.0	08/03/2024	ND	217	108	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	08/03/2024	ND					

Surrogate: 1-Chlorooctane 71.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

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Received:	08/02/2024	Sampling Date:	07/31/2024
Reported:	08/05/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: FL 21 @ 3' (H244651-08)

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	08/02/2024	ND	2.03	102	2.00	1.02	
Toluene*	<0.050	0.050	08/02/2024	ND	2.18	109	2.00	0.147	
Ethylbenzene*	<0.050	0.050	08/02/2024	ND	2.29	115	2.00	0.347	
Total Xylenes*	<0.150	0.150	08/02/2024	ND	7.03	117	6.00	0.191	
Total BTEX	<0.300	0.300	08/02/2024	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	16.0	16.0	08/05/2024	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2024	ND	207	103	200	5.57	
DRO >C10-C28*	<10.0	10.0	08/03/2024	ND	217	108	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	08/03/2024	ND					

Surrogate: 1-Chlorooctane 74.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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Received:	08/02/2024	Sampling Date:	07/31/2024
Reported:	08/05/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: FL 22 @ 3' (H244651-09)

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	08/02/2024	ND	2.03	102	2.00	1.02	
Toluene*	<0.050	0.050	08/02/2024	ND	2.18	109	2.00	0.147	
Ethylbenzene*	<0.050	0.050	08/02/2024	ND	2.29	115	2.00	0.347	
Total Xylenes*	<0.150	0.150	08/02/2024	ND	7.03	117	6.00	0.191	
Total BTEX	<0.300	0.300	08/02/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/05/2024	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2024	ND	207	103	200	5.57	
DRO >C10-C28*	<10.0	10.0	08/03/2024	ND	217	108	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	08/03/2024	ND					

Surrogate: 1-Chlorooctane 73.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 49.1-148

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Received:	08/02/2024	Sampling Date:	07/31/2024
Reported:	08/05/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: FL 23 @ 3' (H244651-10)

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	08/02/2024	ND	2.03	102	2.00	1.02	
Toluene*	<0.050	0.050	08/02/2024	ND	2.18	109	2.00	0.147	
Ethylbenzene*	<0.050	0.050	08/02/2024	ND	2.29	115	2.00	0.347	
Total Xylenes*	<0.150	0.150	08/02/2024	ND	7.03	117	6.00	0.191	
Total BTEX	<0.300	0.300	08/02/2024	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	48.0	16.0	08/05/2024	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2024	ND	207	103	200	5.57	
DRO >C10-C28*	<10.0	10.0	08/03/2024	ND	217	108	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	08/03/2024	ND					

Surrogate: 1-Chlorooctane 66.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.9 % 49.1-148

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Analytical Results For:

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 HOBBS NM, 88240
 Fax To:

Received:	08/02/2024	Sampling Date:	07/31/2024
Reported:	08/05/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: FL 24 @ 3' (H244651-11)

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	08/02/2024	ND	2.03	102	2.00	1.02	
Toluene*	<0.050	0.050	08/02/2024	ND	2.18	109	2.00	0.147	
Ethylbenzene*	<0.050	0.050	08/02/2024	ND	2.29	115	2.00	0.347	
Total Xylenes*	<0.150	0.150	08/02/2024	ND	7.03	117	6.00	0.191	
Total BTEX	<0.300	0.300	08/02/2024	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	96.0	16.0	08/05/2024	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2024	ND	207	103	200	5.57	
DRO >C10-C28*	<10.0	10.0	08/03/2024	ND	217	108	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	08/03/2024	ND					

Surrogate: 1-Chlorooctane 70.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.8 % 49.1-148

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Analytical Results For:

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Received:	08/02/2024	Sampling Date:	07/31/2024
Reported:	08/05/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: FL 25 @ 3' (H244651-12)

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	08/02/2024	ND	2.03	102	2.00	1.02	
Toluene*	<0.050	0.050	08/02/2024	ND	2.18	109	2.00	0.147	
Ethylbenzene*	<0.050	0.050	08/02/2024	ND	2.29	115	2.00	0.347	
Total Xylenes*	<0.150	0.150	08/02/2024	ND	7.03	117	6.00	0.191	
Total BTEX	<0.300	0.300	08/02/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/05/2024	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2024	ND	217	109	200	3.16	
DRO >C10-C28*	<10.0	10.0	08/02/2024	ND	228	114	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	08/02/2024	ND					

