

Remediation Summary & Deferral Request

XTO Energy, Inc.

BEU DI 29 Battery

Lea County, New Mexico

Unit Letter "D", Section 21, Township 20 South, Range 32 East

Latitude 32.565105 North, Longitude 103.778548 West

NMOCD Reference No. nAPP2411738138

Prepared By:

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Midland • San Antonio • Lubbock • Hobbs • Lafayette

TABLE OF CONTENTS

	<i>Section</i>
PROJECT INFORMATION.....	1.0
SITE CHARACTERIZATION.....	2.0
CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE.....	3.0
REMEDIATION ACTIVITIES SUMMARY.....	4.0
RESTORATION, RECLAMATION & RE-VEGETATION PLAN.....	5.0
DEFERRAL REQUEST.....	6.0
LIMITATIONS.....	7.0
DISTRIBUTION.....	8.0

FIGURES

- Figure 1 - Site Location Map
- Figure 2A - Site Characterization Map (0.5-Mile Radius)
- Figure 2B - Site Characterization Map (5-Mile Radius)
- Figure 3 - Sample Location Map

TABLES

- Table 1 - Concentrations of BTEX, TPH & Chloride in Soil

APPENDICES

- Appendix A - Depth to Groundwater Information
- Appendix B - Field Data
- Appendix C - Photographic Log
- Appendix D - Laboratory Analytical Reports
- Appendix E - Regulatory Correspondence

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 26 and 50 (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 1,000 (ft.) and ½ (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 1,000 (ft.) and ½ (mi.)
A subsurface mine?	Between 1,000 (ft.) and ½ (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?	Greater than 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 26 and 50 (ft.)	Chloride (Cl-)	EPA** 300.0 or SM4500 Cl B	600	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	100	100
	Gas Range Organics + Diesel Range Organics (GRO+DRO)	EPA SW-846 Method 8015M	N/A	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 REMEDIATION ACTIVITIES SUMMARY

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?	6/5/2024
On what date will (or did) the final sampling or liner inspection occur?	6/20/2024
On what date will (or was) the remediation complete(d)?	6/20/2024
What is the total surface area (sq. ft.) in need of or that will <i>eventually</i> be reclaimed?	8,359
What is the total volume (cy) in need of or that will <i>eventually</i> be reclaimed?	1,052
What was the total surface area (sq. ft.) that has or will be remediated?	4,296
What was the total volume (cy) that has or will be remediated?	440
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?	<u>R360 Halfway Facility</u>
NMOCD Disposal Facility ID?	<u>fEEM0112334510</u>
Summarize any additional remediation activities not included by answers above.	<u>See below</u>

On June 5, 2024, Etech commenced remediation activities at the Site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and 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 NMOCD Reclamation Standards or to the extent practicable. 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	26,800	DEF 4 @ Surf	6/13/24	0	Deferral
TPH	<30.0	All submitted soil samples	6/10 – 6/14, 6/18 & 6/20/24	0 - 5	In-Situ & Excavated
GRO+DRO	<20.0	All submitted soil samples	6/10 – 6/14, 6/18 & 6/20/24	0 - 5	In-Situ & Excavated
BTEX	<0.300	All submitted soil samples	6/10 – 6/14, 6/18 & 6/20/24	0 - 5	In-Situ & Excavated
Benzene	<0.050	All submitted soil samples	6/10 – 6/14, 6/18 & 6/20/24	0 - 5	In-Situ & Excavated

Please reference Table 1 for additional information.

On June 10, 2024, Etech collected eight (8) confirmation soil samples (FL 1 @ 3', FL 2 @ 3', FL 3 @ 4', NW 1, NW 2, EW 1, EW 2, and WW 2) from the floor and sidewalls of the excavated area. The soil samples were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the 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 limits (MDL). Chloride concentrations ranged from 272 mg/kg in soil samples FL 2 @ 3' and EW 2 to 480 mg/kg in soil sample FL 1 @ 3'.

On June 11, 2024, Etech collected 19 confirmation soil samples (FL 4 @ 3' through FL 18 @ 3', NW 3, EW 4, WW 1, and WW 3) from the floor and sidewalls 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 and TPH concentrations were below the applicable NMOCD Closure Criteria, NMOCD Reclamation Standards, and laboratory MDL in each of the submitted soil samples. Chloride concentrations ranged from 160 mg/kg in soil samples FL 10 @ 3' and FL 16 @ 3' to 1,120 mg/kg in soil sample FL 5 @ 4'. The chloride concentrations in soil samples FL 4 @ 3', FL 5 @ 4', FL 6 @ 3', FL 14 @ 3', and FL 17 @ 3' exceeded the NMOCD Closure Criterion and NMOCD Reclamation Standard. Based on these laboratory analytical results, the excavation was subsequently further advanced in the areas characterized by soil samples FL 4 @ 3', FL 5 @ 4', FL 6 @ 3', FL 14 @ 3', and FL 17 @ 3'.

On June 12, 2024, Etech advanced two (2) hand-augered soil bores (DEF 1 and DEF 2) within the release margins in an effort to further characterize the affected area adjacent to and/or beneath on-site production equipment (i.e., tanks, electrical facilities, piping, appurtenances, etc.) requiring deferral of remediation (henceforth, "Deferral Area"). During the advancement of the hand-augered soil bores, soil samples were collected and field-screened for concentrations of chloride utilizing a chloride test kit and/or the presence of volatile organic compounds (VOCs) utilizing olfactory/visual senses. The soil bores were advanced in one (1) foot increments until field observations and field test data suggested that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards.

Based on field observations and field test data, seven (7) deferral characterization soil samples (DEF 1 @ Surf, DEF 1 @ 1', DEF 1 @ 2', DEF 2 @ Surf, DEF 2 @ 1', DEF 2 @ 2', and DEF 2 @ 3') were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that additional delineation was required to determine the vertical extent of impacted soil in sample points DEF 1 and DEF 2.

On June 12, 2024, Etech also collected 26 confirmation soil samples (FL 19 @ 1.5' through FL 36 @ 2', NW 4, EW 5, SW 1 through SW 4, WW 4, and WW 5) from the floor and sidewalls 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 and TPH concentrations were below the applicable NMOCD Closure Criteria, NMOCD Reclamation Standards, and laboratory MDL in each of the submitted soil samples. Chloride concentrations ranged from 384 mg/kg in soil sample FL 19 @ 1.5' to 1,470 mg/kg in soil sample FL 22 @ 1.5'. The chloride concentrations in soil samples FL 20 @ 1.5', FL 22 @ 1.5' through FL 27 @ 1.5', FL 29 @ 1.5', FL 30 @ 1.5', FL 34 @ 2', FL 35 @ 2', FL 36 @ 2', NW 4, SW 1, SW 3, SW 4, WW 4, and WW 5 exceeded the NMOCD Closure Criterion and NMOCD Reclamation Standard. Based on these laboratory analytical results, the excavation was subsequently further advanced in the areas characterized by soil samples FL 20 @ 1.5', FL 22 @ 1.5' through FL 27 @ 1.5', FL 29 @ 1.5', FL 30 @ 1.5', FL 34 @ 2', FL 35 @ 2', FL 36 @ 2', NW 4, SW 1, SW 3, SW 4, WW 4, and WW 5.

On June 13, 2024, Etech advanced five (5) additional hand-augered soil bores (DEF 3 through and DEF 7) within the Deferral Area in an effort to further investigate the vertical extent of impacted soil to remain in-situ. During the advancement of the hand-augered soil bores, soil samples were collected and field-screened for concentrations of chloride and/or the presence of VOCs. The soil bores were advanced in one (1) foot increments until field observations and field test data suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards.

Based on field observations and field test data, a total of 20 deferral characterization soil samples (DEF 3 @ Surf, DEF 3 @ 1', DEF 3 @ 2', DEF 3 @ 3', DEF 4 @ Surf, DEF 4 @ 1', DEF 4 @ 2', DEF 4 @ 3', DEF 5 @ Surf, DEF 5 @ 1', DEF 5 @ 2', DEF

5 @ 3', DEF 6 @ Surf, DEF 6 @ 1', DEF 6 @ 2', DEF 6 @ 3', DEF 7 @ Surf, DEF 7 @ 1', DEF 7 @ 2', and DEF 7 @ 3') were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that the vertical extent of impacted soil was adequately defined in the area characterized by sample point DEF 6 and did not extend beyond three (3) feet bgs. However, additional delineation was required to determine the vertical extent of impacted soil in the areas characterized by sample points DEF 3, DEF 4, DEF 5 and DEF 7.

On June 14, 2024, Etech collected 23 confirmation soil samples (FL 4 @ 4', FL 5 @ 5', FL 6 @ 4', FL 14 @ 4', FL 17 @ 4', FL 20 @ 3', FL 22 @ 3' through FL 27 @ 3', FL 29 @ 3', FL 30 @ 3', FL 34 @ 3', FL 35 @ 3', FL 36 @ 3', NW 4A, SW 1A, SW 3A, SW 4A, WW 4A, and WW 5A) from the floor and sidewalls 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 64.0 mg/kg in soil samples FL 6 @ 4', FL 14 @ 4', FL 22 @ 3', FL 29 @ 3', FL 36 @ 3', NW 4A, SW 1A, and WW 4A to 96.0 mg/kg in soil samples FL 24 @ 3' and FL 34 @ 3'.

On June 18 and June 20, 2024, in an effort to further investigate the vertical extent of impacted soil to remain in-situ in the Deferral Area, Etech re-entered and advanced auger holes DEF 1 through DEF 5 and DEF 7 an additional one (1) foot each to total depths of four (4) feet bgs. Upon advancement of the hand-augered soil bores, soil samples were collected and field-screened for concentrations of chloride and/or the presence of VOCs.

Based on laboratory analytical results and field screens, six (6) additional deferral characterization soil samples (DEF 1 @ 4', DEF 2 @ 4', DEF 3 @ 4', DEF 4 @ 4', DEF 5 @ 4', and DEF 7 @ 4') were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that the vertical extent of impacted soil was adequately defined in each of the sample points and did not extend beyond four (4) feet bgs.

The final dimensions of the excavated area were approximately 104 feet in length, 10 to 54 feet in width, and 1.5 to 5 feet in depth. During the course of remediation activities, Etech transported approximately 440 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 420 cubic yards 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 3, "Sample Location Map". 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.

5.0 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Requesting a reclamation approval with this submission?	<input type="checkbox"/> Yes <input checked="" 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?	0
What was the total volume (in cubic yards) reclaimed?	0

On June 13, 2024, a 5-point composite soil sample (Stockpile) was collected from the imported material stockpiled on-site to be utilized as backfill. The soil sample was submitted to the laboratory for analysis of BTEX, TPH, and chloride concentrations. Laboratory analytical results indicated that the BTEX, TPH, and chloride concentrations in the soil sample were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards and confirmed that the material was acceptable for use as backfill.

From June 18 through June 20, 2024, upon receiving laboratory analytical results from confirmation soil samples, the excavated area was backfilled with the stockpiled material (characterized by soil sample Stockpile) emplaced at or near original relative positions. The affected areas were contoured and/or compacted to achieve erosion control, stability and preservation of surface water flow to the extent practicable.

The release was limited to the production pad of an active tank battery and did not impact the adjacent pasture. Final reclamation and revegetation will be conducted upon decommissioning and abandonment of the location. The reclaimed area will be revegetated with an agency and/or landowner-approved seed mix during the first favorable growing season following closure of the facility. 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.

6.0 DEFERRAL REQUEST

Requesting a deferral of remediation closure due date with the approval of this submission?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Requesting a remediation closure approval with this submission?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Have the lateral and vertical extents of contamination been fully delineated?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
What is the remaining surface area (sq. ft.) that will still need to be remediated if a deferral is granted?	4,063	
What is the remaining volume (cy) that will still need to be remediated if a deferral is granted?	602	
Enter the facility ID (f#) on which the deferral should be granted:	fAPP2123046227	
Enter the API (30-) on which the deferral should be granted:	N/A	
Contamination does not cause an imminent risk to human health, the environmental or groundwater:	TRUE	

Remediation activities were conducted in accordance with applicable NMOCD regulatory guidelines. Impacted soil affected above the NMOCD Closure Criteria and NMOCD Reclamation Standards was excavated to the extent practicable and transported to an NMOCD-approved disposal facility. Laboratory analytical results from confirmation soil samples indicate that in-situ concentrations of BTEX and TPH are below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards. Remediation of chloride-impacted soil affected above the NMOCD Closure Criteria remaining in-situ in the Deferral Area will be completed upon decommissioning and abandonment of the facility, in accordance with Sections 19.15.29.12 and 19.15.29.13 NMAC.

7.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *Remediation Summary & Deferral 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.

8.0 DISTRIBUTION

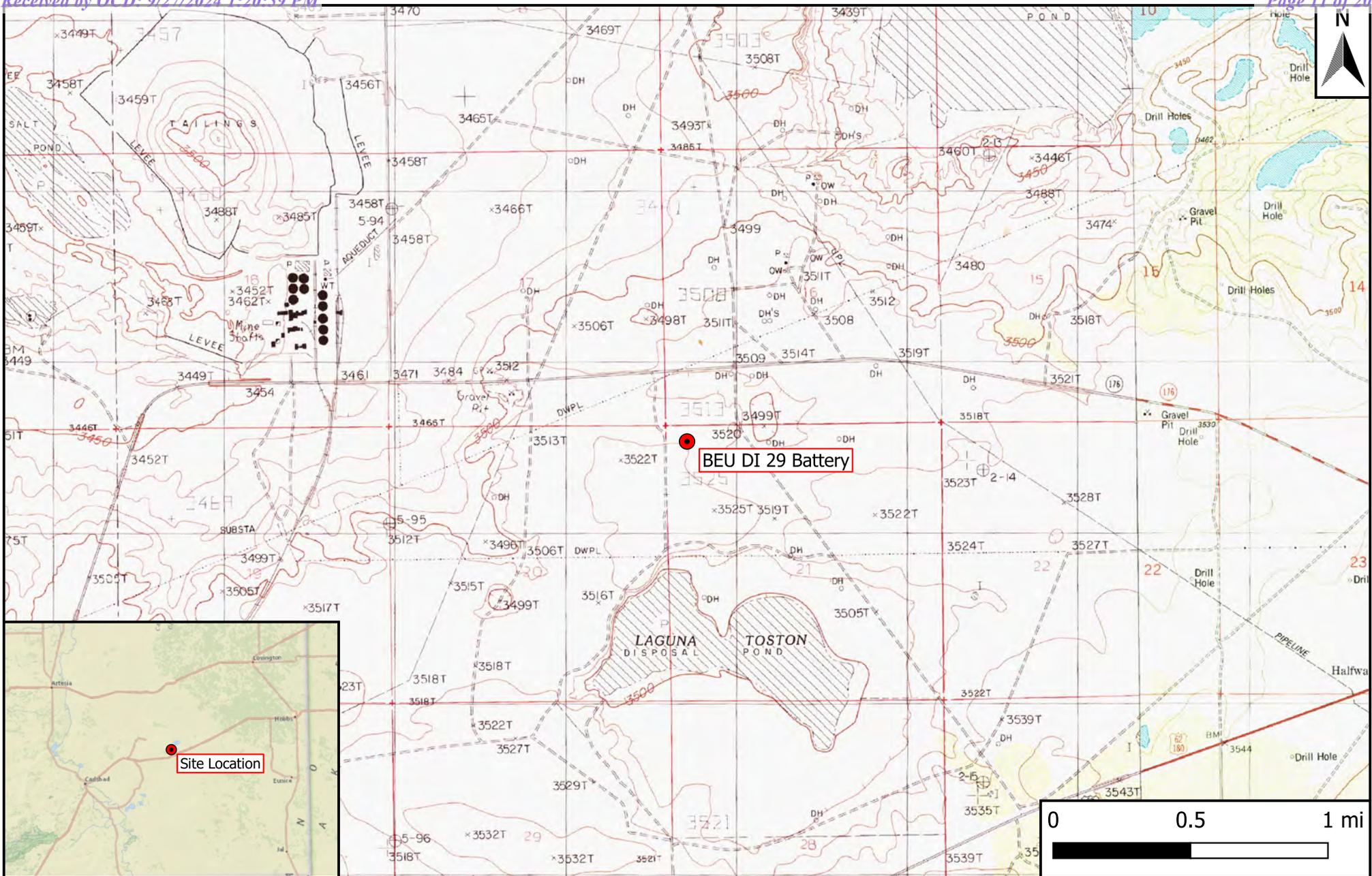
XTO Energy, Inc.
3104 E. Greene St.
Carlsbad, NM 88220

