

Remediation Summary & Soil Closure Request

XTO Energy, Inc.

PLU C2 Frac Pond

Eddy County, New Mexico

Unit Letter "A", Section 11, Township 25 South, Range 30 East

Latitude 32.14977 North, Longitude 103.84655 West

NMOCD Reference No. nAPP2419849771

Prepared By:

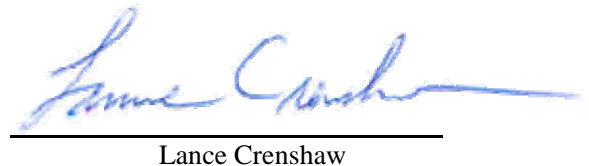
Etech Environmental & Safety Solutions, Inc.

6309 Indiana Ave, Ste. D

Lubbock, Texas 79413



Ben J. Arguijo



Lance Crenshaw



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TABLE OF CONTENTS

	Section
PROJECT INFORMATION.....	1.0
SITE CHARACTERIZATION.....	2.0
CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE.....	3.0
INITIAL SITE ASSESSMENT.....	4.0
REMEDIATION ACTIVITIES SUMMARY.....	5.0
SOIL CLOSURE REQUEST.....	6.0
RESTORATION, RECLAMATION & RE-VEGETATION PLAN.....	7.0
LIMITATIONS.....	8.0
DISTRIBUTION.....	9.0

FIGURES

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

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

1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of XTO Energy, Inc., has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the PLU C2 Frac Pond (henceforth, "Site"). Details of the release are summarized below:

Location of Release Source

Latitude: 32.14977 Longitude: -103.84655

Provided GPS are in WGS84 format.

Site Name:	PLU C2 Frac Pond	Site Type:	Flowline
Date Release Discovered:	6/15/2024	API # (if applicable):	N/A

Unit Letter	Section	Township	Range	County
"A"	11	25S	30E	Eddy

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

Nature and Volume of Release

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 57	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released	Volume/Weight Recovered
Cause of Release: Human error.		

Initial Response

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

Previously submitted portions of the New Mexico Oil Conservation Division (NMOCD) Form C-141 are available in the NMOCD Imaging System.

2.0 SITE CHARACTERIZATION

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (bgs)?	Between 100 and 500 (ft.)
What method was used to determine the depth to groundwater?	NM OSE iWaters Database Search
Did the release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
What is the minimum distance between the closest lateral extents of the release and the following surface areas?	
A continuously flowing watercourse or any other significant watercourse?	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	Between 1,000 (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 1,000 (ft.) and ½ (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?	Greater than 5 (mi.)
A (non-karst) unstable area?	Between 1 and 5 (mi.)
Categorize the risk of this well/site being in a karst geology.	Low
A 100-year floodplain?	Between 1,000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

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

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

* Measured in milligrams per kilogram (mg/kg)

** Environmental Protection Agency

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

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

4.0 INITIAL SITE ASSESSMENT

On July 2, 2024, Etech conducted an initial site assessment. During the initial site assessment, nine (9) hand-augered soil bores (SP 1 through SP 9) were advanced within the release margins in an effort to determine the vertical extent of impacted soil. In addition, four (4) hand-augered soil bores (NH, EH, SH, and WH) were advanced along/outside the release margins to determine the horizontal extent of impacted soil. During the advancement of the hand-augered soil bores, soil samples were collected and field-screened for the presence of Volatile Organic Compounds (VOCs) utilizing olfactory/visual senses and/or concentrations of chloride utilizing a Hach Quantab ® chloride test kit.

Based on field observations and field test data, a total of 26 delineation soil samples (NH @ Surf, NH @ 1', EH @ Surf, EH @ 1', SH @ Surf, SH @ 1', WH @ Surf, WH @ 1', SP 1 @ Surf, SP 1 @ 1', SP 2 @ Surf, SP 2 @ 1', SP 3 @ Surf, SP 3 @ 1', SP 4 @ Surf, SP 4 @ 1', SP 5 @ Surf, SP 5 @ 1', SP 6 @ Surf, SP 6 @ 1', SP 7 @ Surf, SP 7 @ 1', SP 8 @ Surf, SP 8 @ 1', SP 9 @ Surf, and SP 9 @ 1') were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, the vertical extent of impacted soil was adequately defined and did not extend beyond one (1) foot bgs in the areas characterized by sample points SP 1, SP 2, SP 3, SP 5, and SP 8. The horizontal extent of impacted soil was adequately defined in the area characterized by sample point NH; however, additional horizontal delineation and/or excavation was required in the areas characterized by sample points EH and WH. Soil was not impacted above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards in the areas characterized by sample points SP 4, SP 6, SP 7, or SP 9. The chloride contamination observed in soil sample SH @ Surface is believed to be unrelated to the subject release due to the location of the sample point relative to the point of release and the inferred affected area.

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

5.0 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?	7/12/2024	
On what date will (or did) the final sampling or liner inspection occur?	7/24/2024	
On what date will (or was) the remediation complete(d)?	7/30/2024	
What is the total surface area (sq. ft.) in need of or that will <i>eventually</i> be reclaimed?	0	
What is the total volume (cy) in need of or that will <i>eventually</i> be reclaimed?	0	
What was the total surface area (sq. ft.) that has or will be remediated?	12,451	
What was the total volume (cy) that has or will be remediated?	1,612	
This remediation utilized the following processes to remediate/reduce contaminants:		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Soil Vapor Extraction	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Ground Water Abatement pursuant to 19.15.30 NMAC	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Other (Non-listed remedial process)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Which OCD approved facility was or will be used for off-site disposal?	R360 Red Bluff Facility	
NMOCD Disposal Facility ID?	Texas	
Summarize any additional remediation activities not included by answers above.	See below	

On July 12, 2024, Etech commenced remediation activities at the Site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a chloride test kit were utilized to field-screen the horizontal and vertical extent of impacted soil and to guide the excavation. The sidewalls and floor of the excavation were advanced until field tests and field observations suggested that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards. Representative five-point composite confirmation soil samples were collected 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 Observed Concentration (mg/kg)	Sample ID	Sample Date	Sample Depth (ft bgs)	Soil Status
Chloride	17,600	SP 2 @ Surf	7/2/2024	0	Excavated
TPH	39.3	SP 2 @ Surf	7/2/2024	0	Excavated
GRO+DRO	10.1	SP 2 @ Surf	7/2/2024	0	Excavated
BTEX	<0.300	All submitted soil samples	7/2, 7/18, 7/23 & 7/24/2024	0 - 4	In-Situ & Excavated
Benzene	<0.050	All submitted soil samples	7/2, 7/18, 7/23 & 7/24/2024	0 - 4	In-Situ & Excavated

Please reference Table 1 for additional information.

On July 18, 2024, Etech collected 31 confirmation soil samples (FL 1 @ 4' through FL 28 @ 2', NW 1, WW 1, and WW 2) 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 method detection limits (MDL). Chloride concentrations ranged from 16.0 mg/kg in soil samples FL 2 @ 4', FL 3 @ 4', FL 5 @ 4', FL 6 @ 4', FL 11 @ 4', and FL 13 @ 4' to 224 mg/kg in soil sample FL 20 @ 4'.

On July 23, 2024, Etech collected 33 confirmation soil samples (FL-29 @ 4' through FL-56 @ 2', EW-1, EW-2, EW-3, SW-1, and SW-2) 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 16.0 mg/kg in soil sample EW-2 to 288 mg/kg in soil sample FL-34 @ 2'.

On July 24, 2024, Etech collected six (6) confirmation soil samples (FL-57 @ 4' through FL-60 @ 4', NW 2, 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, 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 32.0 mg/kg in soil samples FL-57 @ 4' and WW 3 to 96.0 mg/kg in soil sample NW 2.

The final dimensions of the excavated area were approximately 106 to 132 feet in length, 60 to 75 feet in width, and one (1) to four (4) feet in depth. During the course of remediation activities, Etech transported approximately 1,612 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 1,596 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 3B, "Sample Location Map - Excavation". Soil chemistry data is summarized in Table 1. Field data is provided in Appendix B. General photographs of the Site are provided in Appendix C. Laboratory analytical reports are provided in Appendix D. Copies of all regulatory correspondence are provided in Appendix E.

6.0 SOIL CLOSURE REQUEST

Requesting a deferral of remediation closure due date with the approval of this submission?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Requesting a remediation closure approval with this submission?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Have the lateral and vertical extents of contamination been fully delineated?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Was this release entirely contained within a lined containment area?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the site's existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
What was the total surface area (sq. ft.) remediated?	12,451	
What was the total volume (cy) remediated?	1,612	

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

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

7.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste containing earthen material with concentrations of less than 600 mg/kg chloride, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg benzene?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Requesting a reclamation approval with this submission?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Requesting a restoration complete approval with this submission?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
What was the total surface area (in square feet) reclaimed?	12,451	
What was the total volume (in cubic yards) reclaimed?	1,568	

On July 24, 2024, a 5-point composite soil sample (Backfill Sample) 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 July 24 through July 30, 2024, upon receiving laboratory analytical results from confirmation soil samples, the excavated area was backfilled with the stockpiled material (characterized by soil sample Backfill Sample) 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 an active frac pond facility and did not impact the adjacent pasture. Final 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.

8.0 LIMITATIONS

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

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

9.0 DISTRIBUTION

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

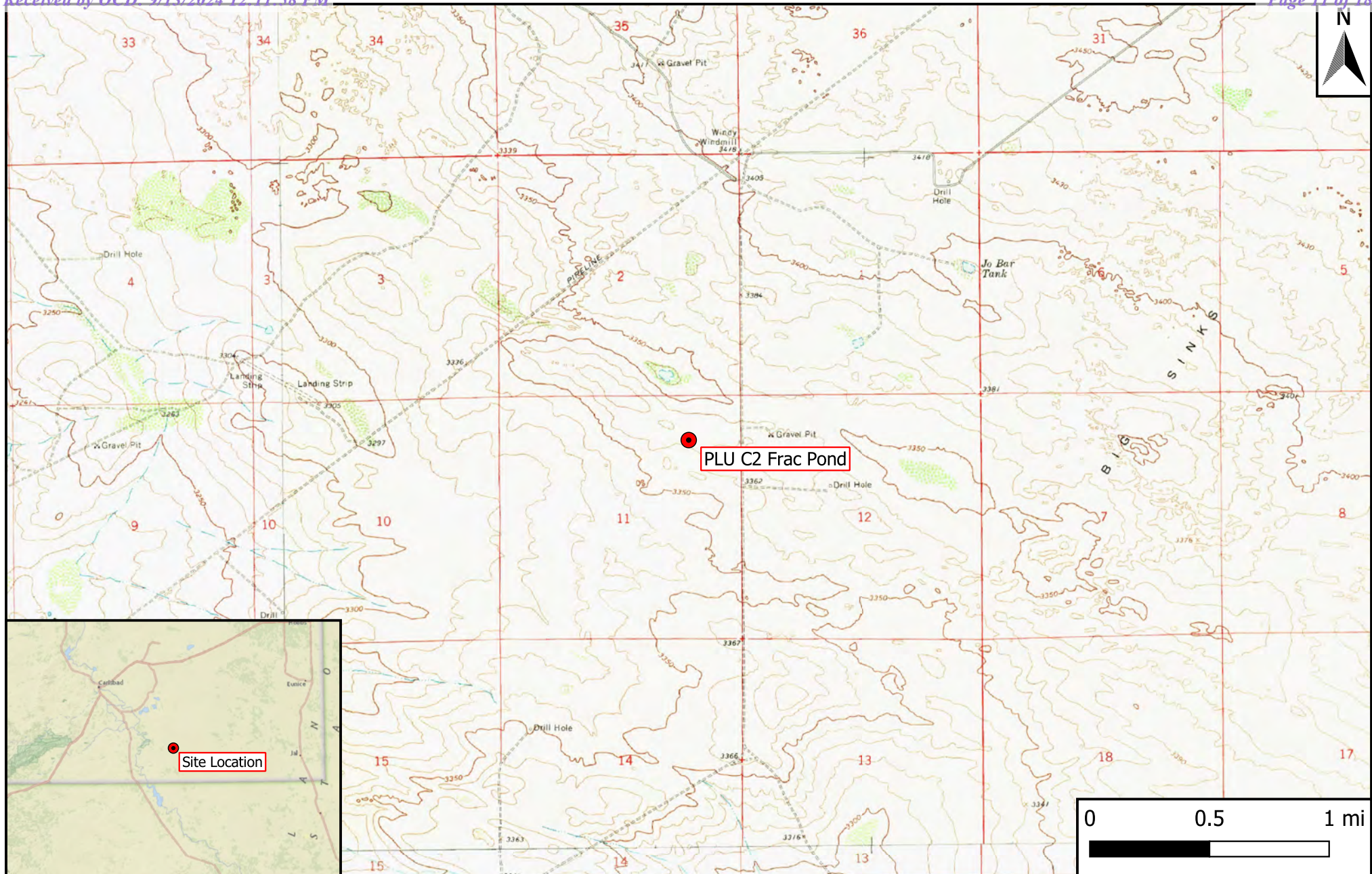
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 2
811 S. First Street
Artesia, NM 88210

United States Department of the Interior
Bureau of Land Management
620 E. Greene Street
Carlsbad, NM 88220

(Electronic Submission)

Figure 1

Site Location Map



Legend

- Site Location

Figure 1

Site Location Map
 XTO Energy, Inc.
 PLU C2 Frac Pond
 GPS: 32.14977, -103.84655
 Eddy County, New Mexico