Surrogate: 1-Chlorooctane 77.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 49.1-148

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Analytical Results For:

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Received:	08/02/2024	Sampling Date:	07/31/2024
Reported:	08/05/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: SW 2 (H244651-13)

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	08/02/2024	ND	2.03	102	2.00	1.02		
Toluene*	<0.050	0.050	08/02/2024	ND	2.18	109	2.00	0.147		
Ethylbenzene*	<0.050	0.050	08/02/2024	ND	2.29	115	2.00	0.347		
Total Xylenes*	<0.150	0.150	08/02/2024	ND	7.03	117	6.00	0.191		
Total BTEX	<0.300	0.300	08/02/2024	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	320	16.0	08/05/2024	ND	432	108	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/02/2024	ND	217	109	200	3.16		
DRO >C10-C28*	<10.0	10.0	08/02/2024	ND	228	114	200	10.1		
EXT DRO >C28-C36	<10.0	10.0	08/02/2024	ND						

Surrogate: 1-Chlorooctane 75.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 49.1-148

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 HOBBS NM, 88240
 Fax To:

Received:	08/02/2024	Sampling Date:	07/31/2024
Reported:	08/05/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: SW 3 (H244651-14)

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	08/02/2024	ND	2.03	102	2.00	1.02	
Toluene*	<0.050	0.050	08/02/2024	ND	2.18	109	2.00	0.147	
Ethylbenzene*	<0.050	0.050	08/02/2024	ND	2.29	115	2.00	0.347	
Total Xylenes*	<0.150	0.150	08/02/2024	ND	7.03	117	6.00	0.191	
Total BTEX	<0.300	0.300	08/02/2024	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	16.0	16.0	08/05/2024	ND	432	108	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2024	ND	217	109	200	3.16	
DRO >C10-C28*	<10.0	10.0	08/02/2024	ND	228	114	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	08/02/2024	ND					

Surrogate: 1-Chlorooctane 78.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	08/02/2024	Sampling Date:	07/31/2024
Reported:	08/05/2024	Sampling Type:	Soil
Project Name:	RISER 11	Sampling Condition:	Cool & Intact
Project Number:	20535	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO 32.24695, -103.92247		

Sample ID: SW 4 (H244651-15)

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	08/02/2024	ND	2.00	99.8	2.00	5.19	
Toluene*	<0.050	0.050	08/02/2024	ND	1.98	98.8	2.00	5.34	
Ethylbenzene*	<0.050	0.050	08/02/2024	ND	2.09	105	2.00	5.64	
Total Xylenes*	<0.150	0.150	08/02/2024	ND	6.17	103	6.00	5.49	
Total BTEX	<0.300	0.300	08/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 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	08/05/2024	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/02/2024	ND	217	109	200	3.16	
DRO >C10-C28*	<10.0	10.0	08/02/2024	ND	228	114	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	08/02/2024	ND					

Surrogate: 1-Chlorooctane 76.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

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

Celey D. Keene, Lab Director/Quality Manager

Appendix E

Regulatory Correspondence

From: OCDOnline@state.nm.us
To: [Romero, Alan](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 360160
Date: Monday, July 1, 2024 3:31:00 PM

To whom it may concern (c/o Alan Romero for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2415234797.

The sampling event is expected to take place:

When: 07/03/2024 @ 08:00

Where: F-06-24S-30E 0 FNL 0 FEL (32.24695,-103.92247)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the western intersection of Gavalin Rd and McDonald Rd (32.197492, -103.934932), head NE on Gavalin Rd for 1.21 mi, then continue NE on Gavalin Rd for 1.83 mi, then continue NW on Gavalin Rd for 1.56 mi, then SW for 0.03 mi to arrive at the Riser 11 release area (32.246854, -103.922321).

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

From: OCDOnline@state.nm.us
To: [Romero, Alan](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 360161
Date: Monday, July 1, 2024 3:34:12 PM

To whom it may concern (c/o Alan Romero for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2415234797.

The sampling event is expected to take place:

When: 07/08/2024 @ 08:00

Where: F-06-24S-30E 0 FNL 0 FEL (32.24695,-103.92247)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the western intersection of Gavalin Rd and McDonald Rd (32.197492, -103.934932), head NE on Gavalin Rd for 1.21 mi, then continue NE on Gavalin Rd for 1.83 mi, then continue NW on Gavalin Rd for 1.56 mi, then SW for 0.03 mi to arrive at the Riser 11 release area (32.246854, -103.922321).