New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
1220 South St. Francis Drive
Santa Fe, NM 87505

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.
 BEU DI 29 Battery
 GPS: 32.565105, -103.778548
 Lea County, New Mexico



Figures 2A & 2B

Site Characterization Maps

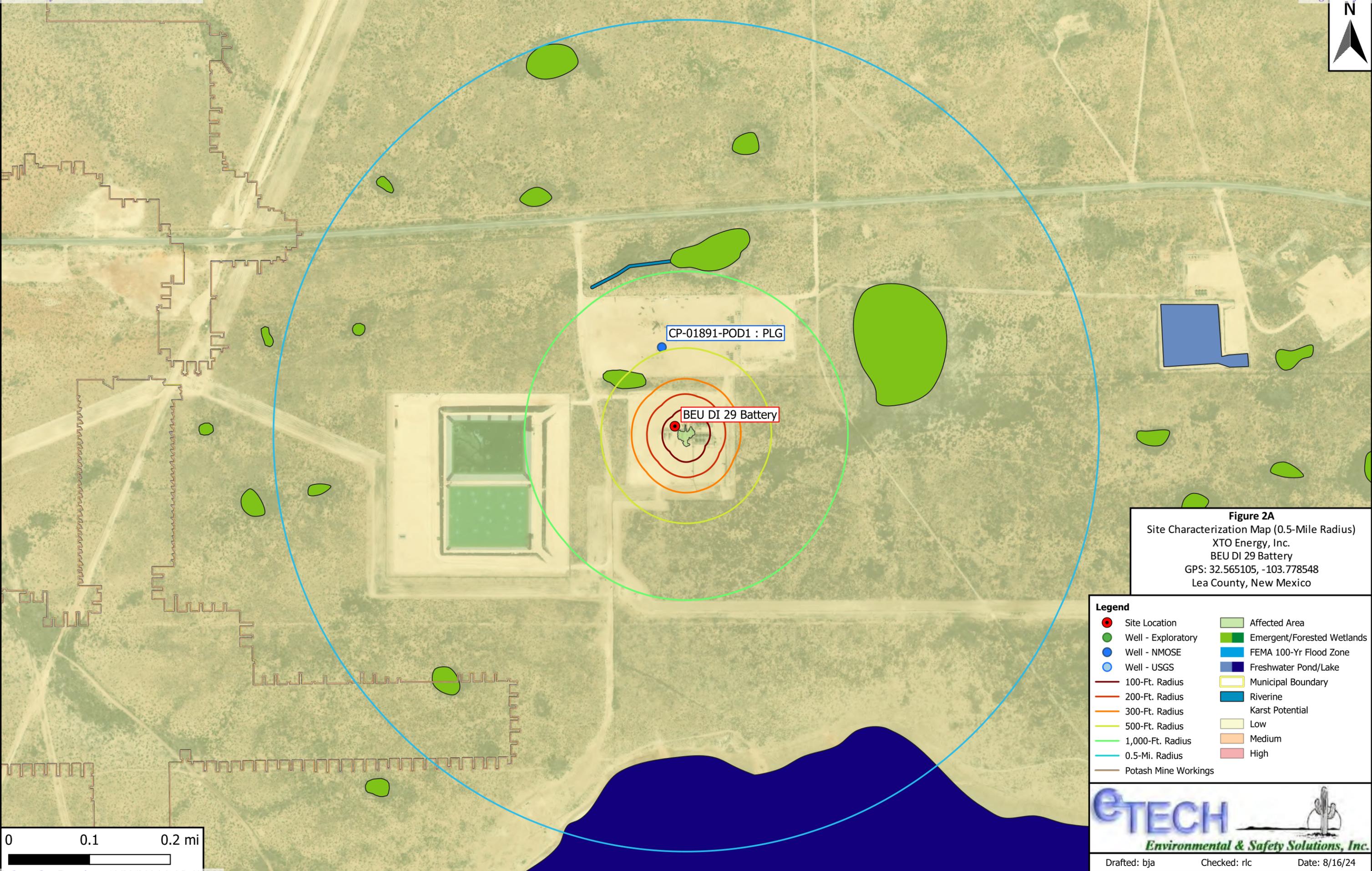
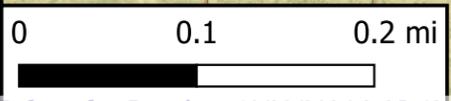


Figure 2A
 Site Characterization Map (0.5-Mile Radius)
 XTO Energy, Inc.
 BEU DI 29 Battery
 GPS: 32.565105, -103.778548
 Lea County, New Mexico

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
	Low Karst Potential
	Medium Karst Potential
	High Karst Potential



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 Environmental & Safety Solutions, Inc.

Drafted: bja Checked: rlc Date: 8/16/24

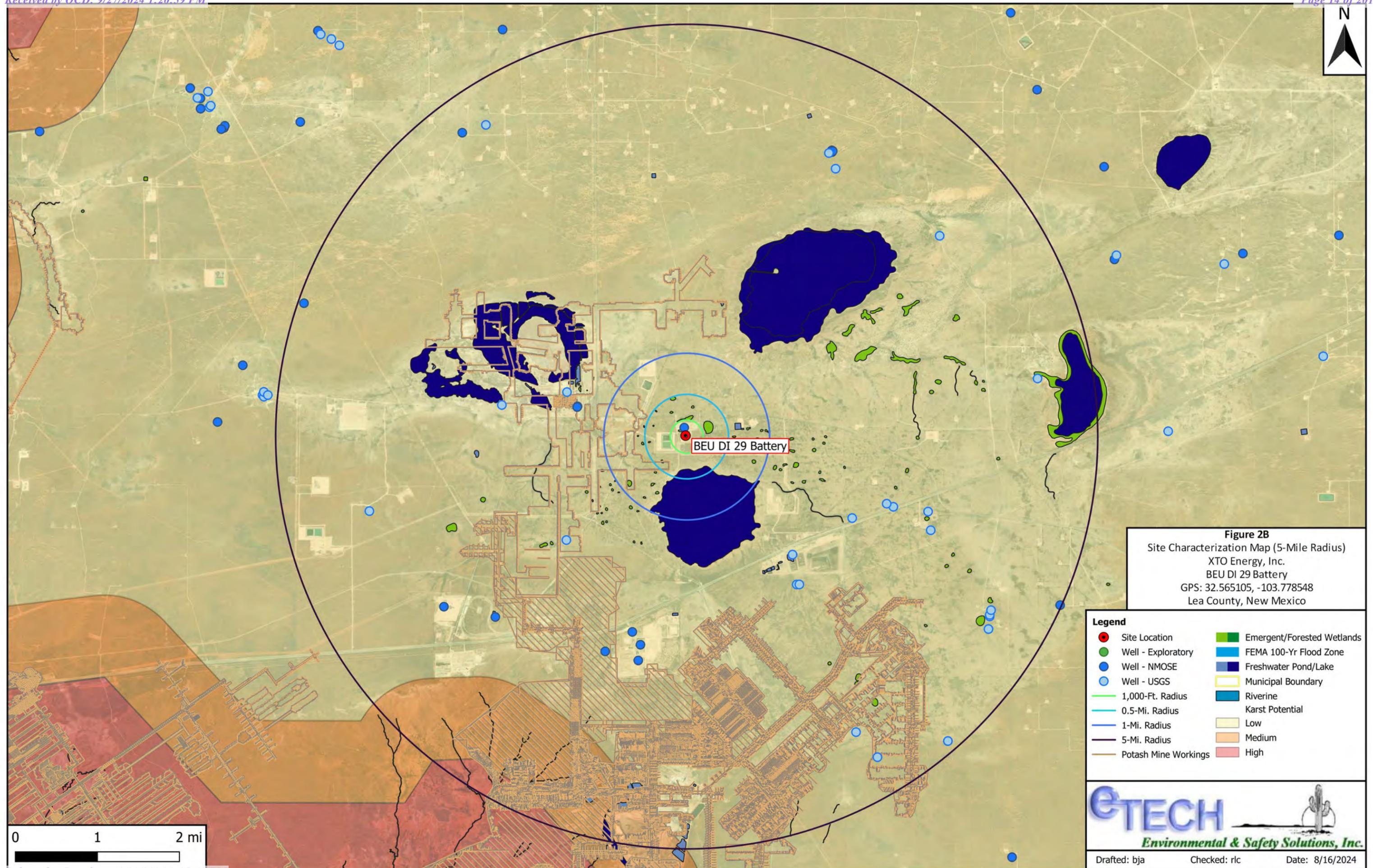


Figure 2B
 Site Characterization Map (5-Mile Radius)
 XTO Energy, Inc.
 BEU DI 29 Battery
 GPS: 32.565105, -103.778548
 Lea County, New Mexico

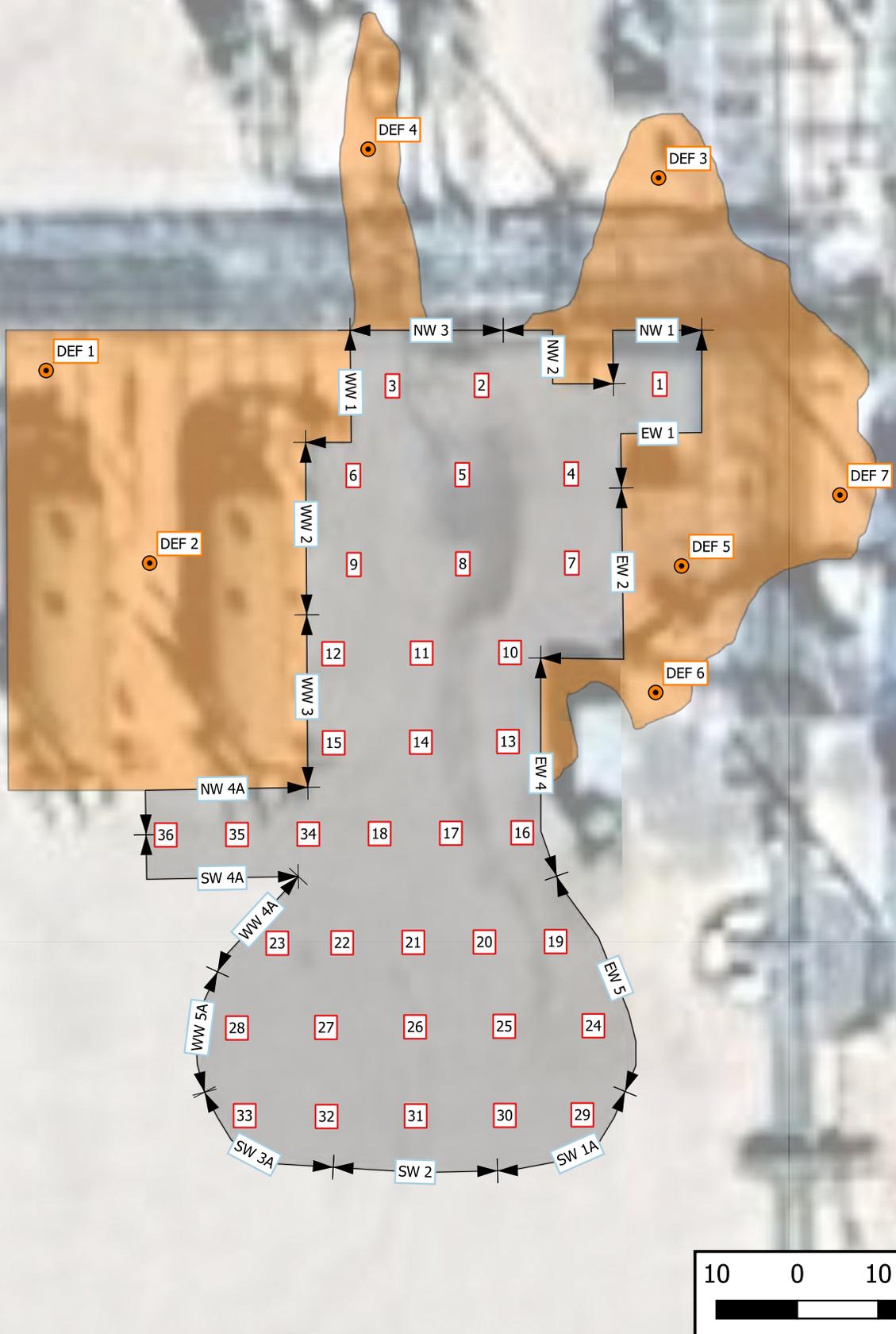
Legend

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

ETECH Environmental & Safety Solutions, Inc.