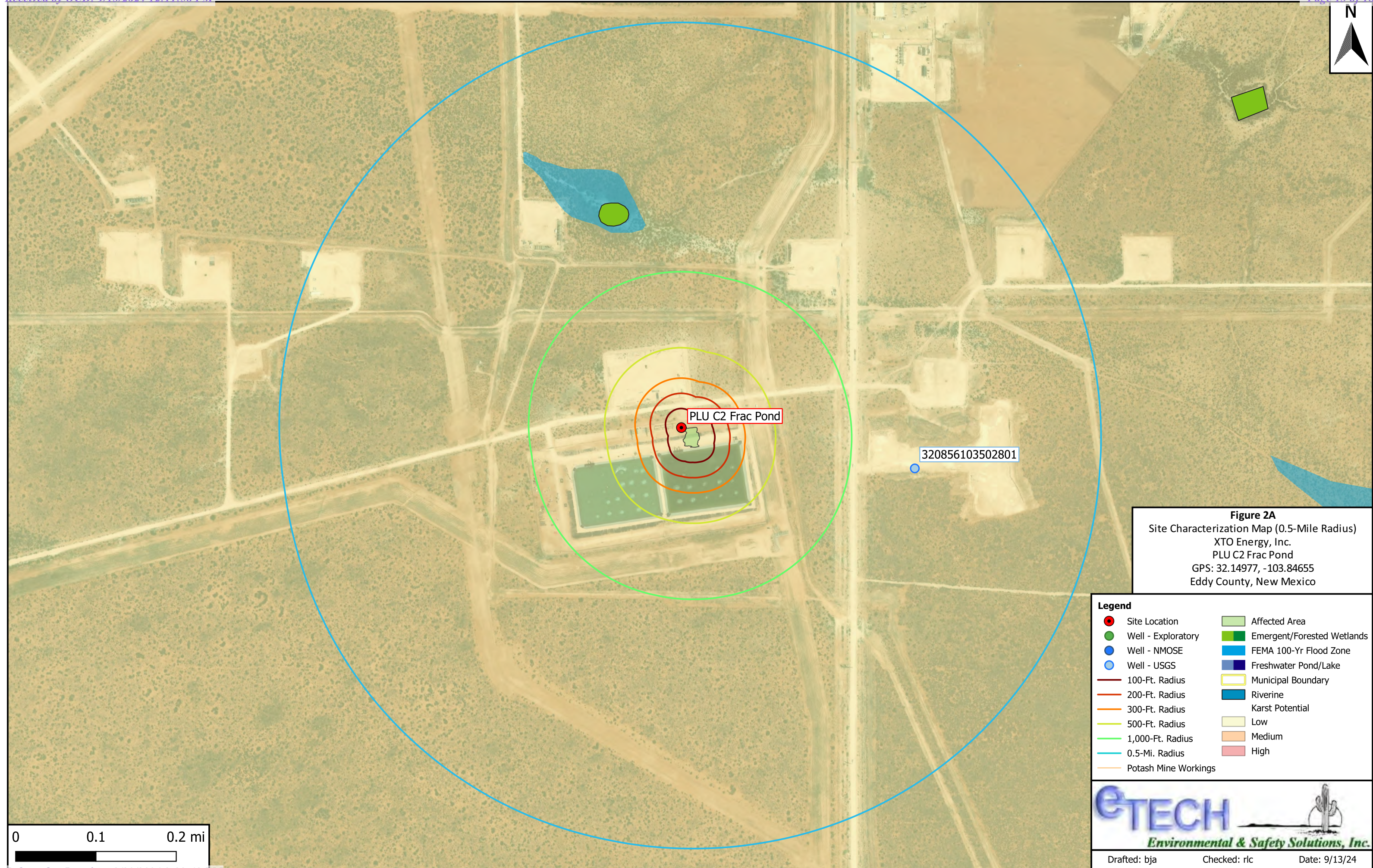
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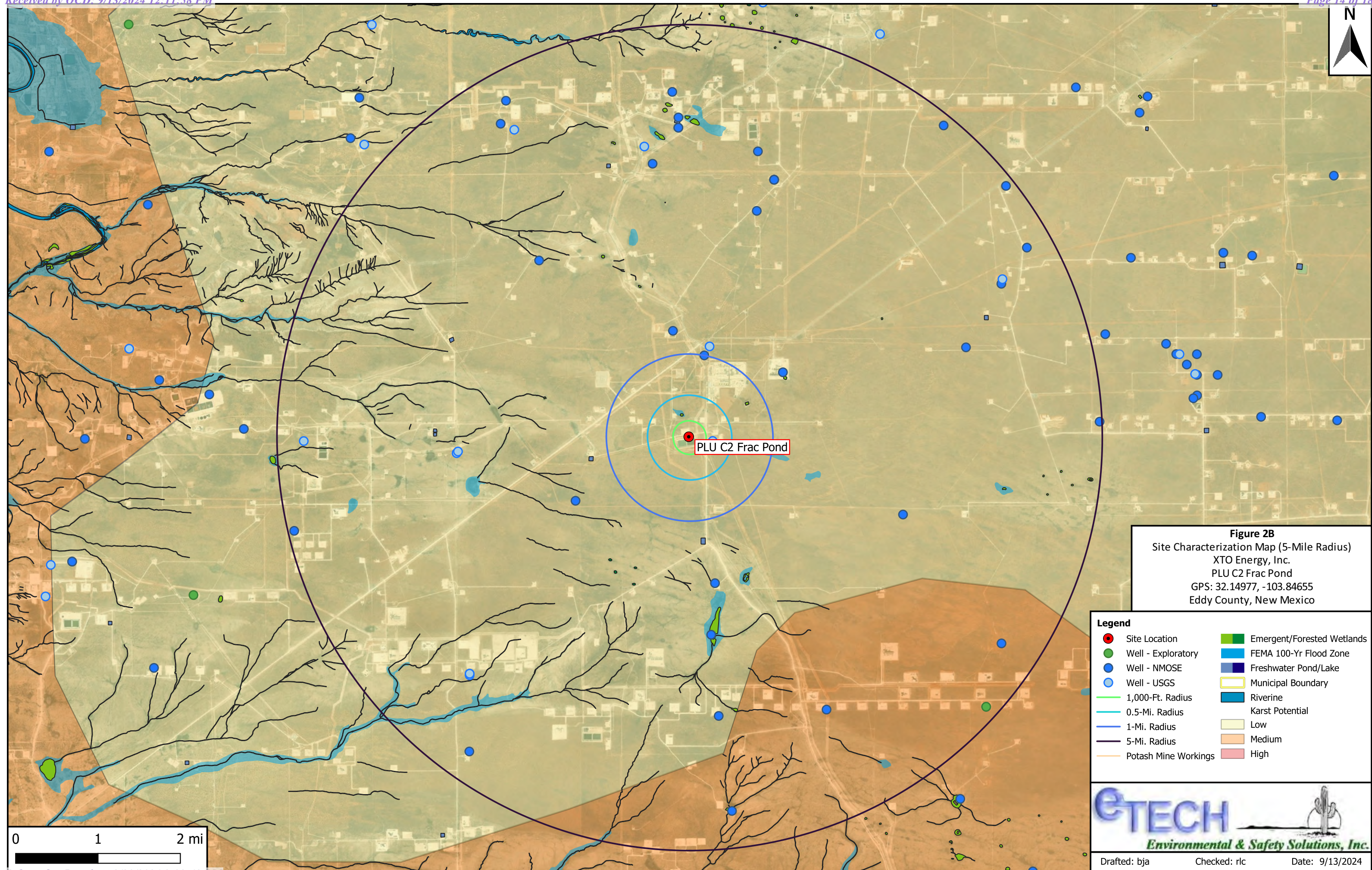
Checked: rlc

Date: 7/24/24

Figures 2A & 2B

Site Characterization Maps





Figures 3A & 3B

Sample Location Maps



Legend

- Affected Area (11,447 ft²)
- Delineation Sample Point

Figure 3A

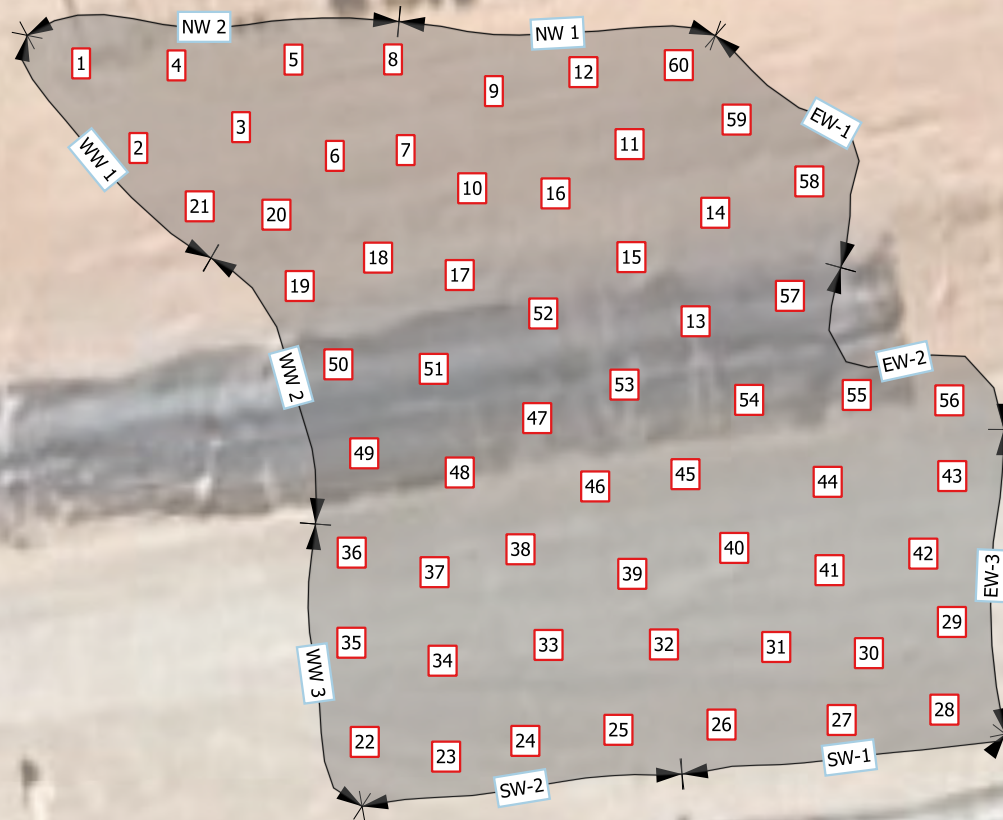
Sample Location Map - Delineation
 XTO Energy, Inc.
 PLU C2 Frac Pond
 GPS: 32.14977, -103.84655
 Eddy County, New Mexico



Drafted: bja

Checked: rlc

Date: 9/13/24



20 0 20 40 ft

Legend

- Excavation Extent (12,451 ft²)
- Composite Floor Sample
- Composite Wall Sample

Figure 3B
 Sample Location Map - Excavation
 XTO Energy, Inc.
 PLU C2 Frac Pond
 GPS: 32.14977, -103.84655
 Eddy County, New Mexico



Drafted: bja

Checked: rlc

Date: 9/13/24

Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1 Concentrations of BTEX, TPH & Chloride in Soil XTO Energy, Inc. PLU C2 Frac Pond NMOCD Ref. #: nAPP2401640490											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
Delineation Samples											
NH @ Surf	7/2/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
NH @ 1'	7/2/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EH @ Surf	7/2/2024	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,120
EH @ 1'	7/2/2024	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SH @ Surf	7/2/2024	0	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,000
SH @ 1'	7/2/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
WH @ Surf	7/2/2024	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,120
WH @ 1'	7/2/2024	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SP 1 @ Surf	7/2/2024	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,740
SP 1 @ 1'	7/2/2024	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
SP 2 @ Surf	7/2/2024	0	Excavated	<0.050	<0.300	<10.0	10.1	10.1	29.2	39.3	17,600
SP 2 @ 1'	7/2/2024	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
SP 3 @ Surf	7/2/2024	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,530
SP 3 @ 1'	7/2/2024	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SP 4 @ Surf	7/2/2024	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SP 4 @ 1'	7/2/2024	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SP 5 @ Surf	7/2/2024	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,040
SP 5 @ 1'	7/2/2024	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SP 6 @ Surf	7/2/2024	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
SP 6 @ 1'	7/2/2024	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SP 7 @ Surf	7/2/2024	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SP 7 @ 1'	7/2/2024	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SP 8 @ Surf	7/2/2024	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,460
SP 8 @ 1'	7/2/2024	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
SP 9 @ Surf	7/2/2024	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
SP 9 @ 1'	7/2/2024	1	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
Excavation Samples											
FL 1 @ 4'	7/18/2024	4	In-Situ	<10.0	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 2 @ 4'	7/18/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 3 @ 4'	7/18/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 4 @ 4'	7/18/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 5 @ 4'	7/18/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 6 @ 4'	7/18/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 7 @ 4'	7/18/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 8 @ 4'	7/18/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 9 @ 4'	7/18/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 10 @ 4'	7/18/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 11 @ 4'	7/18/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 12 @ 4'	7/18/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 13 @ 4'	7/18/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 14 @ 4'	7/18/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 15 @ 4'	7/18/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 16 @ 4'	7/18/2024	4	In-Situ	<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.

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
XTO Energy, Inc.
PLU C2 Frac Pond
NMOCD Ref. #: nAPP2401640490

NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
FL 17 @ 4'	7/18/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 18 @ 4'	7/18/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 19 @ 4'	7/18/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 20 @ 4'	7/18/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 21 @ 4'	7/18/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 22 @ 2'	7/18/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 23 @ 2'	7/18/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 24 @ 2'	7/18/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 25 @ 2'	7/18/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 26 @ 2'	7/18/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 27 @ 2'	7/18/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 28 @ 2'	7/18/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL-29 @ 4'	7/23/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL-30 @ 4'	7/23/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL-31 @ 2'	7/23/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL-32 @ 3'	7/23/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL-33 @ 2'	7/23/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL-34 @ 2'	7/23/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
FL-35 @ 2'	7/23/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL-36 @ 1'	7/23/2024	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL-37 @ 4'	7/23/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL-38 @ 4'	7/23/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL-39 @ 4'	7/23/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL-40 @ 4'	7/23/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL-41 @ 4'	7/23/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL-42 @ 4'	7/23/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL-43 @ 4'	7/23/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL-44 @ 3'	7/23/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL-45 @ 4'	7/23/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL-46 @ 4'	7/23/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL-47 @ 4'	7/23/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL-48 @ 4'	7/23/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL-49 @ 2'	7/23/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL-50 @ 3'	7/23/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL-51 @ 2'	7/23/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL-52 @ 4'	7/23/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL-53 @ 3'	7/23/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL-54 @ 4'	7/23/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL-55 @ 3'	7/23/2024	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL-56 @ 2'	7/23/2024	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL-57 @ 4'	7/24/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL-58 @ 4'	7/24/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL-59 @ 4'	7/24/2024	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL-60 @ 4'	7/24/2024	4	In-Situ	<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.