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

From: OCDOnline@state.nm.us
To: [Romero, Alan](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 360167
Date: Monday, July 1, 2024 3:35:54 PM

To whom it may concern (c/o Alan Romero for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2415234797.

The sampling event is expected to take place:

When: 07/09/2024 @ 08:00

Where: F-06-24S-30E 0 FNL 0 FEL (32.24695,-103.92247)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the western intersection of Gavalin Rd and McDonald Rd (32.197492, -103.934932), head NE on Gavalin Rd for 1.21 mi, then continue NE on Gavalin Rd for 1.83 mi, then continue NW on Gavalin Rd for 1.56 mi, then SW for 0.03 mi to arrive at the Riser 11 release area (32.246854, -103.922321).

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

From: OCDOnline@state.nm.us
To: [Romero, Alan](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 360172
Date: Monday, July 1, 2024 3:39:25 PM

To whom it may concern (c/o Alan Romero for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2415234797.

The sampling event is expected to take place:

When: 07/10/2024 @ 08:00

Where: F-06-24S-30E 0 FNL 0 FEL (32.24695,-103.92247)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the western intersection of Gavalin Rd and McDonald Rd (32.197492, -103.934932), head NE on Gavalin Rd for 1.21 mi, then continue NE on Gavalin Rd for 1.83 mi, then continue NW on Gavalin Rd for 1.56 mi, then SW for 0.03 mi to arrive at the Riser 11 release area (32.246854, -103.922321).

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

From: OCDOnline@state.nm.us
To: [Romero, Alan](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 360173
Date: Monday, July 1, 2024 3:40:52 PM

To whom it may concern (c/o Alan Romero for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2415234797.

The sampling event is expected to take place:

When: 07/11/2024 @ 08:00

Where: F-06-24S-30E 0 FNL 0 FEL (32.24695,-103.92247)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the western intersection of Gavalin Rd and McDonald Rd (32.197492, -103.934932), head NE on Gavalin Rd for 1.21 mi, then continue NE on Gavalin Rd for 1.83 mi, then continue NW on Gavalin Rd for 1.56 mi, then SW for 0.03 mi to arrive at the Riser 11 release area (32.246854, -103.922321).

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

From: OCDOnline@state.nm.us
To: [Romero, Alan](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 360175
Date: Monday, July 1, 2024 3:42:06 PM

To whom it may concern (c/o Alan Romero for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2415234797.

The sampling event is expected to take place:

When: 07/12/2024 @ 08:00

Where: F-06-24S-30E 0 FNL 0 FEL (32.24695,-103.92247)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the western intersection of Gavalin Rd and McDonald Rd (32.197492, -103.934932), head NE on Gavalin Rd for 1.21 mi, then continue NE on Gavalin Rd for 1.83 mi, then continue NW on Gavalin Rd for 1.56 mi, then SW for 0.03 mi to arrive at the Riser 11 release area (32.246854, -103.922321).

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

From: OCDOnline@state.nm.us
To: [Romero, Alan](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 360177
Date: Monday, July 1, 2024 3:42:55 PM

To whom it may concern (c/o Alan Romero for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2415234797.

The sampling event is expected to take place:

When: 07/15/2024 @ 08:00

Where: F-06-24S-30E 0 FNL 0 FEL (32.24695,-103.92247)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the western intersection of Gavalin Rd and McDonald Rd (32.197492, -103.934932), head NE on Gavalin Rd for 1.21 mi, then continue NE on Gavalin Rd for 1.83 mi, then continue NW on Gavalin Rd for 1.56 mi, then SW for 0.03 mi to arrive at the Riser 11 release area (32.246854, -103.922321).

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

From: OCDOnline@state.nm.us
To: [Romero, Alan](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 360180
Date: Monday, July 1, 2024 3:53:39 PM

To whom it may concern (c/o Alan Romero for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2415234797.

The sampling event is expected to take place:

When: 07/16/2024 @ 08:00

Where: F-06-24S-30E 0 FNL 0 FEL (32.24695,-103.92247)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the western intersection of Gavalin Rd and McDonald Rd (32.197492, -103.934932), head NE on Gavalin Rd for 1.21 mi, then continue NE on Gavalin Rd for 1.83 mi, then continue NW on Gavalin Rd for 1.56 mi, then SW for 0.03 mi to arrive at the Riser 11 release area (32.246854, -103.922321).