Drafted: bja Checked: rlc Date: 8/16/2024

Figure 3 Sample Location Map



- Legend**
- Excavation Extent (4,296 ft²)
 - Area to be Deferred (4,063 ft²)
 - Composite Floor Sample
 - Composite Wall Sample
 - Deferral Characterization Sample Location

Figure 3
 Sample Location Map
 XTO Energy, Inc.
 BEU DI 29 Battery
 GPS: 32.565105, -103.778548
 Lea County, New Mexico



Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1 Concentrations of BTEX, TPH & Chloride in Soil XTO Energy, Inc. BEU DI 29 Battery NMOCD Ref. #: nAPP2411738138											
NMOCD Closure Criteria				10	50	N/A	N/A	N/A	N/A	100	600
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)
Excavation Samples											
FL 1 @ 3'	6/10/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	480
FL 2 @ 3'	6/10/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FL 3 @ 4'	6/10/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	464
FL 4 @ 3'	6/11/2024	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	976
FL 4 @ 4'	6/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 5 @ 4'	6/11/2024	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,120
FL 5 @ 5'	6/14/2024	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 6 @ 3'	6/11/2024	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	832
FL 6 @ 4'	6/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 7 @ 3'	6/11/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
FL 8 @ 3'	6/11/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL 9 @ 3'	6/11/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 10 @ 3'	6/11/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 11 @ 3'	6/11/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	592
FL 12 @ 3'	6/11/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 13 @ 3'	6/11/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
FL 14 @ 3'	6/11/2024	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,070
FL 14 @ 4'	6/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 15 @ 3'	6/11/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
FL 16 @ 3'	6/11/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 17 @ 3'	6/11/2024	3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	624
FL 17 @ 4'	6/14/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 18 @ 3'	6/11/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
FL 19 @ 1.5'	6/12/2024	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
FL 20 @ 1.5'	6/12/2024	1.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	688
FL 20 @ 3'	6/14/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 21 @ 1.5'	6/12/2024	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	432
FL 22 @ 1.5'	6/12/2024	1.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,470
FL 22 @ 3'	6/14/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 23 @ 1.5'	6/12/2024	1.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	768
FL 23 @ 3'	6/14/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 24 @ 1.5'	6/12/2024	1.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	800
FL 24 @ 3'	6/14/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 25 @ 1.5'	6/12/2024	1.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	880
FL 25 @ 3'	6/14/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 26 @ 1.5'	6/12/2024	1.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	720
FL 26 @ 3'	6/14/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 27 @ 1.5'	6/12/2024	1.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	720
FL 27 @ 3'	6/14/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 28 @ 1.5'	6/12/2024	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	592
FL 29 @ 1.5'	6/12/2024	1.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	640
FL 29 @ 3'	6/14/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 30 @ 1.5'	6/12/2024	1.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	848

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. BEU DI 29 Battery NMOCD Ref. #: nAPP2411738138											
NMOCD Closure Criteria				10	50	N/A	N/A	N/A	N/A	100	600
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)
FL 30 @ 3'	6/14/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 31 @ 1.5'	6/12/2024	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
FL 32 @ 1.5'	6/12/2024	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416
FL 33 @ 1.5'	6/12/2024	1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	464
FL 34 @ 2'	6/12/2024	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	800
FL 34 @ 3'	6/14/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 35 @ 2'	6/12/2024	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	640
FL 35 @ 3'	6/14/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 36 @ 2'	6/12/2024	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	624
FL 36 @ 3'	6/14/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
NW 1	6/10/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
NW 2	6/10/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
NW 3	6/11/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
NW 4	6/12/2024	0-3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	720
NW 4A	6/14/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
EW 1	6/10/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448
EW 2	6/10/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
EW 4	6/11/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
EW 5	6/12/2024	0-1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	496
SW 1	6/12/2024	0-3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	608
SW 1A	6/14/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SW 2	6/12/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	528
SW 3	6/12/2024	0-1.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	624
SW 3A	6/14/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW 4	6/12/2024	0-3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	672
SW 4A	6/14/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
WW 1	6/11/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
WW 2	6/10/2024	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
WW 3	6/11/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
WW 4	6/12/2024	0-4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	608
WW 4A	6/14/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
WW 5	6/12/2024	0-1.5	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	800
WW 5A	6/14/2024	0-1.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
Deferral Characterization Samples											
DEF 1 @ Surf	6/12/2024	0	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	14,400
DEF 1 @ 1'	6/12/2024	1	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,520
DEF 1 @ 2'	6/12/2024	2	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,140
DEF 1 @ 4'	6/18/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	352
DEF 2 @ Surf	6/12/2024	0	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	15,000
DEF 2 @ 1'	6/12/2024	1	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	12,000
DEF 2 @ 2'	6/12/2024	2	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,000
DEF 2 @ 3'	6/12/2024	3	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,070
DEF 2 @ 4'	6/18/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
DEF 3 @ Surf	6/13/2024	0	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	21,800

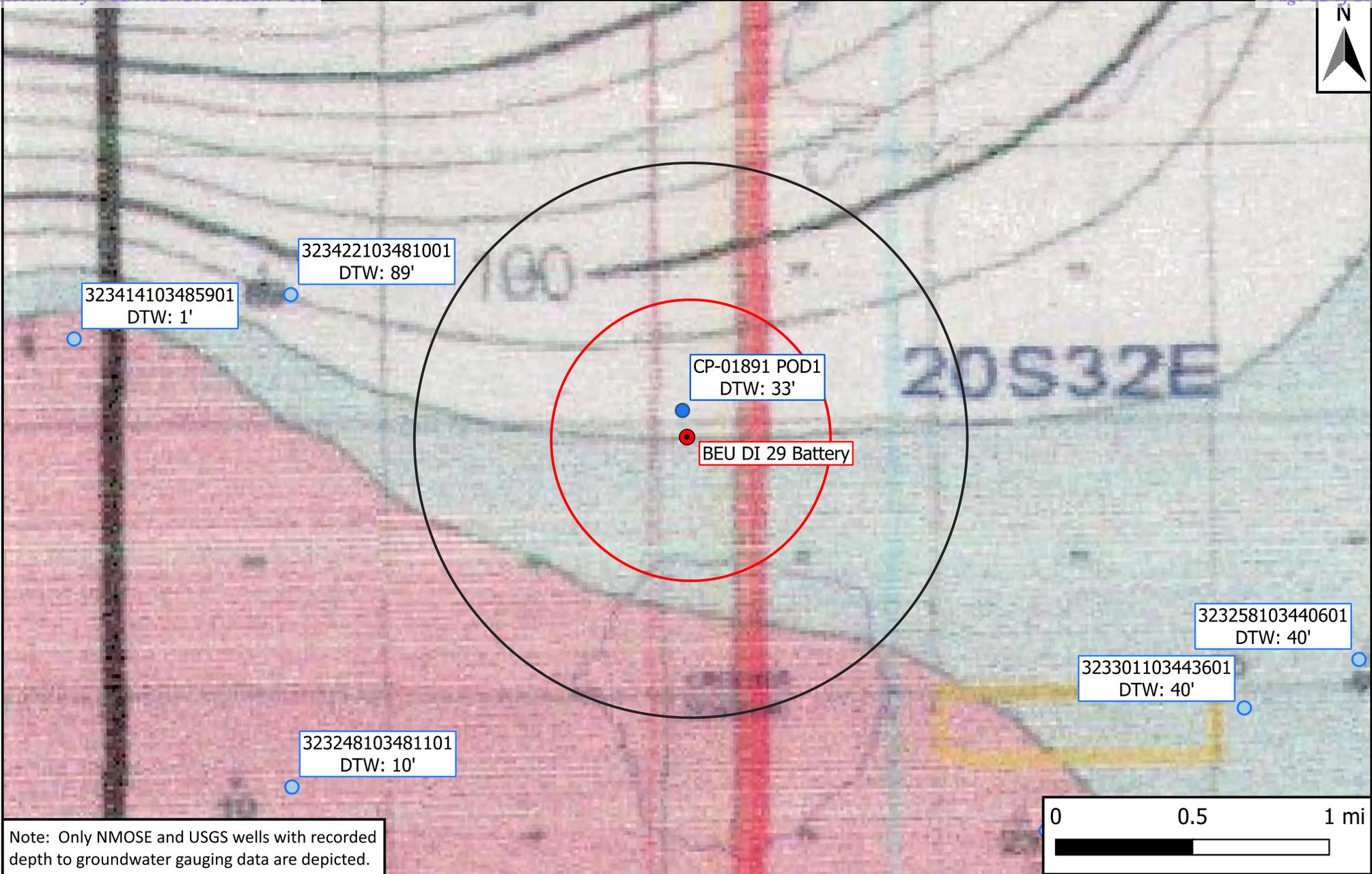
Dash (-): Sample not analyzed for that constituent.
 Bold: NMOCD Closure Criteria exceedance.
 Red: NMOCD Reclamation Standard exceedance.
 Red Border with Shading: Highest observed concentration.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil XTO Energy, Inc. BEU DI 29 Battery NMOCD Ref. #: nAPP2411738138											
NMOCD Closure Criteria				10	50	N/A	N/A	N/A	N/A	100	600
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)
DEF 3 @ 1'	6/13/2024	1	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,720
DEF 3 @ 2'	6/13/2024	2	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,360
DEF 3 @ 3'	6/13/2024	3	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,040
DEF 3 @ 4'	6/18/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	384
DEF 4 @ Surf	6/13/2024	0	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	26,800
DEF 4 @ 1'	6/13/2024	1	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,120
DEF 4 @ 2'	6/13/2024	2	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,760
DEF 4 @ 3'	6/13/2024	3	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	976
DEF 4 @ 4'	6/20/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
DEF 5 @ Surf	6/13/2024	0	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,400
DEF 5 @ 1'	6/13/2024	1	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,280
DEF 5 @ 2'	6/13/2024	2	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,440
DEF 5 @ 3'	6/13/2024	3	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	928
DEF 5 @ 4'	6/20/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
DEF 6 @ Surf	6/13/2024	0	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,880
DEF 6 @ 1'	6/13/2024	1	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,360
DEF 6 @ 2'	6/13/2024	2	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	928
DEF 6 @ 3'	6/13/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
DEF 7 @ Surf	6/13/2024	0	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,800
DEF 7 @ 1'	6/13/2024	1	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,000
DEF 7 @ 2'	6/13/2024	2	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,920
DEF 7 @ 3'	6/13/2024	3	Deferral	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	880
DEF 7 @ 4'	6/20/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
Backfill Sample											
Stockpile	6/13/2024	0	Backfill	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0

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



Note: Only NMOSE and USGS wells with recorded depth to groundwater gauging data are depicted.



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.
 BEU DI 29 Battery
 GPS: 32.565105, -103.778548
 Lea County, New Mexico



Drafted: bja
Checked: rlc
Date: 8/30/24



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

POD Number	Code	Sub-basin	County	Q	Q	Q	Sec	Tws	Rng	X	Y	Distance	WellDepth	Average Depth to Water	Water Column
CP.01891.POD1	CP	LE	3 3 3	16	20S	32E	614636	3603890				159	55	33	22
													Average Depth to Water:	33 feet	
													Minimum Depth:	33 feet	
													Maximum Depth:	33 feet	

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 614663.13 **Northing (Y):** 3603734 **Radius:** 1610

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.

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WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	CP 01891 POD1	3	3	3	16	20S	32E	614636	3603890

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

Driller Name: ATKINS, JACKIE D.UELENER

Drill Start Date: 10/26/2021 **Drill Finish Date:** 10/26/2021 **Plug Date:** 11/01/2021

Log File Date: 11/29/2021 **PCW Rev Date:** **Source:** Shallow

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

Casing Size: **Depth Well:** 55 feet **Depth Water:** 33 feet

Water Bearing Stratifications:	Top	Bottom	Description
	26	36	Sandstone/Gravel/Conglomerate
	36	49	Sandstone/Gravel/Conglomerate
	49	55	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	0	55

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.

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POINT OF DIVERSION SUMMARY



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Groundwater

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Groundwater levels for the Nation

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Search Results -- 1 sites found

Agency code = usgs

site_no list =
• 323422103481001

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 323422103481001 20S.32E.18.233

Lea County, New Mexico
Latitude 32°34'22", Longitude 103°48'10" NAD27
Land-surface elevation 3,462 feet above NAVD88
The depth of the well is 400 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

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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
1954-03-24		D	72019	89.20			1	Z			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
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.

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Groundwater levels for the Nation

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Agency code = usgs
site_no list =
 • 323301103443601

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

USGS 323301103443601 20S.32E.23.33132

Lea County, New Mexico
 Latitude 32°33'01", Longitude 103°44'36" NAD27
 Land-surface elevation 3,542 feet above NAVD88
 This well is completed in the Other aquifers (N9999OTHER) national aquifer.
 This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) 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
1976-02-25		D	72019	39.14			1	Z			A
1981-02-19		D	72019	39.83			1	Z			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
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.

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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: 2024-09-25 16:44:21 EDT

0.33 0.23 nadww01



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Groundwater levels for the Nation

Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 323248103481101

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

USGS 323248103481101 20S.32E.30.142

Lea County, New Mexico
Latitude 32°32'48", Longitude 103°48'11" NAD27
Land-surface elevation 3,512 feet above NAVD88
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) 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
1954-06-11		D	72019	9.94			1	Z			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
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.

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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: 2024-09-25 16:41:55 EDT

0.37 0.24 nadww02

Appendix B

Field Data



Sample Log

Date: _____

Project: BEU DI 29 Battery

Project Number: 20255 Latitude: 32.565105 Longitude: -103.778548

Sample ID	PID/Odor	Chloride Conc.	GPS
FL1@1	—	2,584	
FL1@2	—	1368	
FL1@3	—	316	
EW1	—	316	
FL2@3	—	192	
FL3@3	✓	1464	
FL3@4	—	252	
NW1	—	192	
NW2	—	316	
FW2	—	352	
WW2	—	316	
FL4@2	—	1276	
FL5@2	—	816	
FL6@2	—	816	
FL4@3	—	436	
FL5@3	—	884	
FL6@3	—	352	
FL5@4	—	580	
FL7@3	—	316	
FL8@3	—	124	
FL9@3	—	168	
FL10@3	—	124	
NW3	—	220	
WW1	—	192	
FL11@3	—	480	
FL12@3	—	124	
FL13@3	✓	192	
FL14@3	—	392	
WW3	—	284	
FW4	—	192	
FL15@3	—	352	
FL16@3	—	168	
FL17@3	—	168	
FL18@3	—	124	
FW5	✓	220	
SW1	✓	192	

Sample Point = SP #1 @ ## etc

Test Trench = TT #1 @ ##

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

Floor = FL #1 etc

Refusal = SP #1 @ 4'-R

Stockpile = Stockpile #1

Sidewall = SW #1 etc

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

GPS Sample Points, Center of Comp Areas



1st
18d

Soil Profile

Date: _____

Project: _____

Project Number: _____ Latitude: _____ Longitude: _____

Depth (ft. bgs)		Description
1	FL 19	168
2	FL 20	174
3	FL 21	124
4	FL 22	252
5	FL 23	284
6	SV 2	252
7	SW 3	192
8	WW 4	192
9	FL 24	392
10	FL 25	284
11	FL 26	252
12	FL 27	192
13	FL 28	352
14	FL 29	252
15	FL 30	284
16	FL 31	252
17	FL 32	252
18	FL 33	192
19	FL 34	352
20	FL 35	518
21	FL 36	168
22	NW 4	252
23	WWS	284
24	SW 4	252
25	Def 1 @ surface	2584
26	Def 1 1'	2392
27	Def 1 @ 2'	528
28	Def 2 @ surface	2584
29	Def 2 1'	2584
30	Def 2 2'	2524
31	Def 2 3'	528
32	Def 3 @ surface	2584
33	Def 3 1'	2584
34	Def 3 2'	1800
35	Def 3 3'	528
36	Def 4 @ surface	2584
37	Def 4 1'	2584
38	Def 4 2'	1908
39	Def 4 3'	580
40		



Sample Log

Date: _____

Project: _____

Project Number: _____ Latitude: _____ Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
Def 5 @ Surface		2392	
Def 5 @ 1'		2392	
Def 5 @ 2'		1368	
Def 5 @ 3'		284	
Def 6 @ Surface		2584	
Def 6 @ 1'		2584	
Def 6 @ 2'		1800	
Def 6 @ 3'		352	
Def 7 @ Surface		2584	
Def 7 @ 1'		2594	
Def 7 @ 2'		1800	
Def 7 @ 3'		316	
Def 1 @ 3'		1188	
Def 2 @ 4'		316	
Def 3 @ 4'		284	
Def 1 @ 4'		352	
FL 4 @ 4'		124	
FL 5 @ 5'		284	
FL 6 @ 4'		124	
FL 14 @ 4'		316	
FL 17 @ 4'		168	
FL 20 @ 3'		168	
FL 22 @ 3'		316	
FL 23 @ 3'		220	
FL 24 @ 3'		252	
FL 25 @ 3'		168	
FL 26 @ 3'		192	
FL 27 @ 3'		220	
FL 29 @ 3'		192	
FL 30 @ 3'		168	
FL 34 @ 3'		192	
FL 35 @ 3'		316	
FL 36 @ 5'		220	
Def 4 @ 4'		144	
Def 5 @ 4'		284	
Def 2 @ 4'		220	

Sample Point = SP #1 @ ## etc

Test Trench = TT #1 @ ##

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

Floor = FL #1 etc

Refusal = SP #1 @ 4'-R

Stockpile = Stockpile #1

Sidewall = SW #1 etc

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

GPS Sample Points, Center of Comp Areas

Appendix C

Photographic Log

Photographic Log

Photo Number: 1	 <p>Apr 9, 2024 at 1:09:24 PM +32.564725, -103.778315 345° N Hobbs NM 88240 United States</p>
Photo Direction: North-Northwest	
Photo Description: View of the affected area.	