Table 1 Concentrations of BTEX, TPH & Chloride in Soil XTO Energy, Inc. PLU C2 Frac Pond NMOCD Ref. #: nAPP2401640490											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
NW 1	7/18/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
NW 2	7/24/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
EW-1	7/23/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
EW-2	7/23/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
EW-3	7/23/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SW-1	7/23/2024	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
SW-2	7/23/2024	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
WW 1	7/18/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WW 2	7/18/2024	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
WW 3	7/24/2024	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
Backfill Sample											
Backfill Sample	7/24/2024	N/A	Backfill	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0

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

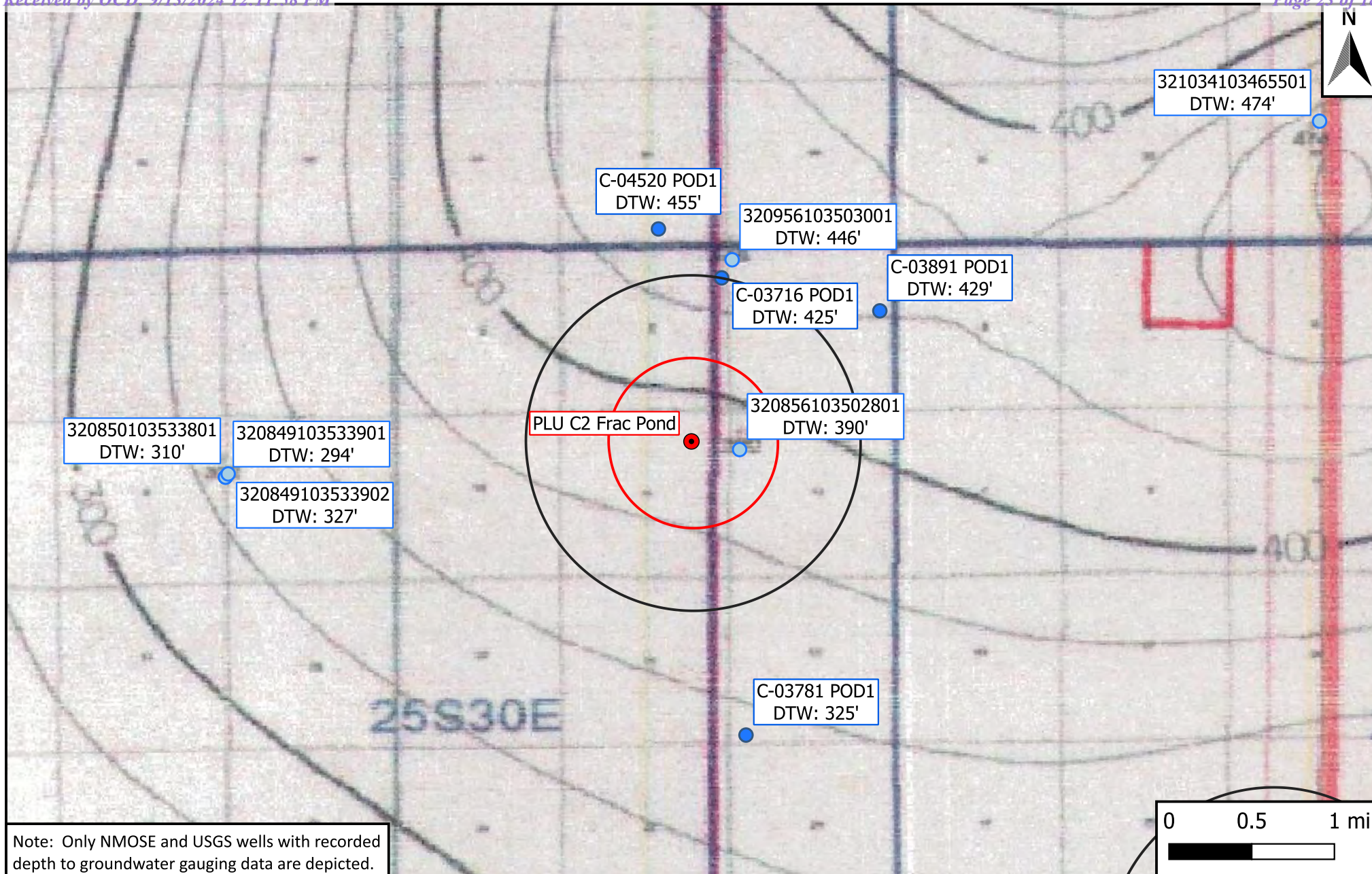
Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Red Border with Shading: Highest observed concentration.

Appendix A

Depth to Groundwater Information



Legend

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

Figure 4

Inferred Depth to Groundwater Map
 XTO Energy, Inc.
 PLU C2 Frac Pond
 GPS: 32.14977, -103.84655
 Eddy County, New Mexico



Drafted: bja


Checked: rlc

Date: 9/12/24

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	C 03716 POD1	SE	NE	NE	02	25S	30E	609069.4	3559211.3	

* UTM location was derived from PLSS - see Help

Driller License:	1229	Driller Company:	CARTER'S WELL DRILLING
Driller Name:	RICHARD CARTER		
Drill Start Date:	2014-02-05	Drill Finish Date:	2014-03-03
Log File Date:	2014-03-12	PCW Rcv Date:	Source: Shallow
Pump Type:	Pipe Discharge Size:	Estimated Yield:	50
Casing Size:	Depth Well:	600	Depth Water: 425

Water Bearing Stratifications:

Top	Bottom	Description
442	600	Sandstone/Gravel/Conglomerate

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.



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER
www.ose.state.nm.us

12-16-2010 12:56:16 PM

STATE ENGINEER'S OFFICE

1. GENERAL AND WELL LOCATION	POD NUMBER (WELL NUMBER) C03716				OSE FILE NUMBER(S) C03716			
	WELL OWNER NAME(S) BoPco LP				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 3104 EAST GREEN				CITY Carlsbad		STATE NM	ZIP 88220
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 09	SECONDS 50.76	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS West of Buck Jackson Rd, in center of Sub Station								
2. OPTIONAL	(2.5 ACRE) 1/4	(10 ACRE) 1/4	(40 ACRE) 1/4	(160 ACRE) 1/4	SECTION 2	TOWNSHIP 25	RANGE 30	
	SUBDIVISION NAME				LOT NUMBER	BLOCK NUMBER	UNIT/TRACT	
	HYDROGRAPHIC SURVEY				MAP NUMBER		TRACT NUMBER	
3. DRILLING INFORMATION	LICENSE NUMBER WD-1229	NAME OF LICENSED DRILLER Richard Carter				NAME OF WELL DRILLING COMPANY Carter Well Drilling		
	DRILLING STARTED 2/5/2014	DRILLING ENDED 3/3/2014	DEPTH OF COMPLETED WELL (FT) Plugged		BORE HOLE DEPTH (FT) 600	DEPTH WATER FIRST ENCOUNTERED (FT) 442		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) 425		
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD <input type="checkbox"/> ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (FT) FROM TO		BORE HOLE DIA. (IN)	CASING MATERIAL	CONNECTION TYPE (CASING)	INSIDE DIA. CASING (IN)	CASING WALL THICKNESS (IN)	SLOT SIZE (IN)
	442 600		158	Red sandstone				
4. WATER BEARING STRATA	DEPTH (FT) FROM TO		THICKNESS (FT)	FORMATION DESCRIPTION OF PRINCIPAL WATER-BEARING STRATA (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)				YIELD (GPM)
	442 600		158	Red sandstone				50
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA						TOTAL ESTIMATED WELL YIELD (GPM) 50		

FOR OSE INTERNAL USE

WELL RECORD & LOG (Version 6/9/08)

FILE NUMBER C-3716	POD NUMBER 2-2-4	TRN NUMBER 539192	PAGE 1 OF 2
LOCATION 25S, 30E, 02			

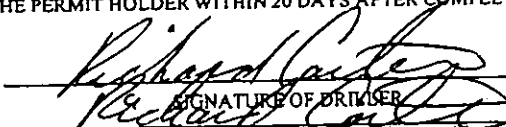
STATE ENGINEER
OFFICE
2014 MAR

5. SEAL AND PUMP	TYPE OF PUMP:		<input type="checkbox"/> SUBMERSIBLE <input type="checkbox"/> TURBINE		<input type="checkbox"/> JET <input type="checkbox"/> CYLINDER	<input checked="" type="checkbox"/> NO PUMP - WELL NOT EQUIPPED <input type="checkbox"/> OTHER - SPECIFY:	2
	ANNULAR SEAL AND GRAVEL PACK	DEPTH (FT)		BORE HOLE DIA. (IN)	MATERIAL TYPE AND SIZE	AMOUNT (CUBIC FT)	METHOD OF PLACEMENT
		FROM	TO				
		0	425	8 3/4	Cement & water	252	TREMIER
		425	600	8 3/4	Silica Sand	73.5	TREMIER

6. GEOLOGIC LOG OF WELL	DEPTH (FT)		THICKNESS (FT)	COLOR AND TYPE OF MATERIAL ENCOUNTERED (INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES)	WATER BEARING?	
	FROM	TO			<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
	0	2	2	white Caliche	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
	2	4	2	Red Sand	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
	4	18	14	white Caliche	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
	18	120	102	Red Sand	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
	120	168	48	Red Clay	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
	168	263	95	Red Sand stone	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
	263	266	3	Red Clay	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
	266	406	146	Red sandstone	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
	406	416	10	Red Clay	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
	416	442	26	gray Clay	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
	442	600		Red sandstone	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

ATTACH ADDITIONAL PAGES AS NEEDED TO FULLY DESCRIBE THE GEOLOGIC LOG OF THE WELL

7. TEST & ADDITIONAL INFO	WELL TEST	METHOD: <input type="checkbox"/> BAILER <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> OTHER - SPECIFY: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	ADDITIONAL STATEMENTS OR EXPLANATIONS:	

8. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 20 DAYS AFTER COMPLETION OF WELL DRILLING:  SIGNATURE OF DRIVER	3/10/2014 DATE
--------------	---	-------------------

FOR OSE INTERNAL USE

WELL RECORD & LOG (Version 6/9/08)

FILE NUMBER C-3716

POD NUMBER

TRN NUMBER 539192

LOCATION 25S.30E.02

2-2-4


PAGE 2 OF 2

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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
	C 03891 POD1	SE	SE	NE	01	25S	30E	610608.0	3558890.5	

* UTM location was derived from PLSS - see Help

Driller License:	1723	Driller Company:	SBQ2, LLC DBA STEWART BROTHERS DRILLING CO.			
Driller Name:	RANDY STEWART					
Drill Start Date:	2015-11-10	Drill Finish Date:	2015-11-14		Plug Date:	
Log File Date:	2015-12-04	PCW Rcv Date:			Source: Shallow	
Pump Type:		Pipe Discharge Size:			Estimated Yield: 33	
Casing Size:	6.13	Depth Well:	635		Depth Water: 429	

Water Bearing Stratifications:

Top	Bottom	Description
420	450	Sandstone/Gravel/Conglomerate
450	460	Sandstone/Gravel/Conglomerate
460	490	Sandstone/Gravel/Conglomerate
490	500	Sandstone/Gravel/Conglomerate
500	530	Sandstone/Gravel/Conglomerate
530	635	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
460	635

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.

9/12/24 1:10 PM MST

Point of Diversion Summary


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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 Nbr	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map
20E1C	C 04520 POD1	SW	SW	SE	35	24S	30E	608454.0	3559687.6	

* UTM location was derived from PLSS - see Help

Driller License:	1626	Driller Company:	TAYLOR DRILLING		
Driller Name:	ROY TAYLOR				
Drill Start Date:	2021-06-01	Drill Finish Date:	2021-06-09	Plug Date:	
Log File Date:	2021-07-06	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	8
Casing Size:	4.50	Depth Well:	630	Depth Water:	455

Water Bearing Stratifications:

Top	Bottom	Description
450	470	Limestone/Dolomite/Chalk
470	600	Sandstone/Gravel/Conglomerate
600	630	Sandstone/Gravel/Conglomerate

Casing Perforations:

Top	Bottom
590	630

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.



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us


1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-04520 POD-1		WELL TAG ID NO. 20E1C		OSE FILE NO(S) C-04520			
	WELL OWNER NAME(S) Nathan Brady : Double E Pipeline, LLC				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 910 Louisiana St Ste 4200				CITY Houston	STATE TX	ZIP 77002	
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 10	SECONDS 6.4	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 103	50	59	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW,SW,SE Sec 35 T 24 R 30E								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1626		NAME OF LICENSED DRILLER Roy Taylor			NAME OF WELL DRILLING COMPANY Roy Taylor Drilling		
	DRILLING STARTED 6/1/21	DRILLING ENDED 6/9/21	DEPTH OF COMPLETED WELL (FT) 630'		BORE HOLE DEPTH (FT) 650'	DEPTH WATER FIRST ENCOUNTERED (FT) 455'		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) 455'		
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	590'	8 3/4	PVC SDR-17	Quik-loc	4.50	0.25	NA
	590'	630'	8 3/4	PVC SDR-17	Quik-loc	4.50	0.25	.035
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0	20'	8 3/4	cement	6.2	Poured		
	20'	520'	8 3/4	3/8 gravel	154	Poured		
	520'	630'	8 3/4	8/16 silica sand	34	Tremie		

OSE OFF JUL 6 2021 AM 8:31

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO. C-4520-POD1	POD NO. 1	TRN NO. 691027
LOCATION Drink + Sant 24.30.35.334	WELL TAG ID NO. 20E1C	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	8'	8'	Top Soil	Y ✓ N	
	8'	20'	12'	Caliche	Y ✓ N	
	20'	220'	200'	Sand	Y ✓ N	
	220'	270'	50'	Red Clay	Y ✓ N	
	270'	420'	150'	Sand	Y ✓ N	
	420'	450'	30'	Red Clay	Y ✓ N	
	450'	470'	20'	Limestone	✓ Y N	
	470'	600'	130'	Sand	✓ Y N	
	600'	640'	40'	Sand and gravel	✓ Y N	
	640'	650'	10'	Red Clay	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
<input checked="" type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:						
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: Well will make about 8 to 10 gpm					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:					
6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.					
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME				6/28/21 DATE	

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/2019)

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



USGS Home
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National Water Information System: Web Interface

USGS Water Resources

Data Category:
Groundwater

Geographic Area:
United States

GO

[Click for News Bulletins](#)

Groundwater levels for the Nation

Important: [Next Generation Monitoring Location Page](#)**Search Results -- 1 sites found**

Agency code = usgs

site_no list =

- 320856103502801

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload**USGS 320856103502801 25S.30E.12.113211**

Eddy County, New Mexico

Latitude 32°08'56", Longitude 103°50'28" NAD27

Land-surface elevation 3,371 feet above NAVD88

The depth of the well is 482 feet below land surface.