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

From: [Smith, Kailee /C](#)
To: [Romero, Alan](#)
Subject: Fwd: The Oil Conservation Division (OCD) has accepted the application, Application ID: 363358
Date: Thursday, July 11, 2024 4:28:33 PM

Sent from my iPhone

Begin forwarded message:

From: OCDOnline@state.nm.us
Date: July 11, 2024 at 1:27:58 PM MDT
To: "Smith, Kailee /C" <kailee.smith@exxonmobil.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 363358

To whom it may concern (c/o Kailee Smith for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2415234797.

The sampling event is expected to take place:

When: 07/15/2024 @ 08:00

Where: F-06-24S-30E 0 FNL 0 FEL (32.24695,-103.92247)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the western intersection of Gavalin Rd and McDonald Rd (32.197492, -103.934932), head NE on Gavalin Rd for 1.21 mi, then continue NE on Gavalin Rd for 1.83 mi, then continue NW on Gavalin Rd for 1.56 mi, then SW for 0.03 mi to arrive at the Riser 11 release area (32.246854, -103.922321).

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

From: [Smith, Kailee /C](#)
To: [Romero, Alan](#)
Subject: Fwd: The Oil Conservation Division (OCD) has accepted the application, Application ID: 363360
Date: Thursday, July 11, 2024 4:28:24 PM

Sent from my iPhone

Begin forwarded message:

From: OCDOnline@state.nm.us
Date: July 11, 2024 at 1:26:18 PM MDT
To: "Smith, Kailee /C" <kailee.smith@exxonmobil.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 363360

To whom it may concern (c/o Kailee Smith for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2415234797.

The sampling event is expected to take place:

When: 07/16/2024 @ 08:00

Where: F-06-24S-30E 0 FNL 0 FEL (32.24695,-103.92247)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the western intersection of Gavalin Rd and McDonald Rd (32.197492, -103.934932), head NE on Gavalin Rd for 1.21 mi, then continue NE on Gavalin Rd for 1.83 mi, then continue NW on Gavalin Rd for 1.56 mi, then SW for 0.03 mi to arrive at the Riser 11 release area (32.246854, -103.922321).

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

From: [Smith, Kailee /C](#)
To: [Romero, Alan](#)
Subject: Fwd: The Oil Conservation Division (OCD) has accepted the application, Application ID: 363362
Date: Thursday, July 11, 2024 4:28:53 PM

Sent from my iPhone

Begin forwarded message:

From: OCDOnline@state.nm.us
Date: July 11, 2024 at 1:30:31 PM MDT
To: "Smith, Kailee /C" <kailee.smith@exxonmobil.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 363362

To whom it may concern (c/o Kailee Smith for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2415234797.

The sampling event is expected to take place:

When: 07/17/2024 @ 08:00

Where: F-06-24S-30E 0 FNL 0 FEL (32.24695,-103.92247)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the western intersection of Gavalin Rd and McDonald Rd (32.197492, -103.934932), head NE on Gavalin Rd for 1.21 mi, then continue NE on Gavalin Rd for 1.83 mi, then continue NW on Gavalin Rd for 1.56 mi, then SW for 0.03 mi to arrive at the Riser 11 release area (32.246854, -103.922321).

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

From: [Smith, Kailee /C](#)
To: [Romero, Alan](#)
Subject: Fwd: The Oil Conservation Division (OCD) has accepted the application, Application ID: 363363
Date: Thursday, July 11, 2024 4:28:29 PM

Sent from my iPhone

Begin forwarded message:

From: OCDOnline@state.nm.us
Date: July 11, 2024 at 1:26:21 PM MDT
To: "Smith, Kailee /C" <kailee.smith@exxonmobil.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 363363

To whom it may concern (c/o Kailee Smith for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2415234797.

The sampling event is expected to take place:

When: 07/18/2024 @ 08:00

Where: F-06-24S-30E 0 FNL 0 FEL (32.24695,-103.92247)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the western intersection of Gavalin Rd and McDonald Rd (32.197492, -103.934932), head NE on Gavalin Rd for 1.21 mi, then continue NE on Gavalin Rd for 1.83 mi, then continue NW on Gavalin Rd for 1.56 mi, then SW for 0.03 mi to arrive at the Riser 11 release area (32.246854, -103.922321).