Photo Number: 2	 <p>Apr 9, 2024 at 1:09:43 PM +32.564805, -103.778394 356° N Hobbs NM 88240 United States</p>
Photo Direction: North	
Photo Description: View of the affected area.	

Photographic Log

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

Photo Number: 4	
Photo Direction: South-Southwest	
Photo Description: View of the affected area.	

Photographic Log

Photo Number: 5	
Photo Direction: East	
Photo Description: View of the affected area.	

Photo Number: 6	
Photo Direction: North	
Photo Description: View of the affected area.	

Photographic Log

Photo Number: 7	 <p>Jun 13, 2024 at 9:30:02 AM +32.564783, -103.778257 Hobbs NM 88240 United States</p>
Photo Direction: Northwest	
Photo Description: View of the excavated area.	

Photo Number: 8	 <p>Jun 13, 2024 at 9:31:08 AM +32.564958, -103.778176 Hobbs NM 88240 United States</p>
Photo Direction: South-Southwest	
Photo Description: View of the excavated area.	

Photographic Log

Photo Number: 9	
Photo Direction: West	
Photo Description: View of the remediated area during backfilling.	

Photo Number: 10	
Photo Direction: West-Northwest	
Photo Description: View of the remediated area following backfilling and regrading.	

Photographic Log

Photo Number: 11	 <p>20Jun24 13:54 Ad-hoc Hobbs NM 88240, United States © 20-Jun-24 13:54:22</p>
Photo Direction: North-Northwest	
Photo Description: View of the remediated area following backfilling and regrading.	

Photo Number: 12	 <p>20Jun24 13:54 Ad-hoc Hobbs NM 88240, United States © 20-Jun-24 13:54:26</p>
Photo Direction: North	
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 11, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BEU DI 29 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/10/24 14:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

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:	06/10/2024	Sampling Date:	06/10/2024
Reported:	06/11/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 1@3' (H243302-01)

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	06/10/2024	ND	1.76	88.0	2.00	0.0592	
Toluene*	<0.050	0.050	06/10/2024	ND	1.74	87.2	2.00	0.404	
Ethylbenzene*	<0.050	0.050	06/10/2024	ND	1.77	88.4	2.00	0.515	
Total Xylenes*	<0.150	0.150	06/10/2024	ND	5.12	85.4	6.00	0.691	
Total BTEX	<0.300	0.300	06/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	06/11/2024	ND	384	96.0	400	4.08	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2024	ND	190	94.9	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/10/2024	ND	182	91.1	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	06/10/2024	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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:	06/10/2024	Sampling Date:	06/10/2024
Reported:	06/11/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 2@3' (H243302-02)

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	06/10/2024	ND	1.76	88.0	2.00	0.0592	
Toluene*	<0.050	0.050	06/10/2024	ND	1.74	87.2	2.00	0.404	
Ethylbenzene*	<0.050	0.050	06/10/2024	ND	1.77	88.4	2.00	0.515	
Total Xylenes*	<0.150	0.150	06/10/2024	ND	5.12	85.4	6.00	0.691	
Total BTEX	<0.300	0.300	06/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 86.5 % 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	272	16.0	06/11/2024	ND	384	96.0	400	4.08	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/10/2024	ND	190	94.9	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/10/2024	ND	182	91.1	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	06/10/2024	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/10/2024	Sampling Date:	06/10/2024
Reported:	06/11/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 3@4' (H243302-03)

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	06/10/2024	ND	1.76	88.0	2.00	0.0592	
Toluene*	<0.050	0.050	06/10/2024	ND	1.74	87.2	2.00	0.404	
Ethylbenzene*	<0.050	0.050	06/10/2024	ND	1.77	88.4	2.00	0.515	
Total Xylenes*	<0.150	0.150	06/10/2024	ND	5.12	85.4	6.00	0.691	
Total BTEX	<0.300	0.300	06/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	06/11/2024	ND	384	96.0	400	4.08	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2024	ND	190	94.9	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/11/2024	ND	182	91.1	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	06/11/2024	ND					

Surrogate: 1-Chlorooctane 76.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 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:	06/10/2024	Sampling Date:	06/10/2024
Reported:	06/11/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: NW 1 (H243302-04)

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	06/10/2024	ND	1.76	88.0	2.00	0.0592	
Toluene*	<0.050	0.050	06/10/2024	ND	1.74	87.2	2.00	0.404	
Ethylbenzene*	<0.050	0.050	06/10/2024	ND	1.77	88.4	2.00	0.515	
Total Xylenes*	<0.150	0.150	06/10/2024	ND	5.12	85.4	6.00	0.691	
Total BTEX	<0.300	0.300	06/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.5 % 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	384	16.0	06/11/2024	ND	384	96.0	400	4.08	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2024	ND	190	94.9	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/11/2024	ND	182	91.1	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	06/11/2024	ND					

Surrogate: 1-Chlorooctane 85.0 % 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:	06/10/2024	Sampling Date:	06/10/2024
Reported:	06/11/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: NW 2 (H243302-05)

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	06/10/2024	ND	1.76	88.0	2.00	0.0592	
Toluene*	<0.050	0.050	06/10/2024	ND	1.74	87.2	2.00	0.404	
Ethylbenzene*	<0.050	0.050	06/10/2024	ND	1.77	88.4	2.00	0.515	
Total Xylenes*	<0.150	0.150	06/10/2024	ND	5.12	85.4	6.00	0.691	
Total BTEX	<0.300	0.300	06/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.0 % 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	336	16.0	06/11/2024	ND	384	96.0	400	4.08	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2024	ND	190	94.9	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/11/2024	ND	182	91.1	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	06/11/2024	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 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:	06/10/2024	Sampling Date:	06/10/2024
Reported:	06/11/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: EW 1 (H243302-06)

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	06/10/2024	ND	1.76	88.0	2.00	0.0592	
Toluene*	<0.050	0.050	06/10/2024	ND	1.74	87.2	2.00	0.404	
Ethylbenzene*	<0.050	0.050	06/10/2024	ND	1.77	88.4	2.00	0.515	
Total Xylenes*	<0.150	0.150	06/10/2024	ND	5.12	85.4	6.00	0.691	
Total BTEX	<0.300	0.300	06/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.0 % 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	448	16.0	06/11/2024	ND	384	96.0	400	4.08	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2024	ND	190	94.9	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/11/2024	ND	182	91.1	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	06/11/2024	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/10/2024	Sampling Date:	06/10/2024
Reported:	06/11/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: EW 2 (H243302-07)

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	06/10/2024	ND	1.76	88.0	2.00	0.0592	
Toluene*	<0.050	0.050	06/10/2024	ND	1.74	87.2	2.00	0.404	
Ethylbenzene*	<0.050	0.050	06/10/2024	ND	1.77	88.4	2.00	0.515	
Total Xylenes*	<0.150	0.150	06/10/2024	ND	5.12	85.4	6.00	0.691	
Total BTEX	<0.300	0.300	06/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.4 % 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	272	16.0	06/11/2024	ND	384	96.0	400	4.08	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2024	ND	190	94.9	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/11/2024	ND	182	91.1	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	06/11/2024	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/10/2024	Sampling Date:	06/10/2024
Reported:	06/11/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: WW 2 (H243302-08)

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	06/10/2024	ND	1.76	88.0	2.00	0.0592	
Toluene*	<0.050	0.050	06/10/2024	ND	1.74	87.2	2.00	0.404	
Ethylbenzene*	<0.050	0.050	06/10/2024	ND	1.77	88.4	2.00	0.515	
Total Xylenes*	<0.150	0.150	06/10/2024	ND	5.12	85.4	6.00	0.691	
Total BTEX	<0.300	0.300	06/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.6 % 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	304	16.0	06/11/2024	ND	384	96.0	400	4.08	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/11/2024	ND	190	94.9	200	1.09	
DRO >C10-C28*	<10.0	10.0	06/11/2024	ND	182	91.1	200	1.98	
EXT DRO >C28-C36	<10.0	10.0	06/11/2024	ND					

Surrogate: 1-Chlorooctane 81.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-05 The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

June 13, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BEU DI 29 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/11/24 14:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

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:	06/11/2024	Sampling Date:	06/11/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 4 @ 3' (H243368-01)

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	06/12/2024	ND	2.27	114	2.00	6.04	
Toluene*	<0.050	0.050	06/12/2024	ND	2.20	110	2.00	6.72	
Ethylbenzene*	<0.050	0.050	06/12/2024	ND	2.13	107	2.00	6.23	
Total Xylenes*	<0.150	0.150	06/12/2024	ND	6.25	104	6.00	6.11	
Total BTEX	<0.300	0.300	06/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	976	16.0	06/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2024	ND	209	105	200	0.0775	
DRO >C10-C28*	<10.0	10.0	06/12/2024	ND	214	107	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	06/12/2024	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/11/2024	Sampling Date:	06/11/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 5 @ 4' (H243368-02)

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	06/12/2024	ND	2.27	114	2.00	6.04	
Toluene*	<0.050	0.050	06/12/2024	ND	2.20	110	2.00	6.72	
Ethylbenzene*	<0.050	0.050	06/12/2024	ND	2.13	107	2.00	6.23	
Total Xylenes*	<0.150	0.150	06/12/2024	ND	6.25	104	6.00	6.11	
Total BTEX	<0.300	0.300	06/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	1120	16.0	06/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2024	ND	209	105	200	0.0775	
DRO >C10-C28*	<10.0	10.0	06/12/2024	ND	214	107	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	06/12/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/11/2024	Sampling Date:	06/11/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 6 @ 3' (H243368-03)

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	06/12/2024	ND	2.27	114	2.00	6.04	
Toluene*	<0.050	0.050	06/12/2024	ND	2.20	110	2.00	6.72	
Ethylbenzene*	<0.050	0.050	06/12/2024	ND	2.13	107	2.00	6.23	
Total Xylenes*	<0.150	0.150	06/12/2024	ND	6.25	104	6.00	6.11	
Total BTEX	<0.300	0.300	06/12/2024	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	832	16.0	06/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2024	ND	209	105	200	0.0775	
DRO >C10-C28*	<10.0	10.0	06/12/2024	ND	214	107	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	06/12/2024	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/11/2024	Sampling Date:	06/11/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 7 @ 3' (H243368-04)

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	06/12/2024	ND	2.27	114	2.00	6.04	
Toluene*	<0.050	0.050	06/12/2024	ND	2.20	110	2.00	6.72	
Ethylbenzene*	<0.050	0.050	06/12/2024	ND	2.13	107	2.00	6.23	
Total Xylenes*	<0.150	0.150	06/12/2024	ND	6.25	104	6.00	6.11	
Total BTEX	<0.300	0.300	06/12/2024	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	384	16.0	06/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2024	ND	209	105	200	0.0775	
DRO >C10-C28*	<10.0	10.0	06/12/2024	ND	214	107	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	06/12/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/11/2024	Sampling Date:	06/11/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 8 @ 3' (H243368-05)

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	06/12/2024	ND	2.27	114	2.00	6.04	
Toluene*	<0.050	0.050	06/12/2024	ND	2.20	110	2.00	6.72	
Ethylbenzene*	<0.050	0.050	06/12/2024	ND	2.13	107	2.00	6.23	
Total Xylenes*	<0.150	0.150	06/12/2024	ND	6.25	104	6.00	6.11	
Total BTEX	<0.300	0.300	06/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	208	16.0	06/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2024	ND	209	105	200	0.0775	
DRO >C10-C28*	<10.0	10.0	06/12/2024	ND	214	107	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	06/12/2024	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 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:	06/11/2024	Sampling Date:	06/11/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 9 @ 3' (H243368-06)

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	06/12/2024	ND	2.27	114	2.00	6.04	
Toluene*	<0.050	0.050	06/12/2024	ND	2.20	110	2.00	6.72	
Ethylbenzene*	<0.050	0.050	06/12/2024	ND	2.13	107	2.00	6.23	
Total Xylenes*	<0.150	0.150	06/12/2024	ND	6.25	104	6.00	6.11	
Total BTEX	<0.300	0.300	06/12/2024	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	06/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2024	ND	209	105	200	0.0775	
DRO >C10-C28*	<10.0	10.0	06/12/2024	ND	214	107	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	06/12/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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:	06/11/2024	Sampling Date:	06/11/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 10 @ 3' (H243368-07)

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	06/12/2024	ND	2.27	114	2.00	6.04	
Toluene*	<0.050	0.050	06/12/2024	ND	2.20	110	2.00	6.72	
Ethylbenzene*	<0.050	0.050	06/12/2024	ND	2.13	107	2.00	6.23	
Total Xylenes*	<0.150	0.150	06/12/2024	ND	6.25	104	6.00	6.11	
Total BTEX	<0.300	0.300	06/12/2024	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	160	16.0	06/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2024	ND	209	105	200	0.0775	
DRO >C10-C28*	<10.0	10.0	06/12/2024	ND	214	107	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	06/12/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/11/2024	Sampling Date:	06/11/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 11 @ 3' (H243368-08)

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	06/12/2024	ND	2.27	114	2.00	6.04	
Toluene*	<0.050	0.050	06/12/2024	ND	2.20	110	2.00	6.72	
Ethylbenzene*	<0.050	0.050	06/12/2024	ND	2.13	107	2.00	6.23	
Total Xylenes*	<0.150	0.150	06/12/2024	ND	6.25	104	6.00	6.11	
Total BTEX	<0.300	0.300	06/12/2024	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	592	16.0	06/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2024	ND	209	105	200	0.0775	
DRO >C10-C28*	<10.0	10.0	06/12/2024	ND	214	107	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	06/12/2024	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
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 Fax To:

Received:	06/11/2024	Sampling Date:	06/11/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 12 @ 3' (H243368-09)

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	06/12/2024	ND	2.27	114	2.00	6.04	
Toluene*	<0.050	0.050	06/12/2024	ND	2.20	110	2.00	6.72	
Ethylbenzene*	<0.050	0.050	06/12/2024	ND	2.13	107	2.00	6.23	
Total Xylenes*	<0.150	0.150	06/12/2024	ND	6.25	104	6.00	6.11	
Total BTEX	<0.300	0.300	06/12/2024	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	176	16.0	06/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2024	ND	209	105	200	0.0775	
DRO >C10-C28*	<10.0	10.0	06/12/2024	ND	214	107	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	06/12/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

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Received:	06/11/2024	Sampling Date:	06/11/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 13 @ 3' (H243368-10)

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	06/12/2024	ND	2.27	114	2.00	6.04	
Toluene*	<0.050	0.050	06/12/2024	ND	2.20	110	2.00	6.72	
Ethylbenzene*	<0.050	0.050	06/12/2024	ND	2.13	107	2.00	6.23	
Total Xylenes*	<0.150	0.150	06/12/2024	ND	6.25	104	6.00	6.11	
Total BTEX	<0.300	0.300	06/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	352	16.0	06/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2024	ND	209	105	200	0.0775	
DRO >C10-C28*	<10.0	10.0	06/12/2024	ND	214	107	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	06/12/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.0 % 49.1-148