This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) 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
1959-03-25		D	72019	391.30			1	Z			A
1983-01-31		D	72019	390.30			1	Z			A
1987-10-20		D	72019	390.41			1	Z			A
1992-11-06		D	72019	390.41			1	S			A
1998-01-28		D	72019	390.08			1	S			A

Explanation

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

- Questions or Comments
- Help
- Data Tips
- Explanation of terms
- Subscribe for system changes

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

Title: Groundwater for USA: Water Levels

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



Page Contact Information: [USGS Water Data Support Team](#)
Page Last Modified: 2024-09-12 14:53:51 EDT
0.32 0.22 nadww01

Appendix B

Field Data



Sample Log

Date: _____

Project: PLU C2 Frac Pond

Project Number: 20698 Latitude: 32.14977 Longitude: -103.84655

[illegible]

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

Project: PLU C2 Frac Pond

Project Number: 20698 Latitude: 32.14977 Longitude: -103.84655

Sample ID	PID/Odor	Chloride Conc.	GPS
WW #1	-	1028	
WW #1	-	752	
WW #1	-	580	
SW #1	-	1568	
EW #1	-	692	
FL test @ 1'	-	952	
FL test @ 1'	-	816	
FL-1 @ 2'	-	692	
FL-2 @ 2'	-	580	
FL-3 @ 2'	-	632	
FL-4 @ 2'	-	816	
FL-5 @ 2'	-	632	
FL-6 @ 2'	-	916	
FL-7 @ 2'	-	824	
FL-8 @ 2'	-	884	
FL-9 @ 2'	-	1028	
EW-1	-	1276	
FL-10 @ 2'	-	692	
FL-11 @ 2'	-	1028	
FL-1 @ 3'	-	872	
FL-3 @ 3'	-	348	
FL-4 @ 3'	-	872	
FL-5 @ 3'	-	804	
FL-4 @ 4'	-	872	
FL-5 @ 4'	-	572	
FL-6 @ 3'	-	572	
FL-7 @ 3'	-	747	
FL-7 @ 4'	-	572	
FL-8 @ 3'	-	692	
FL-9 @ 3'	-	816	
FL-10 @ 3'	-	624	
FL-11 @ 3'	-	684	
WW-1	-	384	
NW-1	-	520	
FL-1 @ 4'		624	
FL-3 @ 4'		572	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

Project: PLU C2 Fmc PondProject Number: 20698 Latitude: 32.14977 Longitude: -103.84655

Sample ID	PID/Odor	Chloride Conc.	GPS
FL-6 @ 4'	-	572	
FL-8 @ 4'	-	684	
FL-9 @ 4'	-	572	
FL-10 @ 4'	-	572	
FL-11 @ 4'	-	580	
FL-12 @ 2'	-	952	
FL-13 @ 2'	-	884	
FL-14 @ 2'	-	816	
FL-15 @ 2'	-	872	
FL-16 @ 2'	-	752	
FL-17 @ 2'	-	692	
FL-18 @ 2'	-	1028	
FL-19 @ 2'	-	952	
FL-20 @ 2'	-	872	
FL-21 @ 2'	-	624	
FL-12 @ 3'	-	872	
FL-13 @ 3'	-	692	
FL-14 @ 3'	-	752	
FL-15 @ 3'	-	684	
FL-16 @ 3'	-	684	
FL-16 @ 4'	-	520	
FL-17 @ 3'	-	747	
FL-17 @ 4'	-	384	
FL-18 @ 3'	-	872	
FL-18 @ 4'	-	572	
FL-19 @ 3'	-	692	
FL-20 @ 3'	-	804	
FL-21 @ 3'	-	816	
FL-19 @ 4'	-	572	
FL-20 @ 4'	-	940	
FL-21 @ 4'	-	684	
FL-22 @ 1'	-	1168	
FL-23 @ 1'	-	684	
FL-24 @ 1'	-	572	
FL-25 @ 1'	-	1088	
FL-26 @ 1'	-	872	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

Project: PLU C2 frac Pond

Project Number: 20698Latitude: 32.14977Longitude: -103.84655

Sample ID	PID/Odor	Chloride Conc.	GPS
FL-27 @ 1'	-	744	
FL-28 @ 1'	-	384	
FL-29 @ 2'	-	276	
FL-23 @ 2'	-	572	
FL-25 @ 2'	-	472	
FL-26 @ 2'	-	348	
FL-27 @ 2'	-	572	
FL-29 @ 1'	-	744	
FL-30 @ 1'	-	816	
FL-31 @ 1'	-	684	
FL-32 @ 1'	-	1256	
FL-33 @ 1'	-	872	
FL-34 @ 1'	-	684	
FL-35 @ 1'	-	744	
FL-29 @ 2'	-	684	
FL-30 @ 2'	-	624	
FL-31 @ 2'	-	572	
FL-32 @ 2'	-	1088	
FL-33 @ 2'	-	572	
FL-34 @ 2'	-	428	
FL-35 @ 2'	-	384	
FL-29 @ 3'	-	624	
FL-30 @ 3'	-	1612	
FL-32 @ 3'	-	384	
FL-29 @ 4'	-	1256	
FL-30 @ 4'	-	1256	
FL-36 @ 1'	-	1256	
FL-37 @ 1'	-	612	
FL-38 @ 1'	-	1012	
FL-39 @ 1'	-	1256	
FL-37 @ 2'	-	1088	
FL-38 @ 2'	-	1256	
FL-37 @ 3'	-	1012	
FL-38 @ 3'	-	1256	
FL-37 @ 4'	-		
FL-38 @ 4'	-		

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

 Project: _____
 Project Number: _____ Latitude: _____ Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
FL-39 @ 2'	-	1012	
FL-39 @ 3'	-	1088	
FL-39 @ 4'	-	872	
FL-40 @ 1'	-	1088	
FL-40 @ 2'	-	1052	
FL-40 @ 3'	-	872	
FL-40 @ 4'	-	872	
FL-41 @ 1'	-	1088	
FL-41 @ 2'	-	872	
FL-41 @ 3'	-	872	
FL-41 @ 4'	-	872	
FL-42 @ 1'	-	684	
FL-42 @ 2'	-	348	
FL-43 @ 1'	-	801	
FL-44 @ 1'	-	1168	
FL-45 @ 1'	-	1012	
FL-46 @ 1'	-	1766	
FL-47 @ 1'	-	1344	
FL-48 @ 1'	-	1344	
FL-49 @ 1'	-	1256	
FL-49 @ 2'	-	572	
FL-43 @ 2'	-	744	
FL-43 @ 3'	-	1256	
FL-43 @ 4'	-	1012	
FL-44 @ 2'	-	1256	
FL-44 @ 3'	-	520	
FL-45 @ 2'	-	872	
FL-45 @ 3'	-	872	
FL-45 @ 4'	-	1256	
FL-46 @ 2'	-	1012	
FL-46 @ 3'	-	940	
FL-46 @ 4'	-	872	
FL-47 @ 2'	-	1256	
FL-47 @ 3'	-	1012	
FL-47 @ 4'	-	1256	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

Project:

Project Number: _____ Latitude: _____ Longitude: _____

[illegible]

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

Appendix C

Photographic Log

Photographic Log

Photo Number: 1	
Photo Direction: East-Northeast	
Photo Description: View of the affected area.	

Photo Number: 2	
Photo Direction: East-Northeast	
Photo Description: View of the affected area.	

Photographic Log

Photo Number: 3	 <p>Jul 24, 2024 at 1:08:22 PM +32.149502,-103.846030 Loving NM 88256 United States</p>
Photo Direction: West	
Photo Description: View of the excavated area.	

Photo Number: 4	 <p>Jul 24, 2024 at 1:08:25 PM +32.149502,-103.846030 Loving NM 88256 United States</p>
Photo Direction: Northwest	
Photo Description: View of the excavated area.	


Photographic Log

Photo Number: 5	<div>Jul 24, 2024 at 1:09:46 PM +32.149462,-103.846376 Loving NM 88256 United States</div> 
Photo Direction: Northeast	
Photo Description: View of the excavated area.	

Photo Number: 6	<div>Jul 24, 2024 at 1:10:10 PM +32.149551,-103.846442 Loving NM 88256 United States</div> 
Photo Direction: East	
Photo Description: View of the excavated area.	

Photographic Log

Photo Number: 7	 <p>Jul 24, 2024 at 1:10:50 PM +32.149831, -103.846540 Loving NM 88256 United States</p>
Photo Direction: Southeast	
Photo Description: View of the excavated area.	

Photo Number: 8	 <p>Jul 24, 2024 at 1:11:35 PM +32.149821, -103.846185 Loving NM 88256 United States</p>
Photo Direction: Southwest	
Photo Description: View of the excavated area.	

Photographic Log


Photo Number: 9	 <p>Jul 24, 2024 at 1:11:32 PM +32.149821,-103.846185 Loving NM 88256 United States</p>
Photo Direction: West	
Photo Description: View of the excavated area.	

Photo Number: 10	 <p>Jul 30, 2024 at 1:40:41 PM +32.149570,-103.845916 Loving NM 88256 United States</p>
Photo Direction: West	
Photo Description: View of the remediated area following backfilling and regrading.	

Photographic Log


Photo Number: 11	 <p>Jul 30, 2024 at 1:41:08 PM +32.149670,-103.845925 Loving NM 88256 United States</p>
Photo Direction: West	
Photo Description: View of the remediated area following backfilling and regrading.	

Photo Number: 12	 <p>Jul 30, 2024 at 1:42:07 PM +32.149462,-103.846062 Loving NM 88256 United States</p>
Photo Direction: Northwest	
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

July 10, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: PLU C2 FRAC POND

Enclosed are the results of analyses for samples received by the laboratory on 07/03/24 8:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/03/2024
 Reported: 07/10/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO - 32.14977-103.84655

Sampling Date: 07/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 1 @ SURF (H243995-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	1.96	98.1	2.00	2.36	
Toluene*	<0.050	0.050	07/09/2024	ND	1.96	97.8	2.00	2.20	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.09	104	2.00	1.55	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.15	102	6.00	1.78	
Total BTX	<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1740	16.0	07/08/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	200	99.8	200	3.41	
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	193	96.5	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 99.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 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: 07/03/2024
 Reported: 07/10/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO - 32.14977-103.84655

Sampling Date: 07/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 2 @ SURF (H243995-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2024	ND	1.96	98.1	2.00	2.36		
Toluene*	<0.050	0.050	07/09/2024	ND	1.96	97.8	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.09	104	2.00	1.55		
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.15	102	6.00	1.78		
Total BTEX	<0.300	0.300	07/09/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	17600	16.0	07/08/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	200	99.8	200	3.41	
DRO >C10-C28*	10.1	10.0	07/08/2024	ND	193	96.5	200	4.71	
EXT DRO >C28-C36	29.2	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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

Received: 07/03/2024
 Reported: 07/10/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO - 32.14977-103.84655

Sampling Date: 07/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 3 @ SURF (H243995-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2024	ND	1.96	98.1	2.00	2.36		
Toluene*	<0.050	0.050	07/09/2024	ND	1.96	97.8	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.09	104	2.00	1.55		
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.15	102	6.00	1.78		
Total BTEx	<0.300	0.300	07/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6530	16.0	07/08/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	200	99.8	200	3.41	
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	193	96.5	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

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

Received: 07/03/2024
 Reported: 07/10/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO - 32.14977-103.84655

Sampling Date: 07/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 4 @ SURF (H243995-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2024	ND	1.96	98.1	2.00	2.36		
Toluene*	<0.050	0.050	07/09/2024	ND	1.96	97.8	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.09	104	2.00	1.55		
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.15	102	6.00	1.78		
Total BTEX	<0.300	0.300	07/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/08/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	200	99.8	200	3.41	
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	193	96.5	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Analytical Results For:

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

Received: 07/03/2024
 Reported: 07/10/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO - 32.14977-103.84655

Sampling Date: 07/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 5 @ SURF (H243995-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2024	ND	1.96	98.1	2.00	2.36		
Toluene*	<0.050	0.050	07/09/2024	ND	1.96	97.8	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.09	104	2.00	1.55		
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.15	102	6.00	1.78		
Total BTEX	<0.300	0.300	07/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1040	16.0	07/08/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	200	99.8	200	3.41	
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	193	96.5	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Analytical Results For:

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

Received: 07/03/2024
 Reported: 07/10/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO - 32.14977-103.84655

Sampling Date: 07/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 6 @ SURF (H243995-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2024	ND	1.96	98.1	2.00	2.36		
Toluene*	<0.050	0.050	07/09/2024	ND	1.96	97.8	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.09	104	2.00	1.55		
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.15	102	6.00	1.78		
Total BTEx	<0.300	0.300	07/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	07/08/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	200	99.8	200	3.41	
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	193	96.5	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

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 HOBBS NM, 88240
 Fax To:

Received: 07/03/2024
 Reported: 07/10/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO - 32.14977-103.84655

Sampling Date: 07/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 7 @ SURF (H243995-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2024	ND	1.96	98.1	2.00	2.36		
Toluene*	<0.050	0.050	07/09/2024	ND	1.96	97.8	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.09	104	2.00	1.55		
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.15	102	6.00	1.78		
Total BTEX	<0.300	0.300	07/09/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/08/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	200	99.8	200	3.41	
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	193	96.5	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

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

Received: 07/03/2024
 Reported: 07/10/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO - 32.14977-103.84655

Sampling Date: 07/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 8 @ SURF (H243995-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2024	ND	1.96	98.1	2.00	2.36		
Toluene*	<0.050	0.050	07/09/2024	ND	1.96	97.8	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.09	104	2.00	1.55		
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.15	102	6.00	1.78		
Total BTEX	<0.300	0.300	07/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5460	16.0	07/09/2024	ND	480	120	400	14.3	QM-07	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	200	99.8	200	3.41	
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	193	96.5	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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

Received: 07/03/2024
 Reported: 07/10/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO - 32.14977-103.84655

Sampling Date: 07/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 9 @ SURF (H243995-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2024	ND	1.96	98.1	2.00	2.36		
Toluene*	<0.050	0.050	07/09/2024	ND	1.96	97.8	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.09	104	2.00	1.55		
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.15	102	6.00	1.78		
Total BTEX	<0.300	0.300	07/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	07/09/2024	ND	480	120	400	14.3		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	200	99.8	200	3.41	
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	193	96.5	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

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

Received: 07/03/2024
 Reported: 07/10/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO - 32.14977-103.84655

Sampling Date: 07/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NH @ SURF (H243995-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2024	ND	1.96	98.1	2.00	2.36		
Toluene*	<0.050	0.050	07/09/2024	ND	1.96	97.8	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.09	104	2.00	1.55		
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.15	102	6.00	1.78		
Total BTEX	<0.300	0.300	07/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/09/2024	ND	480	120	400	14.3		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	200	99.8	200	3.41	
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	193	96.5	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 94.8 % 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: 07/03/2024
 Reported: 07/10/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO - 32.14977-103.84655

Sampling Date: 07/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EH @ SURF (H243995-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2024	ND	1.96	98.1	2.00	2.36		
Toluene*	<0.050	0.050	07/09/2024	ND	1.96	97.8	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.09	104	2.00	1.55		
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.15	102	6.00	1.78		
Total BTEX	<0.300	0.300	07/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	07/09/2024	ND	480	120	400	14.3		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	200	99.8	200	3.41	
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	193	96.5	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Analytical Results For:

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

Received: 07/03/2024
 Reported: 07/10/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO - 32.14977-103.84655

Sampling Date: 07/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SH @ SURF (H243995-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2024	ND	1.96	98.1	2.00	2.36		
Toluene*	<0.050	0.050	07/09/2024	ND	1.96	97.8	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.09	104	2.00	1.55		
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.15	102	6.00	1.78		
Total BTEX	<0.300	0.300	07/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6000	16.0	07/09/2024	ND	480	120	400	14.3		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	200	99.8	200	3.41	
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	193	96.5	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

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

Received: 07/03/2024
 Reported: 07/10/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO - 32.14977-103.84655

Sampling Date: 07/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WH @ SURF (H243995-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2024	ND	1.96	98.1	2.00	2.36		
Toluene*	<0.050	0.050	07/09/2024	ND	1.96	97.8	2.00	2.20		
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.09	104	2.00	1.55		
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.15	102	6.00	1.78		
Total BTEX	<0.300	0.300	07/09/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	07/09/2024	ND	480	120	400	14.3		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	200	99.8	200	3.41	
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	193	96.5	200	4.71	
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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