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

From: OCDOnline@state.nm.us
To: [Romero, Alan](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 367027
Date: Wednesday, July 24, 2024 4:14:58 PM

To whom it may concern (c/o Alan Romero for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2415234797.

The sampling event is expected to take place:

When: 07/26/2024 @ 08:00

Where: F-06-24S-30E 0 FNL 0 FEL (32.24695,-103.92247)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the western intersection of Gavalin Rd and McDonald Rd (32.197492, -103.934932), head NE on Gavalin Rd for 1.21 mi, then continue NE on Gavalin Rd for 1.83 mi, then continue NW on Gavalin Rd for 1.56 mi, then SW for 0.03 mi to arrive at the Riser 11 release area (32.246854, -103.922321).

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

From: OCDOnline@state.nm.us
To: [Romero, Alan](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 367030
Date: Wednesday, July 24, 2024 4:17:40 PM

To whom it may concern (c/o Alan Romero for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2415234797.

The sampling event is expected to take place:

When: 07/29/2024 @ 08:00

Where: F-06-24S-30E 0 FNL 0 FEL (32.24695,-103.92247)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the western intersection of Gavalin Rd and McDonald Rd (32.197492, -103.934932), head NE on Gavalin Rd for 1.21 mi, then continue NE on Gavalin Rd for 1.83 mi, then continue NW on Gavalin Rd for 1.56 mi, then SW for 0.03 mi to arrive at the Riser 11 release area (32.246854, -103.922321).

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

From: OCDOnline@state.nm.us
To: [Romero, Alan](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 367034
Date: Wednesday, July 24, 2024 4:18:50 PM

To whom it may concern (c/o Alan Romero for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2415234797.

The sampling event is expected to take place:

When: 07/30/2024 @ 08:00

Where: F-06-24S-30E 0 FNL 0 FEL (32.24695,-103.92247)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the western intersection of Gavalin Rd and McDonald Rd (32.197492, -103.934932), head NE on Gavalin Rd for 1.21 mi, then continue NE on Gavalin Rd for 1.83 mi, then continue NW on Gavalin Rd for 1.56 mi, then SW for 0.03 mi to arrive at the Riser 11 release area (32.246854, -103.922321).

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

From: OCDOnline@state.nm.us
To: [Romero, Alan](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 367036
Date: Wednesday, July 24, 2024 4:20:48 PM

To whom it may concern (c/o Alan Romero for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2415234797.

The sampling event is expected to take place:

When: 07/31/2024 @ 08:00

Where: F-06-24S-30E 0 FNL 0 FEL (32.24695,-103.92247)

Additional Information: Aaron Rios, 432-701-8602

Additional Instructions: From the western intersection of Gavalin Rd and McDonald Rd (32.197492, -103.934932), head NE on Gavalin Rd for 1.21 mi, then continue NE on Gavalin Rd for 1.83 mi, then continue NW on Gavalin Rd for 1.56 mi, then SW for 0.03 mi to arrive at the Riser 11 release area (32.246854, -103.922321).

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

From: [Hamlet, Robert, EMNRD](#)
To: [Romero, Alan](#)
Cc: [Ben Arguijo](#); [Smith, Kailee /C](#); [Lance Crenshaw](#); [Garcia, Amanda](#); [Ruth, Amy](#); [Brown, Colton S](#); [Dirkx, Kaylan](#); [Bratcher, Michael, EMNRD](#); [Wells, Shelly, EMNRD](#); [Velez, Nelson, EMNRD](#)
Subject: Extension Approval - XTO - Nash Riser 11 - Incident Number NAPP2415234797
Date: Friday, August 16, 2024 9:49:49 AM

RE: Incident #NAPP2415234797

Alan,

Your request for a 90 day extension to **November 14th, 2024** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave. | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
<http://www.emnrd.state.nm.us/OCD/>



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Thursday, August 15, 2024 1:44 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] XTO Extension Request - Nash Riser 11 - Incident Number NAPP2415234797

From: Romero, Alan <alan.romero1@exxonmobil.com>
Sent: Thursday, August 15, 2024 1:29 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Ben Arguijo <bena@etechnv.com>; Lance Crenshaw <lance@etechnv.com>; Garcia, Amanda <amanda.garcia@exxonmobil.com>; Ruth, Amy <amy.ruth@exxonmobil.com>; Brown, Colton S <colton.s.brown@exxonmobil.com>; Dirkx, Kaylan <kaylan.dirkx@exxonmobil.com>; Smith, Kailee /C <kailee.smith@exxonmobil.com>
Subject: [EXTERNAL] XTO Extension Request - Nash Riser 11 - Incident Number NAPP2415234797

CAUTION: This email originated outside of our organization. Exercise caution prior to

clicking on links or opening attachments.