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Analytical Results For:

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 HOBBS NM, 88240
 Fax To:

Received:	06/11/2024	Sampling Date:	06/11/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 14 @ 3' (H243368-11)

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	06/13/2024	ND	2.27	114	2.00	6.04	
Toluene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	6.72	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.13	107	2.00	6.23	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.25	104	6.00	6.11	
Total BTEX	<0.300	0.300	06/13/2024	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	1070	16.0	06/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2024	ND	209	105	200	0.0775	
DRO >C10-C28*	<10.0	10.0	06/12/2024	ND	214	107	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	06/12/2024	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 49.1-148

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Analytical Results For:

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 HOBBS NM, 88240
 Fax To:

Received:	06/11/2024	Sampling Date:	06/11/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 15 @ 3' (H243368-12)

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	06/13/2024	ND	2.27	114	2.00	6.04	
Toluene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	6.72	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.13	107	2.00	6.23	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.25	104	6.00	6.11	
Total BTEX	<0.300	0.300	06/13/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	06/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2024	ND	209	105	200	0.0775	
DRO >C10-C28*	<10.0	10.0	06/12/2024	ND	214	107	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	06/12/2024	ND					

Surrogate: 1-Chlorooctane 99.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Analytical Results For:

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 HOBBS NM, 88240
 Fax To:

Received:	06/11/2024	Sampling Date:	06/11/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 16 @ 3' (H243368-13)

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	06/13/2024	ND	2.27	114	2.00	6.04	
Toluene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	6.72	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.13	107	2.00	6.23	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.25	104	6.00	6.11	
Total BTEX	<0.300	0.300	06/13/2024	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	06/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2024	ND	209	105	200	0.0775	
DRO >C10-C28*	<10.0	10.0	06/12/2024	ND	214	107	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	06/12/2024	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/11/2024	Sampling Date:	06/11/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 17 @ 3' (H243368-14)

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	06/13/2024	ND	2.27	114	2.00	6.04	
Toluene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	6.72	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.13	107	2.00	6.23	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.25	104	6.00	6.11	
Total BTEX	<0.300	0.300	06/13/2024	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	624	16.0	06/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2024	ND	209	105	200	0.0775	
DRO >C10-C28*	<10.0	10.0	06/12/2024	ND	214	107	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	06/12/2024	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.1 % 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:	06/11/2024	Sampling Date:	06/11/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 18 @ 3' (H243368-15)

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	06/13/2024	ND	2.27	114	2.00	6.04	
Toluene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	6.72	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.13	107	2.00	6.23	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.25	104	6.00	6.11	
Total BTEX	<0.300	0.300	06/13/2024	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	368	16.0	06/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2024	ND	209	105	200	0.0775	
DRO >C10-C28*	<10.0	10.0	06/12/2024	ND	214	107	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	06/12/2024	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/11/2024	Sampling Date:	06/11/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: WW 1 (H243368-16)

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	06/12/2024	ND	2.07	103	2.00	5.14	
Toluene*	<0.050	0.050	06/12/2024	ND	1.96	97.9	2.00	6.34	
Ethylbenzene*	<0.050	0.050	06/12/2024	ND	1.95	97.3	2.00	6.35	
Total Xylenes*	<0.150	0.150	06/12/2024	ND	5.78	96.3	6.00	5.81	
Total BTEX	<0.300	0.300	06/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	176	16.0	06/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2024	ND	209	105	200	0.0775	
DRO >C10-C28*	<10.0	10.0	06/12/2024	ND	214	107	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	06/12/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/11/2024	Sampling Date:	06/11/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: WW 3 (H243368-17)

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	06/12/2024	ND	2.07	103	2.00	5.14	
Toluene*	<0.050	0.050	06/12/2024	ND	1.96	97.9	2.00	6.34	
Ethylbenzene*	<0.050	0.050	06/12/2024	ND	1.95	97.3	2.00	6.35	
Total Xylenes*	<0.150	0.150	06/12/2024	ND	5.78	96.3	6.00	5.81	
Total BTEX	<0.300	0.300	06/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	368	16.0	06/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2024	ND	209	105	200	0.0775	
DRO >C10-C28*	<10.0	10.0	06/12/2024	ND	214	107	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	06/12/2024	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 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:	06/11/2024	Sampling Date:	06/11/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: NW 3 (H243368-18)

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	06/12/2024	ND	2.07	103	2.00	5.14	
Toluene*	<0.050	0.050	06/12/2024	ND	1.96	97.9	2.00	6.34	
Ethylbenzene*	<0.050	0.050	06/12/2024	ND	1.95	97.3	2.00	6.35	
Total Xylenes*	<0.150	0.150	06/12/2024	ND	5.78	96.3	6.00	5.81	
Total BTEX	<0.300	0.300	06/12/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	06/12/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2024	ND	209	105	200	0.0775	
DRO >C10-C28*	<10.0	10.0	06/12/2024	ND	214	107	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	06/12/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/11/2024	Sampling Date:	06/11/2024
Reported:	06/13/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: EW 4 (H243368-19)

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	06/12/2024	ND	2.07	103	2.00	5.14	
Toluene*	<0.050	0.050	06/12/2024	ND	1.96	97.9	2.00	6.34	
Ethylbenzene*	<0.050	0.050	06/12/2024	ND	1.95	97.3	2.00	6.35	
Total Xylenes*	<0.150	0.150	06/12/2024	ND	5.78	96.3	6.00	5.81	
Total BTEX	<0.300	0.300	06/12/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	06/12/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/12/2024	ND	209	105	200	0.0775	
DRO >C10-C28*	<10.0	10.0	06/12/2024	ND	214	107	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	06/12/2024	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCS/D recovery and/or RPD values.
- 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

June 14, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BEU DI 29 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/12/24 14:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

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:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 19 @ 1.5' (H243413-01)

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	06/13/2024	ND	2.08	104	2.00	7.25	
Toluene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	5.89	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.18	109	2.00	5.19	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.69	112	6.00	4.64	
Total BTEX	<0.300	0.300	06/13/2024	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	384	16.0	06/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2024	ND	199	99.3	200	5.26	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	186	93.1	200	0.296	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 61.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.3 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 20 @ 1.5' (H243413-02)

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	06/13/2024	ND	2.08	104	2.00	7.25	
Toluene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	5.89	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.18	109	2.00	5.19	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.69	112	6.00	4.64	
Total BTEX	<0.300	0.300	06/13/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	06/13/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2024	ND	199	99.3	200	5.26	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	186	93.1	200	0.296	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 82.1 % 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:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 21 @ 1.5' (H243413-03)

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	06/13/2024	ND	2.08	104	2.00	7.25	
Toluene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	5.89	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.18	109	2.00	5.19	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.69	112	6.00	4.64	
Total BTEX	<0.300	0.300	06/13/2024	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	432	16.0	06/14/2024	ND	448	112	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	06/13/2024	ND	199	99.3	200	5.26	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	186	93.1	200	0.296	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 73.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 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:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 22 @ 1.5' (H243413-04)

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	06/13/2024	ND	2.08	104	2.00	7.25	
Toluene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	5.89	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.18	109	2.00	5.19	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.69	112	6.00	4.64	
Total BTEX	<0.300	0.300	06/13/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1470	16.0	06/14/2024	ND	448	112	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	06/13/2024	ND	199	99.3	200	5.26	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	186	93.1	200	0.296	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 82.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 23 @ 1.5' (H243413-05)

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	06/13/2024	ND	2.08	104	2.00	7.25	
Toluene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	5.89	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.18	109	2.00	5.19	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.69	112	6.00	4.64	
Total BTEX	<0.300	0.300	06/13/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	06/14/2024	ND	448	112	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	06/13/2024	ND	199	99.3	200	5.26	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	186	93.1	200	0.296	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 80.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 49.1-148

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Analytical Results For:

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 HOBBS NM, 88240
 Fax To:

Received:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 24 @ 1.5' (H243413-06)

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	06/13/2024	ND	2.08	104	2.00	7.25	
Toluene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	5.89	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.18	109	2.00	5.19	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.69	112	6.00	4.64	
Total BTEX	<0.300	0.300	06/13/2024	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	800	16.0	06/14/2024	ND	448	112	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	06/13/2024	ND	199	99.3	200	5.26	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	186	93.1	200	0.296	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 25 @ 1.5' (H243413-07)

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	06/13/2024	ND	2.08	104	2.00	7.25	
Toluene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	5.89	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.18	109	2.00	5.19	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.69	112	6.00	4.64	
Total BTEX	<0.300	0.300	06/13/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	06/14/2024	ND	448	112	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	06/13/2024	ND	199	99.3	200	5.26	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	186	93.1	200	0.296	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 80.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 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:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 26 @ 1.5' (H243413-08)

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	06/13/2024	ND	2.08	104	2.00	7.25	
Toluene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	5.89	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.18	109	2.00	5.19	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.69	112	6.00	4.64	
Total BTEX	<0.300	0.300	06/13/2024	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	720	16.0	06/14/2024	ND	448	112	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	06/13/2024	ND	199	99.3	200	5.26	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	186	93.1	200	0.296	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.9 % 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:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 27 @ 1.5' (H243413-09)

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	06/13/2024	ND	2.08	104	2.00	7.25	
Toluene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	5.89	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.18	109	2.00	5.19	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.69	112	6.00	4.64	
Total BTEX	<0.300	0.300	06/13/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	06/14/2024	ND	448	112	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	06/13/2024	ND	199	99.3	200	5.26	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	186	93.1	200	0.296	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 76.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 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:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 28 @ 1.5' (H243413-10)

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	06/13/2024	ND	2.08	104	2.00	7.25	
Toluene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	5.89	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.18	109	2.00	5.19	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.69	112	6.00	4.64	
Total BTEX	<0.300	0.300	06/13/2024	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	592	16.0	06/14/2024	ND	448	112	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	06/13/2024	ND	199	99.3	200	5.26	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	186	93.1	200	0.296	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 82.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 29 @ 1.5' (H243413-11)

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	06/13/2024	ND	2.08	104	2.00	7.25	
Toluene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	5.89	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.18	109	2.00	5.19	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.69	112	6.00	4.64	
Total BTEX	<0.300	0.300	06/13/2024	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	640	16.0	06/14/2024	ND	448	112	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	06/13/2024	ND	199	99.3	200	5.26	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	186	93.1	200	0.296	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 72.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 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:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 30 @ 1.5' (H243413-12)

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	06/13/2024	ND	2.08	104	2.00	7.25	
Toluene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	5.89	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.18	109	2.00	5.19	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.69	112	6.00	4.64	
Total BTEX	<0.300	0.300	06/13/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	06/14/2024	ND	448	112	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	06/13/2024	ND	199	99.3	200	5.26	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	186	93.1	200	0.296	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 67.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 31 @ 1.5' (H243413-13)

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	06/13/2024	ND	2.08	104	2.00	7.25	
Toluene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	5.89	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.18	109	2.00	5.19	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.69	112	6.00	4.64	
Total BTEX	<0.300	0.300	06/13/2024	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	400	16.0	06/14/2024	ND	448	112	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	06/13/2024	ND	199	99.3	200	5.26	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	186	93.1	200	0.296	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 70.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 32 @ 1.5' (H243413-14)

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	06/13/2024	ND	2.08	104	2.00	7.25	
Toluene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	5.89	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.18	109	2.00	5.19	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.69	112	6.00	4.64	
Total BTEX	<0.300	0.300	06/13/2024	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	416	16.0	06/14/2024	ND	448	112	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	06/13/2024	ND	199	99.3	200	5.26	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	186	93.1	200	0.296	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 70.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 33 @ 1.5' (H243413-15)

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	06/13/2024	ND	2.08	104	2.00	7.25	
Toluene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	5.89	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.18	109	2.00	5.19	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.69	112	6.00	4.64	
Total BTEX	<0.300	0.300	06/13/2024	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	464	16.0	06/14/2024	ND	448	112	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	06/13/2024	ND	199	99.3	200	5.26	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	186	93.1	200	0.296	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 76.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 34 @ 2' (H243413-16)

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	06/13/2024	ND	2.08	104	2.00	7.25	
Toluene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	5.89	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.18	109	2.00	5.19	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.69	112	6.00	4.64	
Total BTEX	<0.300	0.300	06/13/2024	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	800	16.0	06/14/2024	ND	448	112	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	06/13/2024	ND	199	99.3	200	5.26	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	186	93.1	200	0.296	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 76.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 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:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 35 @ 2' (H243413-17)

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	06/13/2024	ND	2.08	104	2.00	7.25	
Toluene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	5.89	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.18	109	2.00	5.19	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.69	112	6.00	4.64	
Total BTEX	<0.300	0.300	06/13/2024	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	640	16.0	06/14/2024	ND	448	112	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	06/13/2024	ND	199	99.3	200	5.26	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	186	93.1	200	0.296	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 70.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 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:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 36 @ 2' (H243413-18)

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	06/13/2024	ND	2.08	104	2.00	7.25	
Toluene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	5.89	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.18	109	2.00	5.19	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.69	112	6.00	4.64	
Total BTEX	<0.300	0.300	06/13/2024	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	624	16.0	06/14/2024	ND	448	112	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	06/13/2024	ND	199	99.3	200	5.26	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	186	93.1	200	0.296	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 74.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 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:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: NW 4 (H243413-19)

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	06/13/2024	ND	2.08	104	2.00	7.25	
Toluene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	5.89	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.18	109	2.00	5.19	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.69	112	6.00	4.64	
Total BTEX	<0.300	0.300	06/13/2024	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	720	16.0	06/14/2024	ND	448	112	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	06/13/2024	ND	199	99.3	200	5.26	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	186	93.1	200	0.296	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 73.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: EW 5 (H243413-20)

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	06/13/2024	ND	2.08	104	2.00	7.25	
Toluene*	<0.050	0.050	06/13/2024	ND	2.20	110	2.00	5.89	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	2.18	109	2.00	5.19	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	6.69	112	6.00	4.64	
Total BTEX	<0.300	0.300	06/13/2024	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	496	16.0	06/14/2024	ND	448	112	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	06/13/2024	ND	217	108	200	6.79	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	220	110	200	6.17	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.7 % 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:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: SW 1 (H243413-21)

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	06/13/2024	ND	1.96	97.9	2.00	2.40	
Toluene*	<0.050	0.050	06/13/2024	ND	1.92	96.2	2.00	1.90	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	1.95	97.7	2.00	1.36	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	5.65	94.2	6.00	1.26	
Total BTEX	<0.300	0.300	06/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	06/14/2024	ND	448	112	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	06/13/2024	ND	217	108	200	6.79	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	220	110	200	6.17	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 78.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.5 % 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:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: SW 2 (H243413-22)

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	06/13/2024	ND	1.96	97.9	2.00	2.40	
Toluene*	<0.050	0.050	06/13/2024	ND	1.92	96.2	2.00	1.90	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	1.95	97.7	2.00	1.36	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	5.65	94.2	6.00	1.26	
Total BTEX	<0.300	0.300	06/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	06/14/2024	ND	448	112	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	06/13/2024	ND	217	108	200	6.79	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	220	110	200	6.17	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 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:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: SW 3 (H243413-23)

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	06/13/2024	ND	1.96	97.9	2.00	2.40	
Toluene*	<0.050	0.050	06/13/2024	ND	1.92	96.2	2.00	1.90	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	1.95	97.7	2.00	1.36	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	5.65	94.2	6.00	1.26	
Total BTEX	<0.300	0.300	06/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	06/14/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2024	ND	217	108	200	6.79	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	220	110	200	6.17	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 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:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: SW 4 (H243413-24)