Received: 07/03/2024
 Reported: 07/10/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO - 32.14977-103.84655

Sampling Date: 07/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 1 @ 1' (H243995-14)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	1.96	98.1	2.00	2.36	
Toluene*	<0.050	0.050	07/09/2024	ND	1.96	97.8	2.00	2.20	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.09	104	2.00	1.55	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.15	102	6.00	1.78	
Total BTEX	<0.300	0.300	07/09/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	07/09/2024	ND	480	120	400	14.3	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	207	104	200	3.09	
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	197	98.7	200	4.01	
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Analytical Results For:

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

Received: 07/03/2024
 Reported: 07/10/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO - 32.14977-103.84655

Sampling Date: 07/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 2 @ 1' (H243995-15)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	1.96	98.1	2.00	2.36	
Toluene*	<0.050	0.050	07/09/2024	ND	1.96	97.8	2.00	2.20	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.09	104	2.00	1.55	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.15	102	6.00	1.78	
Total BTEX	<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	07/09/2024	ND	480	120	400	14.3	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	207	104	200	3.09	
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	197	98.7	200	4.01	
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Analytical Results For:

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

Received: 07/03/2024
 Reported: 07/10/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO - 32.14977-103.84655

Sampling Date: 07/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 3 @ 1' (H243995-16)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	1.96	98.1	2.00	2.36	
Toluene*	<0.050	0.050	07/09/2024	ND	1.96	97.8	2.00	2.20	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.09	104	2.00	1.55	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.15	102	6.00	1.78	
Total BTEX	<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/09/2024	ND	480	120	400	14.3		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	207	104	200	3.09	
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	197	98.7	200	4.01	
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Analytical Results For:

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

Received: 07/03/2024
 Reported: 07/10/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO - 32.14977-103.84655

Sampling Date: 07/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 4 @ 1' (H243995-17)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	1.96	98.1	2.00	2.36	
Toluene*	<0.050	0.050	07/09/2024	ND	1.96	97.8	2.00	2.20	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.09	104	2.00	1.55	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.15	102	6.00	1.78	
Total BTEX	<0.300	0.300	07/09/2024	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	32.0	16.0	07/09/2024	ND	480	120	400	14.3	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	207	104	200	3.09	
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	197	98.7	200	4.01	
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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Analytical Results For:

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

Received: 07/03/2024
 Reported: 07/10/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO - 32.14977-103.84655

Sampling Date: 07/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 5 @ 1' (H243995-18)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	2.01	101	2.00	3.42	QM-07, QR-03
Toluene*	<0.050	0.050	07/09/2024	ND	2.16	108	2.00	4.76	QM-07, QR-03
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.24	112	2.00	3.58	QM-07, QR-03
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.87	115	6.00	2.66	QM-07, QR-03
Total BTX	<0.300	0.300	07/09/2024	ND					

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

Chloride, SM4500CI-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/09/2024	ND	480	120	400	14.3	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	207	104	200	3.09	
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	197	98.7	200	4.01	
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Analytical Results For:

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

Received: 07/03/2024
 Reported: 07/10/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO - 32.14977-103.84655

Sampling Date: 07/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 6 @ 1' (H243995-19)

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	07/09/2024	ND	2.01	101	2.00	3.42	
Toluene*	<0.050	0.050	07/09/2024	ND	2.16	108	2.00	4.76	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.24	112	2.00	3.58	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.87	115	6.00	2.66	
Total BTEX	<0.300	0.300	07/09/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/09/2024	ND	480	120	400	14.3		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	207	104	200	3.09	
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	197	98.7	200	4.01	
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/03/2024
 Reported: 07/10/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO - 32.14977-103.84655

Sampling Date: 07/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 7 @ 1' (H243995-20)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	2.01	101	2.00	3.42	
Toluene*	<0.050	0.050	07/09/2024	ND	2.16	108	2.00	4.76	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.24	112	2.00	3.58	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.87	115	6.00	2.66	
Total BTEX	<0.300	0.300	07/09/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/09/2024	ND	480	120	400	14.3		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	207	104	200	3.09	
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	197	98.7	200	4.01	
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/03/2024
 Reported: 07/10/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO - 32.14977-103.84655

Sampling Date: 07/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 8 @ 1' (H243995-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2024	ND	2.01	101	2.00	3.42		
Toluene*	<0.050	0.050	07/09/2024	ND	2.16	108	2.00	4.76		
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.24	112	2.00	3.58		
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.87	115	6.00	2.66		
Total BTEX	<0.300	0.300	07/09/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	07/09/2024	ND	480	120	400	14.3		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	207	104	200	3.09	
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	197	98.7	200	4.01	
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/03/2024
 Reported: 07/10/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO - 32.14977-103.84655

Sampling Date: 07/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 9 @ 1' (H243995-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2024	ND	2.01	101	2.00	3.42		
Toluene*	<0.050	0.050	07/09/2024	ND	2.16	108	2.00	4.76		
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.24	112	2.00	3.58		
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.87	115	6.00	2.66		
Total BTEX	<0.300	0.300	07/09/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/09/2024	ND	480	120	400	14.3	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	207	104	200	3.09	
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	197	98.7	200	4.01	
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/03/2024
 Reported: 07/10/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO - 32.14977-103.84655

Sampling Date: 07/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NH @ 1' (H243995-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2024	ND	2.01	101	2.00	3.42		
Toluene*	<0.050	0.050	07/09/2024	ND	2.16	108	2.00	4.76		
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.24	112	2.00	3.58		
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.87	115	6.00	2.66		
Total BTEX	<0.300	0.300	07/09/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/09/2024	ND	480	120	400	14.3		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	207	104	200	3.09	
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	197	98.7	200	4.01	
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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Analytical Results For:

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

Received: 07/03/2024
 Reported: 07/10/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO - 32.14977-103.84655

Sampling Date: 07/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: EH @ 1' (H243995-24)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	2.01	101	2.00	3.42	
Toluene*	<0.050	0.050	07/09/2024	ND	2.16	108	2.00	4.76	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.24	112	2.00	3.58	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.87	115	6.00	2.66	
Total BTEX	<0.300	0.300	07/09/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/09/2024	ND	480	120	400	14.3	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	207	104	200	3.09	
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	197	98.7	200	4.01	
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/03/2024
 Reported: 07/10/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO - 32.14977-103.84655

Sampling Date: 07/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SH @ 1' (H243995-25)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2024	ND	2.01	101	2.00	3.42	
Toluene*	<0.050	0.050	07/09/2024	ND	2.16	108	2.00	4.76	
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.24	112	2.00	3.58	
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.87	115	6.00	2.66	
Total BTEX	<0.300	0.300	07/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	07/09/2024	ND	480	120	400	14.3	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	207	104	200	3.09	
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	197	98.7	200	4.01	
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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Analytical Results For:

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

Received: 07/03/2024
 Reported: 07/10/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO - 32.14977-103.84655

Sampling Date: 07/02/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: WH @ 1' (H243995-26)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/09/2024	ND	2.01	101	2.00	3.42		
Toluene*	<0.050	0.050	07/09/2024	ND	2.16	108	2.00	4.76		
Ethylbenzene*	<0.050	0.050	07/09/2024	ND	2.24	112	2.00	3.58		
Total Xylenes*	<0.150	0.150	07/09/2024	ND	6.87	115	6.00	2.66		
Total BTEX	<0.300	0.300	07/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/09/2024	ND	480	120	400	14.3		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2024	ND	207	104	200	3.09	
DRO >C10-C28*	<10.0	10.0	07/08/2024	ND	197	98.7	200	4.01	
EXT DRO >C28-C36	<10.0	10.0	07/08/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech Environmental & Safety Solutions, Inc. Project Manager: Lance Crenshaw Address: 2617 W Marland City: Hobbs State: NM Zip: 88240 Phone #: (575) 264-9884 Fax #: Project #: 20698 Project Owner: XTO Project Name: PLU C2 Frac Pond Project Location: 32.14977, -103.84655 Sampler Name: Aaron Rios				BILL TO P.O. #: Company: XTO Attn: Amy Ruth Address: City: State: NM Zip: Phone #: Fax #:				ANALYSIS REQUEST																	
FOR LAB USE ONLY				MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				PRESERV. ACID/BASE: ICE / COOL OTHER:		SAMPLING DATE TIME		Chloride TPH (8015M) BTEX (8021B)													
Lab I.D. H243995		Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS																					
1		SP 1 @ Surf		G 1						X		7/2/24													
2		SP 2 @ Surf		G 1						X		7/2/24													
3		SP 3 @ Surf		G 1						X		7/2/24													
4		SP 4 @ Surf		G 1						X		7/2/24													
5		SP 5 @ Surf		G 1						X		7/2/24													
6		SP 6 @ Surf		G 1						X		7/2/24													
7		SP 7 @ Surf		G 1						X		7/2/24													
8		SP 8 @ Surf		G 1						X		7/2/24													
9		SP 9 @ Surf		G 1						X		7/2/24													
10		NH @ Surf		G 1						X		7/2/24													

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Relinquished By: Date: 7-3-24 Time: 0817		Received By: Date: Time:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS:	
Relinquished By: Date: Time:		Received By:		Incident ID for XTO: nAPP2401640490 Please email results and copy of CoC to pm@etechenv.com.	

Delivered By: (Circle One) Sampler - UPS - Bus - Other: -6.9c #140		Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) SR	
--	--	--	--	--	--



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 30 of 31

Company Name: Etech Environmental & Safety Solutions, Inc. Project Manager: Lance Crenshaw Address: 2617 W Marland City: Hobbs State: NM Zip: 88240 Phone #: (575) 264-9884 Fax #: Project #: 20698 Project Owner: XTO Project Name: PLU C2 Frac Pond Project Location: 32.14977, -103.84655 Sampler Name: Aaron Rios				BILL TO P.O. #: Company: XTO Attn: Amy Ruth Address: City: State: NM Zip: Phone #: Fax #:				ANALYSIS REQUEST															
FOR LAB USE ONLY				MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				PRESERV. ACID/BASE ICE / COOL OTHER:		SAMPLING DATE TIME		Chloride TPH (8015M) BTEX (8021B)											
Lab I.D. H243995		Sample I.D.		(G/RAB OR (C)OMP. # CONTAINERS		GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ACID/BASE ICE / COOL OTHER:		DATE TIME													
11		EH @ Surf		G 1		X		X		7/2/24		X X X											
12		SH @ Surf		G 1		X		X		7/2/24		X X X											
13		WH @ Surf		G 1		X		X		7/2/24		X X X											
14		SP 1 @ 1'		G 1		X		X		7/2/24		X X X											
15		SP 2 @ 1'		G 1		X		X		7/2/24		X X X											
16		SP 3 @ 1'		G 1		X		X		7/2/24		X X X											
17		SP 4 @ 1'		G 1		X		X		7/2/24		X X X											
18		SP 5 @ 1'		G 1		X		X		7/2/24		X X X											
19		SP 6 @ 1'		G 1		X		X		7/2/24		X X X											
20		SP 7 @ 1'		G 1		X		X		7/2/24		X X X											

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Relinquished By: [Signature] Date: 7-3-24 Time: 0817		Received By: [Signature] Date: Time:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS:	
Relinquished By: Date: Time:		Received By: Date: Time:		Incident ID for XTO: nAPP2401640490 Please email results and copy of CoC to pm@etechenv.com.	

Delivered By: (Circle One) Sampler - UPS - Bus - Other: -69: #140		Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		CHECKED BY: (Initials) [Signature]	
---	--	---	--	---	--

FORM-006
Revision 1.0

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



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

July 24, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: PLU C2 FRAC POND

Enclosed are the results of analyses for samples received by the laboratory on 07/18/24 15:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 1 @ 4' (H244332-01)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.84	91.9	2.00	7.32		
Toluene*	<0.050	0.050	07/22/2024	ND	1.83	91.7	2.00	5.25		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	1.87	93.4	2.00	4.38		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	5.52	92.0	6.00	4.59		
Total BTEx	<0.300	0.300	07/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	80.0	16.0	07/22/2024	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	07/22/2024	ND	232	116	200	6.88	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	210	105	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 2 @ 4' (H244332-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.84	91.9	2.00	7.32		
Toluene*	<0.050	0.050	07/22/2024	ND	1.83	91.7	2.00	5.25		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	1.87	93.4	2.00	4.38		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	5.52	92.0	6.00	4.59		
Total BTEX	<0.300	0.300	07/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/22/2024	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	07/22/2024	ND	232	116	200	6.88	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	210	105	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 3 @ 4' (H244332-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.84	91.9	2.00	7.32		
Toluene*	<0.050	0.050	07/22/2024	ND	1.83	91.7	2.00	5.25		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	1.87	93.4	2.00	4.38		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	5.52	92.0	6.00	4.59		
Total BTEX	<0.300	0.300	07/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/22/2024	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	07/22/2024	ND	232	116	200	6.88	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	210	105	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 4 @ 4' (H244332-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.84	91.9	2.00	7.32		
Toluene*	<0.050	0.050	07/22/2024	ND	1.83	91.7	2.00	5.25		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	1.87	93.4	2.00	4.38		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	5.52	92.0	6.00	4.59		
Total BTEX	<0.300	0.300	07/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/22/2024	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	07/22/2024	ND	232	116	200	6.88	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	210	105	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 5 @ 4' (H244332-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.84	91.9	2.00	7.32		
Toluene*	<0.050	0.050	07/22/2024	ND	1.83	91.7	2.00	5.25		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	1.87	93.4	2.00	4.38		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	5.52	92.0	6.00	4.59		
Total BTEX	<0.300	0.300	07/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/22/2024	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	07/22/2024	ND	232	116	200	6.88	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	210	105	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 6 @ 4' (H244332-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.84	91.9	2.00	7.32		
Toluene*	<0.050	0.050	07/22/2024	ND	1.83	91.7	2.00	5.25		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	1.87	93.4	2.00	4.38		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	5.52	92.0	6.00	4.59		
Total BTEX	<0.300	0.300	07/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/22/2024	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	07/23/2024	ND	232	116	200	6.88	
DRO >C10-C28*	<10.0	10.0	07/23/2024	ND	210	105	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	07/23/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 7 @ 4' (H244332-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.84	91.9	2.00	7.32		
Toluene*	<0.050	0.050	07/22/2024	ND	1.83	91.7	2.00	5.25		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	1.87	93.4	2.00	4.38		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	5.52	92.0	6.00	4.59		
Total BTEX	<0.300	0.300	07/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/22/2024	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	07/22/2024	ND	232	116	200	6.88	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	210	105	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 8 @ 4' (H244332-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.84	91.9	2.00	7.32		
Toluene*	<0.050	0.050	07/22/2024	ND	1.83	91.7	2.00	5.25		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	1.87	93.4	2.00	4.38		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	5.52	92.0	6.00	4.59		
Total BTEX	<0.300	0.300	07/22/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/22/2024	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	07/22/2024	ND	232	116	200	6.88	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	210	105	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 49.1-148

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Analytical Results For:

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

Received: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 9 @ 4' (H244332-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.98	99.1	2.00	5.35		
Toluene*	<0.050	0.050	07/22/2024	ND	2.05	103	2.00	0.353		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.15	108	2.00	2.17		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	6.43	107	6.00	3.60		
Total BTEX	<0.300	0.300	07/22/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/22/2024	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	07/22/2024	ND	232	116	200	6.88	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	210	105	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Analytical Results For:

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

Received: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 10 @ 4' (H244332-10)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2024	ND	1.98	99.1	2.00	5.35	
Toluene*	<0.050	0.050	07/22/2024	ND	2.05	103	2.00	0.353	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.15	108	2.00	2.17	
Total Xylenes*	<0.150	0.150	07/22/2024	ND	6.43	107	6.00	3.60	
Total BTEx	<0.300	0.300	07/22/2024	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	128	16.0	07/22/2024	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	07/22/2024	ND	232	116	200	6.88	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	210	105	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

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

Received: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 11 @ 4' (H244332-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.98	99.1	2.00	5.35		
Toluene*	<0.050	0.050	07/22/2024	ND	2.05	103	2.00	0.353		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.15	108	2.00	2.17		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	6.43	107	6.00	3.60		
Total BTEX	<0.300	0.300	07/22/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/22/2024	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	07/22/2024	ND	232	116	200	6.88	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	210	105	200	11.9	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Analytical Results For:

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

Received: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 12 @ 4' (H244332-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.98	99.1	2.00	5.35		
Toluene*	<0.050	0.050	07/22/2024	ND	2.05	103	2.00	0.353		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.15	108	2.00	2.17		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	6.43	107	6.00	3.60		
Total BTEX	<0.300	0.300	07/22/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/22/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	199	99.7	200	8.04	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	199	99.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Analytical Results For:

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

Received: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 13 @ 4' (H244332-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.98	99.1	2.00	5.35		
Toluene*	<0.050	0.050	07/22/2024	ND	2.05	103	2.00	0.353		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.15	108	2.00	2.17		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	6.43	107	6.00	3.60		
Total BTEX	<0.300	0.300	07/22/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	07/22/2024	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	07/22/2024	ND	199	99.7	200	8.04	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	199	99.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Analytical Results For:

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

Received: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 14 @ 4' (H244332-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.98	99.1	2.00	5.35		
Toluene*	<0.050	0.050	07/22/2024	ND	2.05	103	2.00	0.353		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.15	108	2.00	2.17		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	6.43	107	6.00	3.60		
Total BTEx	<0.300	0.300	07/22/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/22/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2024	ND	199	99.7	200	8.04	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	199	99.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

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

Received: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 15 @ 4' (H244332-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.98	99.1	2.00	5.35		
Toluene*	<0.050	0.050	07/22/2024	ND	2.05	103	2.00	0.353		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.15	108	2.00	2.17		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	6.43	107	6.00	3.60		
Total BTEX	<0.300	0.300	07/22/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	07/22/2024	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	07/22/2024	ND	199	99.7	200	8.04	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	199	99.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 105 % 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: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 16 @ 4' (H244332-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.98	99.1	2.00	5.35		
Toluene*	<0.050	0.050	07/22/2024	ND	2.05	103	2.00	0.353		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.15	108	2.00	2.17		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	6.43	107	6.00	3.60		
Total BTEX	<0.300	0.300	07/22/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/22/2024	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	07/22/2024	ND	199	99.7	200	8.04	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	199	99.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 17 @ 4' (H244332-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.98	99.1	2.00	5.35		
Toluene*	<0.050	0.050	07/22/2024	ND	2.05	103	2.00	0.353		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.15	108	2.00	2.17		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	6.43	107	6.00	3.60		
Total BTEx	<0.300	0.300	07/22/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/22/2024	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	07/22/2024	ND	199	99.7	200	8.04	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	199	99.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 18 @ 4' (H244332-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.98	99.1	2.00	5.35		
Toluene*	<0.050	0.050	07/22/2024	ND	2.05	103	2.00	0.353		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.15	108	2.00	2.17		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	6.43	107	6.00	3.60		
Total BTEX	<0.300	0.300	07/22/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/22/2024	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	07/22/2024	ND	199	99.7	200	8.04	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	199	99.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 132 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 19 @ 4' (H244332-19)

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	07/22/2024	ND	1.98	99.1	2.00	5.35		
Toluene*	<0.050	0.050	07/22/2024	ND	2.05	103	2.00	0.353		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.15	108	2.00	2.17		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	6.43	107	6.00	3.60		
Total BTEx	<0.300	0.300	07/22/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/22/2024	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	07/22/2024	ND	199	99.7	200	8.04	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	199	99.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Analytical Results For:

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

Received: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 20 @ 4' (H244332-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.98	99.1	2.00	5.35		
Toluene*	<0.050	0.050	07/22/2024	ND	2.05	103	2.00	0.353		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.15	108	2.00	2.17		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	6.43	107	6.00	3.60		
Total BTEX	<0.300	0.300	07/22/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	07/22/2024	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	07/22/2024	ND	199	99.7	200	8.04	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	199	99.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 21 @ 4' (H244332-21)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2024	ND	1.98	99.1	2.00	5.35	
Toluene*	<0.050	0.050	07/22/2024	ND	2.05	103	2.00	0.353	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.15	108	2.00	2.17	
Total Xylenes*	<0.150	0.150	07/22/2024	ND	6.43	107	6.00	3.60	
Total BTEX	<0.300	0.300	07/22/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	07/22/2024	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	07/22/2024	ND	199	99.7	200	8.04	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	199	99.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 22 @ 2' (H244332-22)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2024	ND	1.98	99.1	2.00	5.35	
Toluene*	<0.050	0.050	07/22/2024	ND	2.05	103	2.00	0.353	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.15	108	2.00	2.17	
Total Xylenes*	<0.150	0.150	07/22/2024	ND	6.43	107	6.00	3.60	
Total BTEX	<0.300	0.300	07/22/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/22/2024	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	07/22/2024	ND	199	99.7	200	8.04	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	199	99.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 23 @ 2' (H244332-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.98	99.1	2.00	5.35		
Toluene*	<0.050	0.050	07/22/2024	ND	2.05	103	2.00	0.353		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.15	108	2.00	2.17		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	6.43	107	6.00	3.60		
Total BTEX	<0.300	0.300	07/22/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/22/2024	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	07/22/2024	ND	199	99.7	200	8.04	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	199	99.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	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



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Analytical Results For:

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

Received: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 24 @ 2' (H244332-24)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2024	ND	1.98	99.1	2.00	5.35	
Toluene*	<0.050	0.050	07/22/2024	ND	2.05	103	2.00	0.353	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.15	108	2.00	2.17	
Total Xylenes*	<0.150	0.150	07/22/2024	ND	6.43	107	6.00	3.60	
Total BTEX	<0.300	0.300	07/22/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/22/2024	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	07/22/2024	ND	199	99.7	200	8.04	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	199	99.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 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: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 25 @ 2' (H244332-25)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2024	ND	1.98	99.1	2.00	5.35	
Toluene*	<0.050	0.050	07/22/2024	ND	2.05	103	2.00	0.353	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.15	108	2.00	2.17	
Total Xylenes*	<0.150	0.150	07/22/2024	ND	6.43	107	6.00	3.60	
Total BTEX	<0.300	0.300	07/22/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/22/2024	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	07/22/2024	ND	199	99.7	200	8.04	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	199	99.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 99.0 % 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: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 26 @ 2' (H244332-26)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.98	99.1	2.00	5.35		
Toluene*	<0.050	0.050	07/22/2024	ND	2.05	103	2.00	0.353		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.15	108	2.00	2.17		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	6.43	107	6.00	3.60		
Total BTEX	<0.300	0.300	07/22/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/22/2024	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	07/22/2024	ND	199	99.7	200	8.04	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	199	99.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 108 % 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: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 27 @ 2' (H244332-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	1.98	99.1	2.00	5.35		
Toluene*	<0.050	0.050	07/22/2024	ND	2.05	103	2.00	0.353		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.15	108	2.00	2.17		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	6.43	107	6.00	3.60		
Total BTEx	<0.300	0.300	07/22/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	07/22/2024	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	07/22/2024	ND	199	99.7	200	8.04	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	199	99.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 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: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 28 @ 2' (H244332-28)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2024	ND	1.98	99.1	2.00	5.35	
Toluene*	<0.050	0.050	07/22/2024	ND	2.05	103	2.00	0.353	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.15	108	2.00	2.17	
Total Xylenes*	<0.150	0.150	07/22/2024	ND	6.43	107	6.00	3.60	
Total BTEX	<0.300	0.300	07/22/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/22/2024	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	07/22/2024	ND	199	99.7	200	8.04	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	199	99.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 99.2 % 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: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: NW 1 (H244332-29)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2024	ND	2.23	112	2.00	0.781	
Toluene*	<0.050	0.050	07/22/2024	ND	2.43	122	2.00	1.20	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.38	119	2.00	1.75	QM-07
Total Xylenes*	<0.150	0.150	07/22/2024	ND	7.27	121	6.00	1.41	QM-07
Total BTEX	<0.300	0.300	07/22/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/22/2024	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	07/22/2024	ND	199	99.7	200	8.04	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	199	99.3	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: WW 1 (H244332-30)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2024	ND	2.01	100	2.00	7.13	
Toluene*	<0.050	0.050	07/22/2024	ND	2.21	110	2.00	4.35	
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.28	114	2.00	3.21	
Total Xylenes*	<0.150	0.150	07/22/2024	ND	7.11	118	6.00	2.65	
Total BTEX	<0.300	0.300	07/22/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/22/2024	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	07/22/2024	ND	202	101	200	3.16	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	200	99.9	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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Analytical Results For:

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

Received: 07/18/2024
 Reported: 07/24/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: WW 2 (H244332-31)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/22/2024	ND	2.01	100	2.00	7.13		
Toluene*	<0.050	0.050	07/22/2024	ND	2.21	110	2.00	4.35		
Ethylbenzene*	<0.050	0.050	07/22/2024	ND	2.28	114	2.00	3.21		
Total Xylenes*	<0.150	0.150	07/22/2024	ND	7.11	118	6.00	2.65		
Total BTEX	<0.300	0.300	07/22/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/22/2024	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	07/22/2024	ND	202	101	200	3.16	
DRO >C10-C28*	<10.0	10.0	07/22/2024	ND	200	99.9	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	07/22/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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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.
- 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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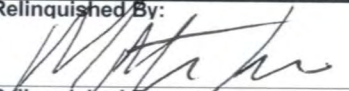

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Page 35 of 37

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																													
Project Manager: Lance Crenshaw				P.O. #:				<div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div>																													
Address: 2617 W Marland				Company: XTO																																	
City: Hobbs State: NM Zip: 88240				Attn: Amy Ruth																																	
Phone #: (575) 264-9884 Fax #:				Address:																																	
Project #: 20698 Project Owner: XTO				City:																																	
Project Name: PLU C2 Frac Pond				State: NM Zip:																																	
Project Location: 32.14977, -103.84655				Phone #:																																	
Sampler Name: Aaron Rios				Fax #:																																	
FOR LAB USE ONLY				(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING																									
Lab I.D.		Sample I.D.		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE														OTHER:		ACID/BASE:		ICE / COOL:		OTHER:		DATE		TIME	
11		FL 11 @ 4'		C 1				X						X		7/18/24				X		X		X													
12		FL 12 @ 4'		C 1				X						X		7/18/24				X		X		X													
13		FL 13 @ 4'		C 1				X						X		7/18/24				X		X		X													
14		FL 14 @ 4'		C 1				X						X		7/18/24				X		X		X													
15		FL 15 @ 4'		C 1				X						X		7/18/24				X		X		X													
16		FL 16 @ 4'		C 1				X						X		7/18/24				X		X		X													
17		FL 17 @ 4'		C 1				X						X		7/18/24				X		X		X													
18		FL 18 @ 4'		C 1				X						X		7/18/24				X		X		X													
19		FL 19 @ 4'		C 1				X						X		7/18/24				X		X		X													
20		FL 20 @ 4'		C 1				X						X		7/18/24				X		X		X													
<p>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																																					
Relinquished By: 				Date: 7-18-24				Received By: 				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:				REMARKS:																	
Relinquished By:				Time: 1517				Received By:				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:																					
Relinquished By:				Time:				Received By:																													
Delivered By: (Circle One) - U.I. - 140								Sample Condition								CHECKED BY: (Initials) AP								Incident ID for XTO: nAPP2401640490 Please email results and copy of CoC to pm@etechenv.com.													
Sampler - UPS - Bus - Other:								Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No																													

**ARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

July 26, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: PLU C2 FRAC POND

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

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 29 @ 4' (H244389-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2024	ND	2.06	103	2.00	5.92	
Toluene*	<0.050	0.050	07/24/2024	ND	2.01	100	2.00	5.99	
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.02	101	2.00	5.79	
Total Xylenes*	<0.150	0.150	07/24/2024	ND	5.95	99.2	6.00	6.08	
Total BTX	<0.300	0.300	07/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/25/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	202	101	200	2.33	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	190	95.2	200	0.633	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.9 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 30 @ 4' (H244389-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2024	ND	2.06	103	2.00	5.92	
Toluene*	<0.050	0.050	07/24/2024	ND	2.01	100	2.00	5.99	
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.02	101	2.00	5.79	
Total Xylenes*	<0.150	0.150	07/24/2024	ND	5.95	99.2	6.00	6.08	
Total BTEX	<0.300	0.300	07/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	07/25/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	202	101	200	2.33	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	190	95.2	200	0.633	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 88.0 % 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: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 31 @ 2' (H244389-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2024	ND	2.06	103	2.00	5.92	
Toluene*	<0.050	0.050	07/24/2024	ND	2.01	100	2.00	5.99	
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.02	101	2.00	5.79	
Total Xylenes*	<0.150	0.150	07/24/2024	ND	5.95	99.2	6.00	6.08	
Total BTEX	<0.300	0.300	07/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	144	16.0	07/25/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	202	101	200	2.33	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	190	95.2	200	0.633	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 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: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 32 @ 3' (H244389-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2024	ND	2.06	103	2.00	5.92	
Toluene*	<0.050	0.050	07/24/2024	ND	2.01	100	2.00	5.99	
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.02	101	2.00	5.79	
Total Xylenes*	<0.150	0.150	07/24/2024	ND	5.95	99.2	6.00	6.08	
Total BTEX	<0.300	0.300	07/24/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	07/25/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	202	101	200	2.33	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	190	95.2	200	0.633	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 105 % 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: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 33 @ 2' (H244389-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2024	ND	2.06	103	2.00	5.92	
Toluene*	<0.050	0.050	07/24/2024	ND	2.01	100	2.00	5.99	
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.02	101	2.00	5.79	
Total Xylenes*	<0.150	0.150	07/24/2024	ND	5.95	99.2	6.00	6.08	
Total BTEX	<0.300	0.300	07/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	07/25/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	202	101	200	2.33	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	190	95.2	200	0.633	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 99.0 % 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: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 34 @ 2' (H244389-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2024	ND	2.06	103	2.00	5.92	
Toluene*	<0.050	0.050	07/24/2024	ND	2.01	100	2.00	5.99	
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.02	101	2.00	5.79	
Total Xylenes*	<0.150	0.150	07/24/2024	ND	5.95	99.2	6.00	6.08	
Total BTEX	<0.300	0.300	07/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	07/25/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	202	101	200	2.33	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	190	95.2	200	0.633	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 35 @ 2' (H244389-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2024	ND	2.06	103	2.00	5.92	
Toluene*	<0.050	0.050	07/24/2024	ND	2.01	100	2.00	5.99	
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.02	101	2.00	5.79	
Total Xylenes*	<0.150	0.150	07/24/2024	ND	5.95	99.2	6.00	6.08	
Total BTEX	<0.300	0.300	07/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	07/25/2024	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	202	101	200	2.33	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	190	95.2	200	0.633	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 36 @ 1' (H244389-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2024	ND	2.06	103	2.00	5.92	
Toluene*	<0.050	0.050	07/24/2024	ND	2.01	100	2.00	5.99	
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.02	101	2.00	5.79	
Total Xylenes*	<0.150	0.150	07/24/2024	ND	5.95	99.2	6.00	6.08	
Total BTEX	<0.300	0.300	07/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/25/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	202	101	200	2.33	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	190	95.2	200	0.633	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