Good Afternoon,

XTO is requesting an extension for the current deadline of August 15, 2024 for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Corral Canyon 8 Satellite (Incident Number NAPP2415234797). Most of the required remediation activities have been completed, including the collection of all necessary confirmation samples. However, backfilling of a portion of the excavated area has been delayed due to additional repairs needed to return the subject pipeline back into service. It is anticipated that those repairs will be completed by the end of this week. In order to backfill and subsequently complete required remediation activities to submit a remediation work plan or closure report, XTO respectfully requests a 90-day extension from today until November 15, 2024.

Thank you for your time and please let me know if you have any questions.

Respectfully,

Alan Romero

Environmental/Regulatory Advisor

Permian Business Unit – New Mexico Delaware Basin

ExxonMobil Upstream Oil & Gas Company Unconventional

3104 East Greene Street

Carlsbad, New Mexico 88220

Direct: (575) 988-3383

This document may contain information that is privileged, confidential and exempt from disclosure under applicable law. If you are not the intended recipient, you are notified that any unauthorized disclosure, copying, distribution or action on/of the contents of this document is prohibited.

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 392539

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 392539
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2415234797
Incident Name	NAPP2415234797 NASH RISER 11 @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	NASH RISER 11
Date Release Discovered	05/17/2024
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
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	
<i>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.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Pipeline (Any) Crude Oil Released: 35 BBL Recovered: 10 BBL Lost: 25 BBL.
Produced Water Released (bbls) Details	Not answered.
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)	Not answered.

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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 392539

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 392539
	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	Not answered.

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: Alan Romero Title: Regulatory Analyst Email: alan.romero1@exxonmobil.com Date: 05/31/2024
--	--

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

General Information
Phone: (505) 629-6116

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<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 392539

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 392539
	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 1 and 5 (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	Between 1 and 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	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

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)	7120
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
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	07/10/2024
On what date will (or did) the final sampling or liner inspection occur	07/31/2024
On what date will (or was) the remediation complete(d)	08/23/2024
What is the estimated surface area (in square feet) that will be reclaimed	5012
What is the estimated volume (in cubic yards) that will be reclaimed	497
What is the estimated surface area (in square feet) that will be remediated	5012
What is the estimated volume (in cubic yards) that will be remediated	840

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
Phone: (505) 476-3441

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

QUESTIONS, Page 4

Action 392539

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 392539
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

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.

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

(Select all answers below that apply.)

(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	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
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)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

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 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: Kailee Smith Title: Regulatory Analyst Email: kailee.smith@exxonmobil.com Date: 10/14/2024
--	---

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
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

QUESTIONS, Page 5

Action 392539

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 392539
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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 6

Action 392539

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 392539
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	367036
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/31/2024
What was the (estimated) number of samples that were to be gathered	30
What was the sampling surface area in square feet	3647

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

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	5012
What was the total volume (cubic yards) remediated	840
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	5012
What was the total volume (in cubic yards) reclaimed	497

Summarize any additional remediation activities not included by answers (above)	On August 7 – 9 and August 23, 2024, upon receiving laboratory analytical results from confirmation soil samples, the excavated area was backfilled with locally sourced, non-impacted, "like" material emplaced at or near original relative positions. The affected areas were 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 during the first favorable growing season following closure of the Site. The seed mix will be certified as weed-free and installed at the prescribed rate utilizing either a seed drill or a broadcaster and harrow
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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 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: Kailee Smith Title: Regulatory Analyst Email: kailee.smith@exxonmobil.com Date: 10/14/2024
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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 7

Action 392539

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 392539
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 392539

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 392539
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2415234797 NASH RISER 11, thank you. This Remediation Closure Report is approved.	11/14/2024