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	06/13/2024	ND	1.96	97.9	2.00	2.40	
Toluene*	<0.050	0.050	06/13/2024	ND	1.92	96.2	2.00	1.90	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	1.95	97.7	2.00	1.36	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	5.65	94.2	6.00	1.26	
Total BTEX	<0.300	0.300	06/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.9 % 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	672	16.0	06/14/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2024	ND	217	108	200	6.79	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	220	110	200	6.17	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 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:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: WW 4 (H243413-25)

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	06/13/2024	ND	1.96	97.9	2.00	2.40	
Toluene*	<0.050	0.050	06/13/2024	ND	1.92	96.2	2.00	1.90	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	1.95	97.7	2.00	1.36	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	5.65	94.2	6.00	1.26	
Total BTEX	<0.300	0.300	06/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	06/14/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2024	ND	217	108	200	6.79	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	220	110	200	6.17	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.7 % 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:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/14/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: WW 5 (H243413-26)

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	06/13/2024	ND	1.96	97.9	2.00	2.40	
Toluene*	<0.050	0.050	06/13/2024	ND	1.92	96.2	2.00	1.90	
Ethylbenzene*	<0.050	0.050	06/13/2024	ND	1.95	97.7	2.00	1.36	
Total Xylenes*	<0.150	0.150	06/13/2024	ND	5.65	94.2	6.00	1.26	
Total BTEX	<0.300	0.300	06/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.9 % 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	800	16.0	06/14/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2024	ND	217	108	200	6.79	
DRO >C10-C28*	<10.0	10.0	06/13/2024	ND	220	110	200	6.17	
EXT DRO >C28-C36	<10.0	10.0	06/13/2024	ND					

Surrogate: 1-Chlorooctane 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCS/D recovery and/or RPD values.
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

June 18, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BEU DI 29 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/12/24 14:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive 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:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/18/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 1 @ SURF (H243415-01)

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	06/14/2024	ND	1.97	98.5	2.00	3.31	
Toluene*	<0.050	0.050	06/14/2024	ND	1.96	97.9	2.00	3.53	
Ethylbenzene*	<0.050	0.050	06/14/2024	ND	1.86	93.1	2.00	3.18	
Total Xylenes*	<0.150	0.150	06/14/2024	ND	5.76	96.0	6.00	2.98	
Total BTEX	<0.300	0.300	06/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	14400	16.0	06/14/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2024	ND	196	98.1	200	7.80	
DRO >C10-C28*	<10.0	10.0	06/14/2024	ND	220	110	200	7.19	
EXT DRO >C28-C36	<10.0	10.0	06/14/2024	ND					

Surrogate: 1-Chlorooctane 88.5 % 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:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/18/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 1 @ 1' (H243415-02)

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	06/14/2024	ND	1.97	98.5	2.00	3.31	
Toluene*	<0.050	0.050	06/14/2024	ND	1.96	97.9	2.00	3.53	
Ethylbenzene*	<0.050	0.050	06/14/2024	ND	1.86	93.1	2.00	3.18	
Total Xylenes*	<0.150	0.150	06/14/2024	ND	5.76	96.0	6.00	2.98	
Total BTEX	<0.300	0.300	06/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	3520	16.0	06/14/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2024	ND	196	98.1	200	7.80	
DRO >C10-C28*	<10.0	10.0	06/14/2024	ND	220	110	200	7.19	
EXT DRO >C28-C36	<10.0	10.0	06/14/2024	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 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:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/18/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 1 @ 2' (H243415-03)

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	06/14/2024	ND	1.97	98.5	2.00	3.31	
Toluene*	<0.050	0.050	06/14/2024	ND	1.96	97.9	2.00	3.53	
Ethylbenzene*	<0.050	0.050	06/14/2024	ND	1.86	93.1	2.00	3.18	
Total Xylenes*	<0.150	0.150	06/14/2024	ND	5.76	96.0	6.00	2.98	
Total BTEX	<0.300	0.300	06/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	1140	16.0	06/14/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2024	ND	201	101	200	1.85	
DRO >C10-C28*	<10.0	10.0	06/14/2024	ND	207	104	200	0.212	
EXT DRO >C28-C36	<10.0	10.0	06/14/2024	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 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:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/18/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 2 @ SURF (H243415-04)

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	06/14/2024	ND	1.97	98.5	2.00	3.31	
Toluene*	<0.050	0.050	06/14/2024	ND	1.96	97.9	2.00	3.53	
Ethylbenzene*	<0.050	0.050	06/14/2024	ND	1.86	93.1	2.00	3.18	
Total Xylenes*	<0.150	0.150	06/14/2024	ND	5.76	96.0	6.00	2.98	
Total BTEX	<0.300	0.300	06/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	15000	16.0	06/14/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2024	ND	201	101	200	1.85	
DRO >C10-C28*	<10.0	10.0	06/14/2024	ND	207	104	200	0.212	
EXT DRO >C28-C36	<10.0	10.0	06/14/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/18/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 2 @ 1' (H243415-05)

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	06/14/2024	ND	1.97	98.5	2.00	3.31	
Toluene*	<0.050	0.050	06/14/2024	ND	1.96	97.9	2.00	3.53	
Ethylbenzene*	<0.050	0.050	06/14/2024	ND	1.86	93.1	2.00	3.18	
Total Xylenes*	<0.150	0.150	06/14/2024	ND	5.76	96.0	6.00	2.98	
Total BTEX	<0.300	0.300	06/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 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	12000	16.0	06/14/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2024	ND	201	101	200	1.85	
DRO >C10-C28*	<10.0	10.0	06/14/2024	ND	207	104	200	0.212	
EXT DRO >C28-C36	<10.0	10.0	06/14/2024	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 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:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/18/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 2 @ 2' (H243415-06)

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	06/14/2024	ND	2.08	104	2.00	4.03	
Toluene*	<0.050	0.050	06/14/2024	ND	2.03	101	2.00	2.57	
Ethylbenzene*	<0.050	0.050	06/14/2024	ND	2.05	103	2.00	3.17	
Total Xylenes*	<0.150	0.150	06/14/2024	ND	6.07	101	6.00	3.23	
Total BTEX	<0.300	0.300	06/14/2024	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	10000	16.0	06/14/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2024	ND	201	101	200	1.85	
DRO >C10-C28*	<10.0	10.0	06/14/2024	ND	207	104	200	0.212	
EXT DRO >C28-C36	<10.0	10.0	06/14/2024	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/12/2024	Sampling Date:	06/12/2024
Reported:	06/18/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 2 @ 3' (H243415-07)

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	06/14/2024	ND	2.08	104	2.00	4.03	
Toluene*	<0.050	0.050	06/14/2024	ND	2.03	101	2.00	2.57	
Ethylbenzene*	<0.050	0.050	06/14/2024	ND	2.05	103	2.00	3.17	
Total Xylenes*	<0.150	0.150	06/14/2024	ND	6.07	101	6.00	3.23	
Total BTEX	<0.300	0.300	06/14/2024	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	1070	16.0	06/14/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2024	ND	201	101	200	1.85	
DRO >C10-C28*	<10.0	10.0	06/14/2024	ND	207	104	200	0.212	
EXT DRO >C28-C36	<10.0	10.0	06/14/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 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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Celey D. Keene, Lab Director/Quality Manager



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

June 19, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BEU DI 29 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/13/24 14:48.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive 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:	06/13/2024	Sampling Date:	06/13/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 3 @ SURF (H243447-01)

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	06/17/2024	ND	1.96	97.8	2.00	1.74	
Toluene*	<0.050	0.050	06/17/2024	ND	1.97	98.4	2.00	1.41	
Ethylbenzene*	<0.050	0.050	06/17/2024	ND	1.88	93.8	2.00	1.19	
Total Xylenes*	<0.150	0.150	06/17/2024	ND	5.84	97.3	6.00	1.19	
Total BTEX	<0.300	0.300	06/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	21800	16.0	06/17/2024	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	06/17/2024	ND	199	99.4	200	1.73	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	230	115	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 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:	06/13/2024	Sampling Date:	06/13/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 4 @ SURF (H243447-02)

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	06/17/2024	ND	1.96	97.8	2.00	1.74	
Toluene*	<0.050	0.050	06/17/2024	ND	1.97	98.4	2.00	1.41	
Ethylbenzene*	<0.050	0.050	06/17/2024	ND	1.88	93.8	2.00	1.19	
Total Xylenes*	<0.150	0.150	06/17/2024	ND	5.84	97.3	6.00	1.19	
Total BTEX	<0.300	0.300	06/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	26800	16.0	06/17/2024	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	06/17/2024	ND	199	99.4	200	1.73	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	230	115	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/13/2024	Sampling Date:	06/13/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 5 @ SURF (H243447-03)

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	06/17/2024	ND	1.96	97.8	2.00	1.74	
Toluene*	<0.050	0.050	06/17/2024	ND	1.97	98.4	2.00	1.41	
Ethylbenzene*	<0.050	0.050	06/17/2024	ND	1.88	93.8	2.00	1.19	
Total Xylenes*	<0.150	0.150	06/17/2024	ND	5.84	97.3	6.00	1.19	
Total BTEX	<0.300	0.300	06/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	06/17/2024	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	06/17/2024	ND	199	99.4	200	1.73	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	230	115	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 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:	06/13/2024	Sampling Date:	06/13/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 6 @ SURF (H243447-04)

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	06/17/2024	ND	1.96	97.8	2.00	1.74	
Toluene*	<0.050	0.050	06/17/2024	ND	1.97	98.4	2.00	1.41	
Ethylbenzene*	<0.050	0.050	06/17/2024	ND	1.88	93.8	2.00	1.19	
Total Xylenes*	<0.150	0.150	06/17/2024	ND	5.84	97.3	6.00	1.19	
Total BTEX	<0.300	0.300	06/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6880	16.0	06/17/2024	ND	432	108	400	0.00	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2024	ND	199	99.4	200	1.73	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	230	115	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 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:	06/13/2024	Sampling Date:	06/13/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 7 @ SURF (H243447-05)

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	06/17/2024	ND	1.96	97.8	2.00	1.74	
Toluene*	<0.050	0.050	06/17/2024	ND	1.97	98.4	2.00	1.41	
Ethylbenzene*	<0.050	0.050	06/17/2024	ND	1.88	93.8	2.00	1.19	
Total Xylenes*	<0.150	0.150	06/17/2024	ND	5.84	97.3	6.00	1.19	
Total BTEX	<0.300	0.300	06/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6800	16.0	06/17/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2024	ND	199	99.4	200	1.73	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	230	115	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 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:	06/13/2024	Sampling Date:	06/13/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 3 @ 1' (H243447-06)

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	06/17/2024	ND	1.96	97.8	2.00	1.74	
Toluene*	<0.050	0.050	06/17/2024	ND	1.97	98.4	2.00	1.41	
Ethylbenzene*	<0.050	0.050	06/17/2024	ND	1.88	93.8	2.00	1.19	
Total Xylenes*	<0.150	0.150	06/17/2024	ND	5.84	97.3	6.00	1.19	
Total BTEX	<0.300	0.300	06/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 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	6720	16.0	06/17/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2024	ND	199	99.4	200	1.73	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	230	115	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 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:	06/13/2024	Sampling Date:	06/13/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 4 @ 1' (H243447-07)

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	06/17/2024	ND	1.96	97.8	2.00	1.74	
Toluene*	<0.050	0.050	06/17/2024	ND	1.97	98.4	2.00	1.41	
Ethylbenzene*	<0.050	0.050	06/17/2024	ND	1.88	93.8	2.00	1.19	
Total Xylenes*	<0.150	0.150	06/17/2024	ND	5.84	97.3	6.00	1.19	
Total BTEX	<0.300	0.300	06/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	7120	16.0	06/17/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2024	ND	199	99.4	200	1.73	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	230	115	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/13/2024	Sampling Date:	06/13/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 5 @ 1' (H243447-08)

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	06/17/2024	ND	1.96	97.8	2.00	1.74	
Toluene*	<0.050	0.050	06/17/2024	ND	1.97	98.4	2.00	1.41	
Ethylbenzene*	<0.050	0.050	06/17/2024	ND	1.88	93.8	2.00	1.19	
Total Xylenes*	<0.150	0.150	06/17/2024	ND	5.84	97.3	6.00	1.19	
Total BTEX	<0.300	0.300	06/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5280	16.0	06/17/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2024	ND	199	99.4	200	1.73	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	230	115	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 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:	06/13/2024	Sampling Date:	06/13/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 6 @ 1' (H243447-09)

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	06/17/2024	ND	1.96	97.8	2.00	1.74	
Toluene*	<0.050	0.050	06/17/2024	ND	1.97	98.4	2.00	1.41	
Ethylbenzene*	<0.050	0.050	06/17/2024	ND	1.88	93.8	2.00	1.19	
Total Xylenes*	<0.150	0.150	06/17/2024	ND	5.84	97.3	6.00	1.19	
Total BTEX	<0.300	0.300	06/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	5360	16.0	06/17/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2024	ND	199	99.4	200	1.73	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	230	115	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.4 % 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:	06/13/2024	Sampling Date:	06/13/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 7 @ 1' (H243447-10)

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	06/17/2024	ND	1.96	97.8	2.00	1.74	
Toluene*	<0.050	0.050	06/17/2024	ND	1.97	98.4	2.00	1.41	
Ethylbenzene*	<0.050	0.050	06/17/2024	ND	1.88	93.8	2.00	1.19	
Total Xylenes*	<0.150	0.150	06/17/2024	ND	5.84	97.3	6.00	1.19	
Total BTEX	<0.300	0.300	06/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	06/17/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2024	ND	215	107	200	3.05	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	225	113	200	5.35	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/13/2024	Sampling Date:	06/13/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 3 @ 2' (H243447-11)

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	06/17/2024	ND	1.96	97.8	2.00	1.74	
Toluene*	<0.050	0.050	06/17/2024	ND	1.97	98.4	2.00	1.41	
Ethylbenzene*	<0.050	0.050	06/17/2024	ND	1.88	93.8	2.00	1.19	
Total Xylenes*	<0.150	0.150	06/17/2024	ND	5.84	97.3	6.00	1.19	
Total BTEX	<0.300	0.300	06/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	3360	16.0	06/17/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2024	ND	215	107	200	3.05	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	225	113	200	5.35	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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:	06/13/2024	Sampling Date:	06/13/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 4 @ 2' (H243447-12)

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	06/17/2024	ND	1.96	97.8	2.00	1.74	
Toluene*	<0.050	0.050	06/17/2024	ND	1.97	98.4	2.00	1.41	
Ethylbenzene*	<0.050	0.050	06/17/2024	ND	1.88	93.8	2.00	1.19	
Total Xylenes*	<0.150	0.150	06/17/2024	ND	5.84	97.3	6.00	1.19	
Total BTEX	<0.300	0.300	06/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3760	16.0	06/17/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2024	ND	215	107	200	3.05	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	225	113	200	5.35	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/13/2024	Sampling Date:	06/13/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 5 @ 2' (H243447-13)

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	06/17/2024	ND	1.93	96.3	2.00	0.209	
Toluene*	<0.050	0.050	06/17/2024	ND	1.91	95.3	2.00	0.432	
Ethylbenzene*	<0.050	0.050	06/17/2024	ND	1.93	96.6	2.00	0.598	
Total Xylenes*	<0.150	0.150	06/17/2024	ND	5.63	93.9	6.00	0.638	
Total BTEX	<0.300	0.300	06/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	06/17/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2024	ND	215	107	200	3.05	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	225	113	200	5.35	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/13/2024	Sampling Date:	06/13/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 6 @ 2' (H243447-14)