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

Received: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 37 @ 4' (H244389-09)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2024	ND	2.06	103	2.00	5.92	
Toluene*	<0.050	0.050	07/24/2024	ND	2.01	100	2.00	5.99	
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.02	101	2.00	5.79	
Total Xylenes*	<0.150	0.150	07/24/2024	ND	5.95	99.2	6.00	6.08	
Total BTEX	<0.300	0.300	07/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	176	16.0	07/25/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	202	101	200	2.33	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	190	95.2	200	0.633	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Analytical Results For:

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

Received: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 38 @ 4' (H244389-10)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2024	ND	2.06	103	2.00	5.92	
Toluene*	<0.050	0.050	07/24/2024	ND	2.01	100	2.00	5.99	
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.02	101	2.00	5.79	
Total Xylenes*	<0.150	0.150	07/24/2024	ND	5.95	99.2	6.00	6.08	
Total BTEX	<0.300	0.300	07/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	07/25/2024	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	202	101	200	2.33	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	190	95.2	200	0.633	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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

Received: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 39 @ 4' (H244389-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2024	ND	2.06	103	2.00	5.92		
Toluene*	<0.050	0.050	07/24/2024	ND	2.01	100	2.00	5.99		
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.02	101	2.00	5.79		
Total Xylenes*	<0.150	0.150	07/24/2024	ND	5.95	99.2	6.00	6.08		
Total BTEX	<0.300	0.300	07/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	176	16.0	07/25/2024	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	202	101	200	2.33	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	190	95.2	200	0.633	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Analytical Results For:

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

Received: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 40 @ 4' (H244389-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2024	ND	2.06	103	2.00	5.92		
Toluene*	<0.050	0.050	07/24/2024	ND	2.01	100	2.00	5.99		
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.02	101	2.00	5.79		
Total Xylenes*	<0.150	0.150	07/24/2024	ND	5.95	99.2	6.00	6.08		
Total BTEX	<0.300	0.300	07/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/25/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	202	101	200	2.33	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	190	95.2	200	0.633	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

Etech Environmental & Safety Solutions
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 HOBBS NM, 88240
 Fax To:

Received: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 41 @ 4' (H244389-13)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2024	ND	2.06	103	2.00	5.92	
Toluene*	<0.050	0.050	07/24/2024	ND	2.01	100	2.00	5.99	
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.02	101	2.00	5.79	
Total Xylenes*	<0.150	0.150	07/24/2024	ND	5.95	99.2	6.00	6.08	
Total BTEX	<0.300	0.300	07/24/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	07/25/2024	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	202	101	200	2.33	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	190	95.2	200	0.633	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

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Analytical Results For:

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

Received: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 42 @ 4' (H244389-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2024	ND	2.06	103	2.00	5.92		
Toluene*	<0.050	0.050	07/24/2024	ND	2.01	100	2.00	5.99		
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.02	101	2.00	5.79		
Total Xylenes*	<0.150	0.150	07/24/2024	ND	5.95	99.2	6.00	6.08		
Total BTEX	<0.300	0.300	07/24/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	07/25/2024	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2024	ND	202	101	200	2.33	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	190	95.2	200	0.633	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

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

Received: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 43 @ 4' (H244389-15)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2024	ND	2.06	103	2.00	5.92	
Toluene*	<0.050	0.050	07/24/2024	ND	2.01	100	2.00	5.99	
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.02	101	2.00	5.79	
Total Xylenes*	<0.150	0.150	07/24/2024	ND	5.95	99.2	6.00	6.08	
Total BTEX	<0.300	0.300	07/24/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	07/25/2024	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2024	ND	202	101	200	2.33	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	190	95.2	200	0.633	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

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

Received: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 44 @ 3' (H244389-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2024	ND	2.43	122	2.00	11.6		
Toluene*	<0.050	0.050	07/24/2024	ND	2.36	118	2.00	10.8		
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.44	122	2.00	10.9		
Total Xylenes*	<0.150	0.150	07/24/2024	ND	7.19	120	6.00	10.5		
Total BTEx	<0.300	0.300	07/24/2024	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	112	16.0	07/25/2024	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2024	ND	202	101	200	2.33	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	190	95.2	200	0.633	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 108 % 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: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 45 @ 4' (H244389-17)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2024	ND	2.43	122	2.00	11.6	
Toluene*	<0.050	0.050	07/24/2024	ND	2.36	118	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.44	122	2.00	10.9	
Total Xylenes*	<0.150	0.150	07/24/2024	ND	7.19	120	6.00	10.5	
Total BTEX	<0.300	0.300	07/24/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	07/25/2024	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2024	ND	202	101	200	2.33	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	190	95.2	200	0.633	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 103 % 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: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 46 @ 4' (H244389-18)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2024	ND	2.43	122	2.00	11.6	
Toluene*	<0.050	0.050	07/24/2024	ND	2.36	118	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.44	122	2.00	10.9	
Total Xylenes*	<0.150	0.150	07/24/2024	ND	7.19	120	6.00	10.5	
Total BTEX	<0.300	0.300	07/24/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	07/25/2024	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2024	ND	202	101	200	2.33	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	190	95.2	200	0.633	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 47 @ 4' (H244389-19)

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	07/24/2024	ND	2.43	122	2.00	11.6	
Toluene*	<0.050	0.050	07/24/2024	ND	2.36	118	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.44	122	2.00	10.9	
Total Xylenes*	<0.150	0.150	07/24/2024	ND	7.19	120	6.00	10.5	
Total BTEX	<0.300	0.300	07/24/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/25/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2024	ND	202	101	200	2.33	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	190	95.2	200	0.633	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 48 @ 4' (H244389-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/24/2024	ND	2.43	122	2.00	11.6		
Toluene*	<0.050	0.050	07/24/2024	ND	2.36	118	2.00	10.8		
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.44	122	2.00	10.9		
Total Xylenes*	<0.150	0.150	07/24/2024	ND	7.19	120	6.00	10.5		
Total BTEX	<0.300	0.300	07/24/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	07/25/2024	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2024	ND	202	101	200	2.33	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	190	95.2	200	0.633	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

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

Received: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 49 @ 2' (H244389-21)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2024	ND	2.43	122	2.00	11.6	
Toluene*	<0.050	0.050	07/24/2024	ND	2.36	118	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/24/2024	ND	2.44	122	2.00	10.9	
Total Xylenes*	<0.150	0.150	07/24/2024	ND	7.19	120	6.00	10.5	
Total BTEX	<0.300	0.300	07/24/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	07/25/2024	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	209	104	200	3.70	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	195	97.4	200	15.7	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 50 @ 3' (H244389-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/25/2024	ND	2.43	122	2.00	11.6		
Toluene*	<0.050	0.050	07/25/2024	ND	2.36	118	2.00	10.8		
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.44	122	2.00	10.9		
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.19	120	6.00	10.5		
Total BTEX	<0.300	0.300	07/25/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/25/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	209	104	200	3.70	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	195	97.4	200	15.7	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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

Received: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 51 @ 2' (H244389-23)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	2.43	122	2.00	11.6	
Toluene*	<0.050	0.050	07/25/2024	ND	2.36	118	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.44	122	2.00	10.9	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.19	120	6.00	10.5	
Total BTEX	<0.300	0.300	07/25/2024	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	160	16.0	07/25/2024	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	209	104	200	3.70	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	195	97.4	200	15.7	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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Analytical Results For:

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

Received: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 52 @ 4' (H244389-24)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	2.43	122	2.00	11.6	
Toluene*	<0.050	0.050	07/25/2024	ND	2.36	118	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.44	122	2.00	10.9	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.19	120	6.00	10.5	
Total BTEX	<0.300	0.300	07/25/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/25/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	209	104	200	3.70	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	195	97.4	200	15.7	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	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: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 53 @ 3' (H244389-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/25/2024	ND	2.43	122	2.00	11.6		
Toluene*	<0.050	0.050	07/25/2024	ND	2.36	118	2.00	10.8		
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.44	122	2.00	10.9		
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.19	120	6.00	10.5		
Total BTEx	<0.300	0.300	07/25/2024	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	96.0	16.0	07/25/2024	ND	464	116	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	209	104	200	3.70	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	195	97.4	200	15.7	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	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: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 54 @ 4' (H244389-26)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/25/2024	ND	2.43	122	2.00	11.6		
Toluene*	<0.050	0.050	07/25/2024	ND	2.36	118	2.00	10.8		
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.44	122	2.00	10.9		
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.19	120	6.00	10.5		
Total BTEX	<0.300	0.300	07/25/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/25/2024	ND	464	116	400	3.51	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	209	104	200	3.70	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	195	97.4	200	15.7	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.4 % 49.1-148

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Analytical Results For:

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

Received: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 55 @ 3' (H244389-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/25/2024	ND	2.43	122	2.00	11.6		
Toluene*	<0.050	0.050	07/25/2024	ND	2.36	118	2.00	10.8		
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.44	122	2.00	10.9		
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.19	120	6.00	10.5		
Total BTEx	<0.300	0.300	07/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	07/25/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	209	104	200	3.70	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	195	97.4	200	15.7	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Analytical Results For:

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

Received: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL - 56 @ 2' (H244389-28)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/25/2024	ND	2.43	122	2.00	11.6		
Toluene*	<0.050	0.050	07/25/2024	ND	2.36	118	2.00	10.8		
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.44	122	2.00	10.9		
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.19	120	6.00	10.5		
Total BTEX	<0.300	0.300	07/25/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	07/25/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	209	104	200	3.70	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	195	97.4	200	15.7	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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

Received: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 1 (H244389-29)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	2.43	122	2.00	11.6	
Toluene*	<0.050	0.050	07/25/2024	ND	2.36	118	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.44	122	2.00	10.9	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.19	120	6.00	10.5	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	07/25/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	209	104	200	3.70	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	195	97.4	200	15.7	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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

Received: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 2 (H244389-30)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	2.43	122	2.00	11.6	
Toluene*	<0.050	0.050	07/25/2024	ND	2.36	118	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.44	122	2.00	10.9	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.19	120	6.00	10.5	
Total BTEX	<0.300	0.300	07/25/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	07/25/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	209	104	200	3.70	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	195	97.4	200	15.7	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

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

Received: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW - 1 (H244389-31)

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	2.43	122	2.00	11.6	
Toluene*	<0.050	0.050	07/25/2024	ND	2.36	118	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.44	122	2.00	10.9	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.19	120	6.00	10.5	
Total BTEX	<0.300	0.300	07/25/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/25/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	209	104	200	3.70	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	195	97.4	200	15.7	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

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

Received: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW - 2 (H244389-32)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	2.43	122	2.00	11.6	
Toluene*	<0.050	0.050	07/25/2024	ND	2.36	118	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.44	122	2.00	10.9	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.19	120	6.00	10.5	
Total BTEX	<0.300	0.300	07/25/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/25/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	209	104	200	3.70	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	195	97.4	200	15.7	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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

Received: 07/24/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/23/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW - 3 (H244389-33)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	2.43	122	2.00	11.6	
Toluene*	<0.050	0.050	07/25/2024	ND	2.36	118	2.00	10.8	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	2.44	122	2.00	10.9	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	7.19	120	6.00	10.5	
Total BTEX	<0.300	0.300	07/25/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/25/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/24/2024	ND	212	106	200	1.24	
DRO >C10-C28*	<10.0	10.0	07/24/2024	ND	198	98.8	200	1.71	
EXT DRO >C28-C36	<10.0	10.0	07/24/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etecn Environmental & Safety Solutions, Inc. Project Manager: Lance Crenshaw Address: 2617 West Marland City: Hobbs State: NM Zip: 88240 Phone #: (575) 264-9884 Fax #: Project #: 20698 Project Owner: Project Name: PLUC2 Project Location: Sampler Name: Aaron Rios				BILL TO P.O. #: Company: XTO Attn: Amy Ruth Address: City: State: Zip: Phone #: Fax #: Chloride TPH (8015M) BTEX (8021B)				ANALYSIS REQUEST													
Lab I.D.	Sample I.D.	IRAB OR (C)IME	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH (8015M)	BTEX (8021B)										
				GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	ACID/BASE ICE / COOL OTHER:																
W200389																					
21	FL-49 @ 2'	C	1	X	X		7/23/24		X	X	X										
22	FL-50 @ 3'	C	1	X	X				X	X	X										
23	FL-51 @ 2'	C	1	X	X				X	X	X										
24	FL-52 @ 4'	C	1	X	X				X	X	X										
25	FL-53 @ 3'	C	1	X	X				X	X	X										
26	FL-54 @ 4'	C	1	X	X				X	X	X										
27	FL-55 @ 3'	C	1	X	X				X	X	X										
28	FL-56 @ 2'	C	1	X	X				X	X	X										
29	SW-1	C	1	X	X				X	X	X										
30	SW-2	C	1	X	X				X	X	X										

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Relinquished By: <i>[Signature]</i>	Date: 7-24-24	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: 1007			Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
Time:				
Delivered By: (Circle One)	#140	Sample Condition	CHECKED BY: (Initials)	
Sampler: UPS - Bus - Other:	-6.2c	Cool: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TO.	
		Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

Please email copy of COC and results to pin@etecenv.com.