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	06/17/2024	ND	1.93	96.3	2.00	0.209	
Toluene*	<0.050	0.050	06/17/2024	ND	1.91	95.3	2.00	0.432	
Ethylbenzene*	<0.050	0.050	06/17/2024	ND	1.93	96.6	2.00	0.598	
Total Xylenes*	<0.150	0.150	06/17/2024	ND	5.63	93.9	6.00	0.638	
Total BTEX	<0.300	0.300	06/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	06/17/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2024	ND	215	107	200	3.05	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	225	113	200	5.35	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/13/2024	Sampling Date:	06/13/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 7 @ 2' (H243447-15)

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	06/18/2024	ND	1.93	96.3	2.00	0.209	
Toluene*	<0.050	0.050	06/18/2024	ND	1.91	95.3	2.00	0.432	
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	1.93	96.6	2.00	0.598	
Total Xylenes*	<0.150	0.150	06/18/2024	ND	5.63	93.9	6.00	0.638	
Total BTEX	<0.300	0.300	06/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 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	1920	16.0	06/17/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2024	ND	215	107	200	3.05	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	225	113	200	5.35	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/13/2024	Sampling Date:	06/13/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 3 @ 3' (H243447-16)

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	06/18/2024	ND	1.93	96.3	2.00	0.209	
Toluene*	<0.050	0.050	06/18/2024	ND	1.91	95.3	2.00	0.432	
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	1.93	96.6	2.00	0.598	
Total Xylenes*	<0.150	0.150	06/18/2024	ND	5.63	93.9	6.00	0.638	
Total BTEX	<0.300	0.300	06/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	06/17/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2024	ND	215	107	200	3.05	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	225	113	200	5.35	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/13/2024	Sampling Date:	06/13/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 4 @ 3' (H243447-17)

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	06/18/2024	ND	1.93	96.3	2.00	0.209	
Toluene*	<0.050	0.050	06/18/2024	ND	1.91	95.3	2.00	0.432	
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	1.93	96.6	2.00	0.598	
Total Xylenes*	<0.150	0.150	06/18/2024	ND	5.63	93.9	6.00	0.638	
Total BTEX	<0.300	0.300	06/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 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	976	16.0	06/17/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2024	ND	215	107	200	3.05	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	225	113	200	5.35	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/13/2024	Sampling Date:	06/13/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 5 @ 3' (H243447-18)

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	06/18/2024	ND	1.93	96.3	2.00	0.209	
Toluene*	<0.050	0.050	06/18/2024	ND	1.91	95.3	2.00	0.432	
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	1.93	96.6	2.00	0.598	
Total Xylenes*	<0.150	0.150	06/18/2024	ND	5.63	93.9	6.00	0.638	
Total BTEX	<0.300	0.300	06/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 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	928	16.0	06/17/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2024	ND	215	107	200	3.05	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	225	113	200	5.35	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/13/2024	Sampling Date:	06/13/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 6 @ 3' (H243447-19)

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	06/18/2024	ND	1.93	96.3	2.00	0.209	
Toluene*	<0.050	0.050	06/18/2024	ND	1.91	95.3	2.00	0.432	
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	1.93	96.6	2.00	0.598	
Total Xylenes*	<0.150	0.150	06/18/2024	ND	5.63	93.9	6.00	0.638	
Total BTEX	<0.300	0.300	06/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 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	160	16.0	06/17/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2024	ND	215	107	200	3.05	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	225	113	200	5.35	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/13/2024	Sampling Date:	06/13/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 7 @ 3' (H243447-20)

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	06/18/2024	ND	1.93	96.3	2.00	0.209	
Toluene*	<0.050	0.050	06/18/2024	ND	1.91	95.3	2.00	0.432	
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	1.93	96.6	2.00	0.598	
Total Xylenes*	<0.150	0.150	06/18/2024	ND	5.63	93.9	6.00	0.638	
Total BTEX	<0.300	0.300	06/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 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	880	16.0	06/17/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2024	ND	215	107	200	3.05	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	225	113	200	5.35	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 107 % 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:	06/13/2024	Sampling Date:	06/13/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: STOCKPILE (H243447-21)

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	06/18/2024	ND	1.93	96.3	2.00	0.209	
Toluene*	<0.050	0.050	06/18/2024	ND	1.91	95.3	2.00	0.432	
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	1.93	96.6	2.00	0.598	
Total Xylenes*	<0.150	0.150	06/18/2024	ND	5.63	93.9	6.00	0.638	
Total BTEX	<0.300	0.300	06/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.4 % 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	80.0	16.0	06/17/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2024	ND	215	107	200	3.05	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	225	113	200	5.35	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- 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

June 17, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BEU DI 29 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/14/24 15:22.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/14/2024	Sampling Date:	06/14/2024
Reported:	06/17/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 4 @ 4' (H243474-01)

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	06/14/2024	ND	2.00	100	2.00	0.552	
Toluene*	<0.050	0.050	06/14/2024	ND	1.98	98.9	2.00	0.457	
Ethylbenzene*	<0.050	0.050	06/14/2024	ND	2.01	101	2.00	0.651	
Total Xylenes*	<0.150	0.150	06/14/2024	ND	5.83	97.2	6.00	0.698	
Total BTEX	<0.300	0.300	06/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/17/2024	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	06/15/2024	ND	185	92.5	200	2.28	
DRO >C10-C28*	<10.0	10.0	06/15/2024	ND	180	90.2	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	06/15/2024	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/14/2024	Sampling Date:	06/14/2024
Reported:	06/17/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 5 @ 5' (H243474-02)

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	06/14/2024	ND	2.00	100	2.00	0.552	
Toluene*	<0.050	0.050	06/14/2024	ND	1.98	98.9	2.00	0.457	
Ethylbenzene*	<0.050	0.050	06/14/2024	ND	2.01	101	2.00	0.651	
Total Xylenes*	<0.150	0.150	06/14/2024	ND	5.83	97.2	6.00	0.698	
Total BTEX	<0.300	0.300	06/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.2 % 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	80.0	16.0	06/17/2024	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	06/15/2024	ND	185	92.5	200	2.28	
DRO >C10-C28*	<10.0	10.0	06/15/2024	ND	180	90.2	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	06/15/2024	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 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:	06/14/2024	Sampling Date:	06/14/2024
Reported:	06/17/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 6 @ 4' (H243474-03)

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	06/14/2024	ND	2.00	100	2.00	0.552	
Toluene*	<0.050	0.050	06/14/2024	ND	1.98	98.9	2.00	0.457	
Ethylbenzene*	<0.050	0.050	06/14/2024	ND	2.01	101	2.00	0.651	
Total Xylenes*	<0.150	0.150	06/14/2024	ND	5.83	97.2	6.00	0.698	
Total BTEX	<0.300	0.300	06/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.4 % 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	64.0	16.0	06/17/2024	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	06/15/2024	ND	185	92.5	200	2.28	
DRO >C10-C28*	<10.0	10.0	06/15/2024	ND	180	90.2	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	06/15/2024	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/14/2024	Sampling Date:	06/14/2024
Reported:	06/17/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 14 @ 4' (H243474-04)

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	06/14/2024	ND	2.00	100	2.00	0.552	
Toluene*	<0.050	0.050	06/14/2024	ND	1.98	98.9	2.00	0.457	
Ethylbenzene*	<0.050	0.050	06/14/2024	ND	2.01	101	2.00	0.651	
Total Xylenes*	<0.150	0.150	06/14/2024	ND	5.83	97.2	6.00	0.698	
Total BTEX	<0.300	0.300	06/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.4 % 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	06/17/2024	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	06/15/2024	ND	185	92.5	200	2.28	
DRO >C10-C28*	<10.0	10.0	06/15/2024	ND	180	90.2	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	06/15/2024	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/14/2024	Sampling Date:	06/14/2024
Reported:	06/17/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 17 @ 4' (H243474-05)

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	06/14/2024	ND	2.00	100	2.00	0.552	
Toluene*	<0.050	0.050	06/14/2024	ND	1.98	98.9	2.00	0.457	
Ethylbenzene*	<0.050	0.050	06/14/2024	ND	2.01	101	2.00	0.651	
Total Xylenes*	<0.150	0.150	06/14/2024	ND	5.83	97.2	6.00	0.698	
Total BTEX	<0.300	0.300	06/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.7 % 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	80.0	16.0	06/17/2024	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	06/15/2024	ND	185	92.5	200	2.28	
DRO >C10-C28*	<10.0	10.0	06/15/2024	ND	180	90.2	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	06/15/2024	ND					

Surrogate: 1-Chlorooctane 73.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.7 % 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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

June 18, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BEU DI 29 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/17/24 8:14.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

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:	06/17/2024	Sampling Date:	06/14/2024
Reported:	06/18/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 20 @ 3' (H243486-01)

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	06/17/2024	ND	1.93	96.6	2.00	3.78	
Toluene*	<0.050	0.050	06/17/2024	ND	1.84	92.0	2.00	3.00	
Ethylbenzene*	<0.050	0.050	06/17/2024	ND	1.80	89.9	2.00	3.35	
Total Xylenes*	<0.150	0.150	06/17/2024	ND	5.61	93.5	6.00	2.93	
Total BTEX	<0.300	0.300	06/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	06/17/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2024	ND	195	97.6	200	5.16	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	206	103	200	5.74	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/17/2024	Sampling Date:	06/14/2024
Reported:	06/18/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 22 @ 3' (H243486-02)

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	06/17/2024	ND	1.93	96.6	2.00	3.78	
Toluene*	<0.050	0.050	06/17/2024	ND	1.84	92.0	2.00	3.00	
Ethylbenzene*	<0.050	0.050	06/17/2024	ND	1.80	89.9	2.00	3.35	
Total Xylenes*	<0.150	0.150	06/17/2024	ND	5.61	93.5	6.00	2.93	
Total BTEX	<0.300	0.300	06/17/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/17/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2024	ND	195	97.6	200	5.16	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	206	103	200	5.74	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 74.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/17/2024	Sampling Date:	06/14/2024
Reported:	06/18/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 23 @ 3' (H243486-03)

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	06/17/2024	ND	1.93	96.6	2.00	3.78	
Toluene*	<0.050	0.050	06/17/2024	ND	1.84	92.0	2.00	3.00	
Ethylbenzene*	<0.050	0.050	06/17/2024	ND	1.80	89.9	2.00	3.35	
Total Xylenes*	<0.150	0.150	06/17/2024	ND	5.61	93.5	6.00	2.93	
Total BTEX	<0.300	0.300	06/17/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/17/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2024	ND	195	97.6	200	5.16	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	206	103	200	5.74	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 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
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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	06/17/2024	Sampling Date:	06/14/2024
Reported:	06/18/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 24 @ 3' (H243486-04)

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	06/17/2024	ND	1.93	96.6	2.00	3.78	
Toluene*	<0.050	0.050	06/17/2024	ND	1.84	92.0	2.00	3.00	
Ethylbenzene*	<0.050	0.050	06/17/2024	ND	1.80	89.9	2.00	3.35	
Total Xylenes*	<0.150	0.150	06/17/2024	ND	5.61	93.5	6.00	2.93	
Total BTEX	<0.300	0.300	06/17/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/17/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2024	ND	195	97.6	200	5.16	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	206	103	200	5.74	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 97.6 % 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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Analytical Results For:

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

Received:	06/17/2024	Sampling Date:	06/14/2024
Reported:	06/18/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 25 @ 3' (H243486-05)

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	06/17/2024	ND	1.93	96.6	2.00	3.78	
Toluene*	<0.050	0.050	06/17/2024	ND	1.84	92.0	2.00	3.00	
Ethylbenzene*	<0.050	0.050	06/17/2024	ND	1.80	89.9	2.00	3.35	
Total Xylenes*	<0.150	0.150	06/17/2024	ND	5.61	93.5	6.00	2.93	
Total BTEX	<0.300	0.300	06/17/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/17/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2024	ND	195	97.6	200	5.16	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	206	103	200	5.74	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.3 % 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:	06/17/2024	Sampling Date:	06/14/2024
Reported:	06/18/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 26 @ 3' (H243486-06)

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	06/17/2024	ND	1.93	96.6	2.00	3.78	
Toluene*	<0.050	0.050	06/17/2024	ND	1.84	92.0	2.00	3.00	
Ethylbenzene*	<0.050	0.050	06/17/2024	ND	1.80	89.9	2.00	3.35	
Total Xylenes*	<0.150	0.150	06/17/2024	ND	5.61	93.5	6.00	2.93	
Total BTEX	<0.300	0.300	06/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	80.0	16.0	06/17/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2024	ND	195	97.6	200	5.16	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	206	103	200	5.74	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 95.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/17/2024	Sampling Date:	06/14/2024
Reported:	06/18/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 27 @ 3' (H243486-07)

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	06/17/2024	ND	1.93	96.6	2.00	3.78	
Toluene*	<0.050	0.050	06/17/2024	ND	1.84	92.0	2.00	3.00	
Ethylbenzene*	<0.050	0.050	06/17/2024	ND	1.80	89.9	2.00	3.35	
Total Xylenes*	<0.150	0.150	06/17/2024	ND	5.61	93.5	6.00	2.93	
Total BTEX	<0.300	0.300	06/17/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/17/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2024	ND	195	97.6	200	5.16	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	206	103	200	5.74	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/17/2024	Sampling Date:	06/14/2024
Reported:	06/18/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: NW 4 A (H243486-08)

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	06/17/2024	ND	1.93	96.6	2.00	3.78	
Toluene*	<0.050	0.050	06/17/2024	ND	1.84	92.0	2.00	3.00	
Ethylbenzene*	<0.050	0.050	06/17/2024	ND	1.80	89.9	2.00	3.35	
Total Xylenes*	<0.150	0.150	06/17/2024	ND	5.61	93.5	6.00	2.93	
Total BTEX	<0.300	0.300	06/17/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/17/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2024	ND	195	97.6	200	5.16	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	206	103	200	5.74	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/17/2024	Sampling Date:	06/14/2024
Reported:	06/18/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: WW 4 A (H243486-09)

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	06/17/2024	ND	1.93	96.6	2.00	3.78	
Toluene*	<0.050	0.050	06/17/2024	ND	1.84	92.0	2.00	3.00	
Ethylbenzene*	<0.050	0.050	06/17/2024	ND	1.80	89.9	2.00	3.35	
Total Xylenes*	<0.150	0.150	06/17/2024	ND	5.61	93.5	6.00	2.93	
Total BTEX	<0.300	0.300	06/17/2024	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	64.0	16.0	06/17/2024	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	06/17/2024	ND	195	97.6	200	5.16	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	206	103	200	5.74	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/17/2024	Sampling Date:	06/14/2024
Reported:	06/18/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Shalyn Rodriguez
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: WW 5 A (H243486-10)

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	06/17/2024	ND	1.93	96.6	2.00	3.78	
Toluene*	<0.050	0.050	06/17/2024	ND	1.84	92.0	2.00	3.00	
Ethylbenzene*	<0.050	0.050	06/17/2024	ND	1.80	89.9	2.00	3.35	
Total Xylenes*	<0.150	0.150	06/17/2024	ND	5.61	93.5	6.00	2.93	
Total BTEX	<0.300	0.300	06/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	80.0	16.0	06/17/2024	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	06/17/2024	ND	195	97.6	200	5.16	
DRO >C10-C28*	<10.0	10.0	06/17/2024	ND	206	103	200	5.74	
EXT DRO >C28-C36	<10.0	10.0	06/17/2024	ND					

Surrogate: 1-Chlorooctane 97.4 % 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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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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June 19, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BEU DI 29 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/18/24 15:11.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

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:	06/14/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 29 @ 3' (H243554-01)

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	06/18/2024	ND	2.00	100	2.00	6.16	
Toluene*	<0.050	0.050	06/18/2024	ND	1.91	95.7	2.00	5.28	
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	1.86	93.0	2.00	6.48	
Total Xylenes*	<0.150	0.150	06/18/2024	ND	5.80	96.6	6.00	7.19	
Total BTEX	<0.300	0.300	06/18/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/19/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2024	ND	198	99.1	200	1.16	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	189	94.7	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 77.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 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:	06/18/2024	Sampling Date:	06/14/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 30 @ 3' (H243554-02)

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	06/18/2024	ND	2.00	100	2.00	6.16	
Toluene*	<0.050	0.050	06/18/2024	ND	1.91	95.7	2.00	5.28	
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	1.86	93.0	2.00	6.48	
Total Xylenes*	<0.150	0.150	06/18/2024	ND	5.80	96.6	6.00	7.19	
Total BTEX	<0.300	0.300	06/18/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/19/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2024	ND	198	99.1	200	1.16	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	189	94.7	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 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:	06/14/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 34 @ 3' (H243554-03)

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	06/18/2024	ND	2.00	100	2.00	6.16	
Toluene*	<0.050	0.050	06/18/2024	ND	1.91	95.7	2.00	5.28	
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	1.86	93.0	2.00	6.48	
Total Xylenes*	<0.150	0.150	06/18/2024	ND	5.80	96.6	6.00	7.19	
Total BTEX	<0.300	0.300	06/18/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/19/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2024	ND	198	99.1	200	1.16	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	189	94.7	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 76.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	06/18/2024	Sampling Date:	06/14/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 35 @ 3' (H243554-04)

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	06/18/2024	ND	2.00	100	2.00	6.16	
Toluene*	<0.050	0.050	06/18/2024	ND	1.91	95.7	2.00	5.28	
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	1.86	93.0	2.00	6.48	
Total Xylenes*	<0.150	0.150	06/18/2024	ND	5.80	96.6	6.00	7.19	
Total BTEX	<0.300	0.300	06/18/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/19/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2024	ND	198	99.1	200	1.16	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	189	94.7	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 62.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.7 % 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:	06/14/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: FL 36 @ 3' (H243554-05)

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	06/18/2024	ND	2.00	100	2.00	6.16	
Toluene*	<0.050	0.050	06/18/2024	ND	1.91	95.7	2.00	5.28	
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	1.86	93.0	2.00	6.48	
Total Xylenes*	<0.150	0.150	06/18/2024	ND	5.80	96.6	6.00	7.19	
Total BTEX	<0.300	0.300	06/18/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/19/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2024	ND	198	99.1	200	1.16	
DRO >C10-C28*	<10.0	10.0	06/19/2024	ND	189	94.7	200	1.23	
EXT DRO >C28-C36	<10.0	10.0	06/19/2024	ND					

Surrogate: 1-Chlorooctane 78.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 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:	06/14/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: SW 1 A (H243554-06)

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	06/18/2024	ND	2.00	100	2.00	6.16	
Toluene*	<0.050	0.050	06/18/2024	ND	1.91	95.7	2.00	5.28	
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	1.86	93.0	2.00	6.48	
Total Xylenes*	<0.150	0.150	06/18/2024	ND	5.80	96.6	6.00	7.19	
Total BTEX	<0.300	0.300	06/18/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/19/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2024	ND	189	94.3	200	1.94	
DRO >C10-C28*	<10.0	10.0	06/18/2024	ND	180	90.2	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	06/18/2024	ND					

Surrogate: 1-Chlorooctane 77.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 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:	06/14/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: SW 3 A (H243554-07)

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	06/18/2024	ND	2.00	100	2.00	6.16	
Toluene*	<0.050	0.050	06/18/2024	ND	1.91	95.7	2.00	5.28	
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	1.86	93.0	2.00	6.48	
Total Xylenes*	<0.150	0.150	06/18/2024	ND	5.80	96.6	6.00	7.19	
Total BTEX	<0.300	0.300	06/18/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/19/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2024	ND	189	94.3	200	1.94	
DRO >C10-C28*	<10.0	10.0	06/18/2024	ND	180	90.2	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	06/18/2024	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/18/2024	Sampling Date:	06/14/2024
Reported:	06/19/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: SW 4 A (H243554-08)

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	06/18/2024	ND	2.00	100	2.00	6.16	
Toluene*	<0.050	0.050	06/18/2024	ND	1.91	95.7	2.00	5.28	
Ethylbenzene*	<0.050	0.050	06/18/2024	ND	1.86	93.0	2.00	6.48	
Total Xylenes*	<0.150	0.150	06/18/2024	ND	5.80	96.6	6.00	7.19	
Total BTEX	<0.300	0.300	06/18/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/19/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/18/2024	ND	189	94.3	200	1.94	
DRO >C10-C28*	<10.0	10.0	06/18/2024	ND	180	90.2	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	06/18/2024	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

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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Celey D. Keene, Lab Director/Quality Manager



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

June 25, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BEU DI 29 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/19/24 8:43.

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.

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:	06/19/2024	Sampling Date:	06/18/2024
Reported:	06/25/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 1 @ 4' (H243588-01)

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	06/21/2024	ND	1.90	94.8	2.00	2.20	
Toluene*	<0.050	0.050	06/21/2024	ND	1.91	95.4	2.00	1.18	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.07	104	2.00	1.07	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.14	102	6.00	1.03	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	352	16.0	06/21/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2024	ND	210	105	200	3.24	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	211	105	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 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:	06/19/2024	Sampling Date:	06/18/2024
Reported:	06/25/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 2 @ 4' (H243588-02)

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	06/21/2024	ND	1.90	94.8	2.00	2.20	
Toluene*	<0.050	0.050	06/21/2024	ND	1.91	95.4	2.00	1.18	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.07	104	2.00	1.07	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.14	102	6.00	1.03	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	400	16.0	06/21/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2024	ND	210	105	200	3.24	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	211	105	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/19/2024	Sampling Date:	06/18/2024
Reported:	06/25/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 3 @ 4' (H243588-03)

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	06/21/2024	ND	1.90	94.8	2.00	2.20	
Toluene*	<0.050	0.050	06/21/2024	ND	1.91	95.4	2.00	1.18	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.07	104	2.00	1.07	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	6.14	102	6.00	1.03	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	384	16.0	06/21/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2024	ND	210	105	200	3.24	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	211	105	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

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

June 27, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BEU DI 29 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/21/24 14:56.

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:	06/21/2024	Sampling Date:	06/20/2024
Reported:	06/27/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 4 @ 4' (H243706-01)

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	06/26/2024	ND	2.23	112	2.00	1.85	
Toluene*	<0.050	0.050	06/26/2024	ND	2.21	110	2.00	2.53	
Ethylbenzene*	<0.050	0.050	06/26/2024	ND	2.19	109	2.00	3.80	
Total Xylenes*	<0.150	0.150	06/26/2024	ND	6.43	107	6.00	3.94	
Total BTEX	<0.300	0.300	06/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	06/25/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/25/2024	ND	188	93.9	200	0.690	
DRO >C10-C28*	<10.0	10.0	06/25/2024	ND	194	97.0	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	06/25/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/21/2024	Sampling Date:	06/20/2024
Reported:	06/27/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 5 @ 4' (H243706-02)

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	06/26/2024	ND	2.23	112	2.00	1.85	
Toluene*	<0.050	0.050	06/26/2024	ND	2.21	110	2.00	2.53	
Ethylbenzene*	<0.050	0.050	06/26/2024	ND	2.19	109	2.00	3.80	
Total Xylenes*	<0.150	0.150	06/26/2024	ND	6.43	107	6.00	3.94	
Total BTEX	<0.300	0.300	06/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/25/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/25/2024	ND	188	93.9	200	2.28	
DRO >C10-C28*	<10.0	10.0	06/25/2024	ND	198	98.9	200	0.949	
EXT DRO >C28-C36	<10.0	10.0	06/25/2024	ND					

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/21/2024	Sampling Date:	06/20/2024
Reported:	06/27/2024	Sampling Type:	Soil
Project Name:	BEU DI 29 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	20255	Sample Received By:	Alyssa Parras
Project Location:	XTO ENERGY- EDDY COUNTY, NM		

Sample ID: DEF 7 @ 4' (H243706-03)

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	06/26/2024	ND	2.23	112	2.00	1.85	
Toluene*	<0.050	0.050	06/26/2024	ND	2.21	110	2.00	2.53	
Ethylbenzene*	<0.050	0.050	06/26/2024	ND	2.19	109	2.00	3.80	
Total Xylenes*	<0.150	0.150	06/26/2024	ND	6.43	107	6.00	3.94	
Total BTEX	<0.300	0.300	06/26/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/25/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/25/2024	ND	188	93.9	200	2.28	
DRO >C10-C28*	<10.0	10.0	06/25/2024	ND	198	98.9	200	0.949	
EXT DRO >C28-C36	<10.0	10.0	06/25/2024	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 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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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Appendix E

Regulatory Correspondence

From: OCDOnline@state.nm.us
To: [Ruth, Amy](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 351962
Date: Friday, June 7, 2024 9:59:23 AM

To whom it may concern (c/o Amy Ruth for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2411738138.

The sampling event is expected to take place:

When: 06/10/2024 @ 08:00

Where: D-21-20S-32E 0 FNL 0 FEL (32.565105,-103.778548)

Additional Information: dominic@etechenv.com

Additional Instructions: From the intersection of Co Rd 126A and NM-243 (32.568509, -103.796977), head E on NM-243 for 0.96 mi, then S for 0.22, then E for 0.10 mi, then S for 0.04 mi to arrive at the BEU DI 29 Battery release area (32.565105, -103.778548).

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: [Ruth, Amy](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 351965
Date: Friday, June 7, 2024 10:00:22 AM

To whom it may concern (c/o Amy Ruth for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2411738138.

The sampling event is expected to take place:

When: 06/11/2024 @ 08:00

Where: D-21-20S-32E 0 FNL 0 FEL (32.565105,-103.778548)

Additional Information: dominic@etechenv.com

Additional Instructions: From the intersection of Co Rd 126A and NM-243 (32.568509, -103.796977), head E on NM-243 for 0.96 mi, then S for 0.22, then E for 0.10 mi, then S for 0.04 mi to arrive at the BEU DI 29 Battery release area (32.565105, -103.778548).

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: [Ruth, Amy](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 351969
Date: Friday, June 7, 2024 10:06:39 AM

To whom it may concern (c/o Amy Ruth for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2411738138.

The sampling event is expected to take place:

When: 06/12/2024 @ 08:00

Where: D-21-20S-32E 0 FNL 0 FEL (32.565105,-103.778548)

Additional Information: dominic@etechenv.com

Additional Instructions: From the intersection of Co Rd 126A and NM-243 (32.568509, -103.796977), head E on NM-243 for 0.96 mi, then S for 0.22, then E for 0.10 mi, then S for 0.04 mi to arrive at the BEU DI 29 Battery release area (32.565105, -103.778548).

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: [Ruth, Amy](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 351975
Date: Friday, June 7, 2024 10:08:21 AM

To whom it may concern (c/o Amy Ruth for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2411738138.

The sampling event is expected to take place:

When: 06/13/2024 @ 08:00

Where: D-21-20S-32E 0 FNL 0 FEL (32.565105,-103.778548)

Additional Information: dominic@etechenv.com

Additional Instructions: From the intersection of Co Rd 126A and NM-243 (32.568509, -103.796977), head E on NM-243 for 0.96 mi, then S for 0.22, then E for 0.10 mi, then S for 0.04 mi to arrive at the BEU DI 29 Battery release area (32.565105, -103.778548).

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: [Ruth, Amy](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 351978
Date: Friday, June 7, 2024 10:11:49 AM

To whom it may concern (c/o Amy Ruth for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2411738138.

The sampling event is expected to take place:

When: 06/14/2024 @ 08:00

Where: D-21-20S-32E 0 FNL 0 FEL (32.565105,-103.778548)

Additional Information: dominic@etechenv.com

Additional Instructions: From the intersection of Co Rd 126A and NM-243 (32.568509, -103.796977), head E on NM-243 for 0.96 mi, then S for 0.22, then E for 0.10 mi, then S for 0.04 mi to arrive at the BEU DI 29 Battery release area (32.565105, -103.778548).

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: [Ruth, Amy](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 351981
Date: Friday, June 7, 2024 10:14:28 AM

To whom it may concern (c/o Amy Ruth for XTO ENERGY, INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2411738138.

The sampling event is expected to take place:

When: 06/17/2024 @ 08:00

Where: D-21-20S-32E 0 FNL 0 FEL (32.565105,-103.778548)

Additional Information: dominic@etechenv.com

Additional Instructions: From the intersection of Co Rd 126A and NM-243 (32.568509, -103.796977), head E on NM-243 for 0.96 mi, then S for 0.22, then E for 0.10 mi, then S for 0.04 mi to arrive at the BEU DI 29 Battery release area (32.565105, -103.778548).

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

District I
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District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 387960

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 387960
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2411738138
Incident Name	NAPP2411738138 BEU DI 29 BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Deferral Request Received

Location of Release Source

Please answer all the questions in this group.

Site Name	BEU DI 29 BATTERY
Date Release Discovered	04/09/2024
Surface Owner	Federal

Incident Details

Please answer all the questions in this group.

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

Nature and Volume of Release

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

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion Pipeline (Any) Produced Water Released: 18 BBL Recovered: 4 BBL Lost: 14 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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.

District I
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 1000 Rio Brazos Rd., Aztec, NM 87410
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District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 2

Action 387960

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 387960
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>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.</i>	

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	<i>Not answered.</i>

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: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 09/27/2024
--	--

District I
1625 N. French Dr., Hobbs, NM 88240
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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 3

Action 387960

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 387960
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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 26 and 50 (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 1000 (ft.) and ½ (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 1000 (ft.) and ½ (mi.)
A subsurface mine	Between 1000 (ft.) and ½ (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	Greater than 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)	600
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	100
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	10
Benzene (EPA SW-846 Method 8021B or 8260B)	50

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	06/05/2024
On what date will (or did) the final sampling or liner inspection occur	06/20/2024
On what date will (or was) the remediation complete(d)	06/20/2024
What is the estimated surface area (in square feet) that will be reclaimed	8359
What is the estimated volume (in cubic yards) that will be reclaimed	1052
What is the estimated surface area (in square feet) that will be remediated	4296
What is the estimated volume (in cubic yards) that will be remediated	440

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.

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QUESTIONS, Page 4

Action 387960

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 387960
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 09/27/2024
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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.

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QUESTIONS, Page 5

Action 387960

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:	5380
	Action Number:	387960
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only

Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.

Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Active tank battery
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	4063
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	602

Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.

Enter the facility ID (##) on which this deferral should be granted	BIG EDDY UNIT D129 [fAPP2123046227]
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True

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: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 09/27/2024
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QUESTIONS, Page 6

Action 387960

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 387960
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	351981
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/17/2024
What was the (estimated) number of samples that were to be gathered	50
What was the sampling surface area in square feet	7606

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	No
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CONDITIONS

Action 387960

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 387960
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	Deferral approved. Deferral of DEF-1 through DEF-7 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	10/22/2024