FORM-006
Revision 1.0

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



ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

July 26, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: PLU C2 FRAC POND

Enclosed are the results of analyses for samples received by the laboratory on 07/25/24 9:42.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/25/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/24/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 57 @ 4' (H244419-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	1.96	98.1	2.00	2.11	
Toluene*	<0.050	0.050	07/25/2024	ND	1.91	95.7	2.00	1.70	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.94	97.1	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.71	95.2	6.00	1.05	QR-03
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/25/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2024	ND	195	97.3	200	4.13	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	188	94.1	200	0.00160	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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: 07/25/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/24/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 58 @ 4' (H244419-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	1.96	98.1	2.00	2.11	
Toluene*	<0.050	0.050	07/25/2024	ND	1.91	95.7	2.00	1.70	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.94	97.1	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.71	95.2	6.00	1.05	
Total BTEX	<0.300	0.300	07/25/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/25/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2024	ND	195	97.3	200	4.13	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	188	94.1	200	0.00160	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 100 % 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: 07/25/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/24/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 59 @ 4' (H244419-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/25/2024	ND	1.96	98.1	2.00	2.11		
Toluene*	<0.050	0.050	07/25/2024	ND	1.91	95.7	2.00	1.70		
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.94	97.1	2.00	1.09		
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.71	95.2	6.00	1.05		
Total BTEX	<0.300	0.300	07/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/25/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2024	ND	195	97.3	200	4.13	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	188	94.1	200	0.00160	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/25/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/24/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 60 @ 4' (H244419-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	1.96	98.1	2.00	2.11	
Toluene*	<0.050	0.050	07/25/2024	ND	1.91	95.7	2.00	1.70	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.94	97.1	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.71	95.2	6.00	1.05	
Total BTEX	<0.300	0.300	07/25/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/25/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2024	ND	195	97.3	200	4.13	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	188	94.1	200	0.00160	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 103 % 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: 07/25/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/24/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BACKFILL SAMPLE (H244419-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/25/2024	ND	1.96	98.1	2.00	2.11		
Toluene*	<0.050	0.050	07/25/2024	ND	1.91	95.7	2.00	1.70		
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.94	97.1	2.00	1.09		
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.71	95.2	6.00	1.05		
Total BTEX	<0.300	0.300	07/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/25/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2024	ND	195	97.3	200	4.13	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	188	94.1	200	0.00160	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 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: 07/25/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/24/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 2 (H244419-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/25/2024	ND	1.96	98.1	2.00	2.11		
Toluene*	<0.050	0.050	07/25/2024	ND	1.91	95.7	2.00	1.70		
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.94	97.1	2.00	1.09		
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.71	95.2	6.00	1.05		
Total BTEX	<0.300	0.300	07/25/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/25/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2024	ND	195	97.3	200	4.13	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	188	94.1	200	0.00160	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 07/25/2024
 Reported: 07/26/2024
 Project Name: PLU C2 FRAC POND
 Project Number: 20698
 Project Location: XTO 32.14977,-103.84655

Sampling Date: 07/24/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 3 (H244419-07)

BTEx 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/25/2024	ND	1.96	98.1	2.00	2.11	
Toluene*	<0.050	0.050	07/25/2024	ND	1.91	95.7	2.00	1.70	
Ethylbenzene*	<0.050	0.050	07/25/2024	ND	1.94	97.1	2.00	1.09	
Total Xylenes*	<0.150	0.150	07/25/2024	ND	5.71	95.2	6.00	1.05	
Total BTEX	<0.300	0.300	07/25/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/25/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2024	ND	195	97.3	200	4.13	
DRO >C10-C28*	<10.0	10.0	07/25/2024	ND	188	94.1	200	0.00160	
EXT DRO >C28-C36	<10.0	10.0	07/25/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

24 hr Rush!!!



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Etech				BILL TO				ANALYSIS REQUEST					
Project Manager: Lance Crenshaw				P.O. #:									
Address:				Company: XTO									
City:				Attn: Amy Ruth									
State:				Address:									
Zip:				City:									
Phone #:				State:									
Fax #:				Zip:									
Project #: PLU C2 Frac				Project Owner:									
Project Name: PLU C2 Frac				Phone #:									
Project Location:				Fax #:									
Sampler Name: Aaron Rios													
FOR LAB USE ONLY													
Lab I.D.		Sample I.D.		MATRIX		PRESERV.		SAMPLING		CL BTEx TPH			
HZ44419													
1 FL 57 @ 4'		C1		X		X		7-24					
2 FL 58 @ 4'		C1		X		X		7-24					
3 FL 59 @ 4'		C1		X		X		7-24					
4 FL 60 @ 4'		C1		X		X		7-24					
5 Backfill Sample		C1		X		X		7-24					
6 NW 2		C1		X		X		7-24					
7 WW 3		C1		X		X		7-24					

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors, arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based on any of the above stated reasons or otherwise.

Relinquished By: [Signature]		Date: 7-25-24		Received By: [Signature]		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Date: 0942		Received By:		All Results are emailed. Please provide Email address:	
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		Turnaround Time:	
Sampler - UPS - Bus - Other:		-0.3		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	
		Corrected Temp. °C		CHECKED BY: (Initials)		Bacteria (only) Sample Condition	
				[Signature]		Cool <input type="checkbox"/> Intact <input type="checkbox"/>	
						Observed Temp. °C	
						Corrected Temp. °C	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Appendix E

Regulatory Correspondence

From: [Bratcher, Michael, EMNRD](#)
To: alan.romero1@exxonmobil.com; [Ben Arguijo](#); [Lance Crenshaw](#); amanda.garcia@exxonmobil.com; amy.ruth@exxonmobil.com; colton.s.brown@exxonmobil.com; kaylan.dirkx@exxonmobil.com; kailee.smith@exxonmobil.com
Cc: [Rodgers, Scott, EMNRD](#); [Wells, Shelly, EMNRD](#)
Subject: RE: [EXTERNAL] XTO C-141N Variance Request - PLU C2 Frac Pond - NAPP2419849771
Date: Monday, August 26, 2024 12:09:50 PM
Attachments: [image001.png](#)

Alan,

Using the last four digits of the incident number, the below listed sample notifications have been removed from 0490. You will need to resubmit them to 9771. The system should let you enter them using the July dates but let me know if you have issues. The variance is approved by default more than anything else as the July sampling data could be rejected based solely on the lack of proper notification.

Thank you,

Mike Bratcher

Incident Supervisor
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave | Artesia, NM 88210
(575) 626-0857 |
mike.bratcher@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd>

From: Romero, Alan <alan.romero1@exxonmobil.com>
Sent: Wednesday, August 21, 2024 12:46 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Ben Arguijo <bena@etechenv.com>; Lance Crenshaw <lance@etechenv.com>; Garcia, Amanda <amanda.garcia@exxonmobil.com>; Ruth, Amy <amy.ruth@exxonmobil.com>; Brown, Colton S <colton.s.brown@exxonmobil.com>; Dirkx, Kaylan <kaylan.dirkx@exxonmobil.com>; Smith, Kailee /C <kailee.smith@exxonmobil.com>
Subject: [EXTERNAL] XTO C-141N Variance Request - PLU C2 Frac Pond - NAPP2419849771

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Afternoon,

XTO is requesting a variance of the 48-hr sampling notification for the PLU C2 Frac Pond (Incident Number NAPP2419849771). The sampling notifications for this incident were mistakenly submitted on 7/11 and 7/16 for another incident at the same location with Incident Number NAPP2401640490, whose closure was approved on 7/18/24. In order to submit a final closure of remediation report, XTO requests that the correct samples be applicable for Incident Number NAPP2419849771 and voided for Incident Number NAPP2401640490. The image below shows the exact sampling ID's

and their correct entry dates that were intended for Incident Number NAPP2419849771:

Sampling Notice	[364635]	07/16/2024		07/16/2024
Sampling Notice	[364634]	07/16/2024		07/16/2024
Sampling Notice	[364632]	07/16/2024		07/16/2024
Sampling Notice	[364630]	07/16/2024		07/16/2024
Sampling Notice	[364626]	07/16/2024		07/16/2024
Sampling Notice	[363384]	07/11/2024		07/11/2024
Sampling Notice	[363383]	07/11/2024		07/11/2024
Sampling Notice	[363381]	07/11/2024		07/11/2024
Sampling Notice	[363380]	07/11/2024		07/11/2024
Sampling Notice	[363374]	07/11/2024		07/11/2024
Sampling Notice	[363373]	07/11/2024		07/11/2024
Sampling Notice	[363371]	07/11/2024		07/11/2024
Sampling Notice	[363369]	07/11/2024		07/11/2024

Please let me know if you have any questions, need any clarifications made, or may offer further guidance regarding this.

Thank you,

Alan Romero

Environmental/Regulatory Advisor

Permian Business Unit – New Mexico Delaware Basin

ExxonMobil Upstream Oil & Gas Company Unconventional

3104 East Greene Street

Carlsbad, New Mexico 88220

Direct: (575) 988-3383

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From: OCDOnline@state.nm.us
To: [Romero, Alan](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 378195
Date: Tuesday, August 27, 2024 10:05:53 AM

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2419849771.

The sampling event is expected to take place:

When: 07/18/2024 @ 08:00

Where: A-11-25S-30E 0 FNL 0 FEL (32.14977,-103.84655)

Additional Information: Dominic Casarez, 432-813-1036

Additional Instructions: From the intersection of Buck Jackson Rd and Twin Wells Rd (32.165521, -103.842637), head S on Buck Jackson Rd for 1.04 mi, then W for 0.15 mi, then S for 0.04 mi, then W for 0.07 mi to arrive at the PLU C2 Frac Pond release area (32.14977, -103.84655).

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

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

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

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

From: OCDOnline@state.nm.us
To: [Romero, Alan](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 378201
Date: Tuesday, August 27, 2024 10:09:13 AM

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2419849771.

The sampling event is expected to take place:

When: 07/19/2024 @ 08:00

Where: A-11-25S-30E 0 FNL 0 FEL (32.14977,-103.84655)

Additional Information: Dominic Casarez, 432-813-1036

Additional Instructions: From the intersection of Buck Jackson Rd and Twin Wells Rd (32.165521, -103.842637), head S on Buck Jackson Rd for 1.04 mi, then W for 0.15 mi, then S for 0.04 mi, then W for 0.07 mi to arrive at the PLU C2 Frac Pond release area (32.14977, -103.84655).

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

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

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

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

From: OCDOnline@state.nm.us
To: [Romero, Alan](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 378210
Date: Tuesday, August 27, 2024 10:10:27 AM

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2419849771.

The sampling event is expected to take place:

When: 07/22/2024 @ 08:00

Where: A-11-25S-30E 0 FNL 0 FEL (32.14977,-103.84655)

Additional Information: Dominic Casarez, 432-813-1036

Additional Instructions: From the intersection of Buck Jackson Rd and Twin Wells Rd (32.165521, -103.842637), head S on Buck Jackson Rd for 1.04 mi, then W for 0.15 mi, then S for 0.04 mi, then W for 0.07 mi to arrive at the PLU C2 Frac Pond release area (32.14977, -103.84655).

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

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

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

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

From: OCDOnline@state.nm.us
To: [Romero, Alan](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 378214
Date: Tuesday, August 27, 2024 10:11:31 AM

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2419849771.

The sampling event is expected to take place:

When: 07/23/2024 @ 08:00

Where: A-11-25S-30E 0 FNL 0 FEL (32.14977,-103.84655)

Additional Information: Dominic Casarez, 432-813-1036

Additional Instructions: From the intersection of Buck Jackson Rd and Twin Wells Rd (32.165521, -103.842637), head S on Buck Jackson Rd for 1.04 mi, then W for 0.15 mi, then S for 0.04 mi, then W for 0.07 mi to arrive at the PLU C2 Frac Pond release area (32.14977, -103.84655).

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

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

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

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

From: OCDOnline@state.nm.us
To: [Romero, Alan](#)
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 378217
Date: Tuesday, August 27, 2024 10:12:43 AM

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

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2419849771.

The sampling event is expected to take place:

When: 07/24/2024 @ 08:00

Where: A-11-25S-30E 0 FNL 0 FEL (32.14977,-103.84655)

Additional Information: Dominic Casarez, 432-813-1036

Additional Instructions: From the intersection of Buck Jackson Rd and Twin Wells Rd (32.165521, -103.842637), head S on Buck Jackson Rd for 1.04 mi, then W for 0.15 mi, then S for 0.04 mi, then W for 0.07 mi to arrive at the PLU C2 Frac Pond release area (32.14977, -103.84655).

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
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 383425

QUESTIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:	5380
	Action Number:	383425
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2419849771
Incident Name	NAPP2419849771 PLU C2 FRAC POND @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	PLU C2 Frac Pond
Date Release Discovered	06/15/2024
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: Human Error Flow Line - Production Produced Water Released: 57 BBL Recovered: 0 BBL Lost: 57 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

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

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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, Page 2

Action 383425

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:	5380
	Action Number:	383425
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
<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	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 09/13/2024
--	--

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
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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 383425

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:	5380
	Action Number:	383425
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 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 1000 (ft.) and ½ (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	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1000 (ft.) and ½ (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
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.	
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)	17600
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	39
GRO+DRO	(EPA SW-846 Method 8015M)	10
BTEX	(EPA SW-846 Method 8021B or 8260B)	0.3
Benzene	(EPA SW-846 Method 8021B or 8260B)	0.1

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

On what estimated date will the remediation commence	07/12/2024
On what date will (or did) the final sampling or liner inspection occur	07/24/2024
On what date will (or was) the remediation complete(d)	07/30/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	12451
What is the estimated volume (in cubic yards) that will be remediated	1612

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.

District I

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District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
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QUESTIONS, Page 4

Action 383425

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 383425
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
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	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	R360 Red Bluff Facility
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 09/13/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 383425

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:	5380
	Action Number:	383425
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

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

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QUESTIONS, Page 6

Action 383425

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 383425
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	378217
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	07/24/2024
What was the (estimated) number of samples that were to be gathered	70
What was the sampling surface area in square feet	11455

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	12451
What was the total volume (cubic yards) remediated	1612
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	12451
What was the total volume (in cubic yards) reclaimed	1568
Summarize any additional remediation activities not included by answers (above)	On July 24, 2024, a 5-point composite soil sample (Backfill Sample) was collected from the imported material stockpiled onsite 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 July 24 through July 30, 2024, upon receiving laboratory analytical results from confirmation soil samples, the excavated area was backfilled with the stockpiled material (characterized by soil sample Backfill Sample) 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 an active frac pond facility and did not impact the adjacent pasture. Final 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

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

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

I hereby agree and sign off to the above statement	Name: Colton Brown Title: Environmental Advisor Email: colton.s.brown@exxonmobil.com Date: 09/13/2024
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QUESTIONS, Page 7

Action 383425

QUESTIONS (continued)

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:	5380
	Action Number:	383425
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

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

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CONDITIONS

Action 383425

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID:
	5380
	Action Number:
	383425
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	Remediation closure request is approved. All confirmation samples meet the Table 1 closure criteria for ground water less than 50 feet. Please note, if nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, data must be no more than 25 years old, and well construction information must be provided. If evidence of depth to ground water within a ½ mile radius of the site cannot be provided, impacted soils will need to meet Table 1 Closure Criteria for ground water at a depth of 50 feet or less.	9/20/2024
scott.rodgers	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	9/20/2024