

Remediation Summary & Soil Closure Request

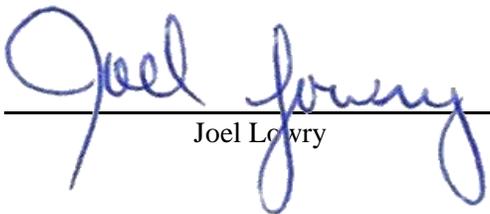
Permian Resources Operating, LLC Misty Ivore CTB

Eddy County, New Mexico
Unit Letter P, Section 35, Township 18 South, Range 30 East
Latitude 32.6996° North, Longitude 103.9356° West
NMOCD Reference No. nAPP2427735134

Prepared By:

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Midland • San Antonio • Lubbock • Hobbs • Lafayette

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1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Permian Resources Operating, LLC, has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the Misty Ivore CTB ("Site"). Details of the release are summarized below:

Location of Release Source

Latitude: 32.6996° Longitude: -103.9356°

Provided GPS are in WGS84 format.

Site Name:	Misty Ivore CTB	Site Type:	Tank Battery
Date Release Discovered:	10/2/2024	Facility ID #:	fAPP2216672586

Unit Letter	Section	Township	Range	County
P	35	18S	30E	Eddy

Surface Owner: State Federal Tribal Private (Name _____)

Nature and Volume of Release

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls)	49	Volume Recovered (bbls)	0
<input type="checkbox"/> Produced Water	Volume Released (bbls)		Volume Recovered (bbls)	
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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:
Normal Operations / Dump Valve

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 Permitting 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?	Estimate or Other
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 1,000 (ft.) and ½ (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?	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	Between 1 and 5 (mi.)
Any other fresh water well or spring?	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field?	Greater than 5 (mi.)
A wetland?	Between 1,000 (ft.) and ½ (mi.)
A subsurface mine?	Between 1 and 5 (mi.)
A (non-karst) unstable area?	Between 200 and 300 (ft.)
Categorize the risk of this well/site being in a karst geology.	High
A 100-year floodplain?	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production or storage site?	<input checked="" type="checkbox"/> Yes <input 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 as 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 provided in the following table:

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

* Measured in milligrams per kilogram (mg/kg)

** Environmental Protection Agency

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

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

4.0 REMEDIATION ACTIVITIES SUMMARY

Requesting a remediation plan approval with this submission?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
Have the lateral and vertical extents of contamination been fully delineated?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
Was this release entirely contained within a lined containment area?	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
On what estimated date will (or did) the remediation commence?	9/16/2025			
On what date will (or did) the final sampling or liner inspection occur?	10/2/2025			
On what date will (or was) the remediation complete(d)?	10/3/2025			
What is the total surface area (sq. ft.) in need of or that will <i>eventually</i> be reclaimed?	19,735			
What is the total volume (cy) in need of or that will <i>eventually</i> be reclaimed?	1,042			
What was the total surface area (sq. ft.) that has or will be remediated?	19,735			
What was the total volume (cy) that has or will be remediated?	1,080			
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?	Lea Land, Inc.			
NMOCD Disposal Facility ID?	fEEM0112342028			
Summarize any additional remediation activities not included by answers above.	See below:			

On September 16, 2025, Etech commenced remediation activities at the Site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and NMOCD Reclamation Standards was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and a chloride test kit were utilized to field-screen the horizontal and vertical extent of impacted soil and to guide the excavation. The sidewalls and floor of the excavation were advanced until field tests and field observations suggested that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards. Representative five-point composite confirmation soil samples were collected every 200 square feet from the sidewalls and floor of the excavated area to be submitted for laboratory analysis. A summary of soil sampling events is provided in the following table:

Constituent	Highest Observable Concentration	Sample ID	Sample Date	Sample Depth (ft bgs)	Soil Status
Chloride	720 mg/kg	FL 3 @ 4'	9/17/2025	4	Excavated
TPH	237 mg/kg	FL 45 @ 2'	9/26/2025	2	Excavated
GRO+DRO	174 mg/kg	FL 45 @ 2'	9/26/2025	2	Excavated
BTEX	<0.300 mg/kg	All Soil Samples	All Sample Dates	0 to 8	Various
Benzene	<0.050 mg/kg	All Soil Samples	All Sample Dates	0 to 8	Various

Please reference Table 1 for additional information.

On September 17, 2025, Etech collected 22 confirmation soil samples (FL 1 @ 4' through FL 22 @ 2') from the floor of the excavated area. The soil samples were submitted to a certified, commercial laboratory ("the laboratory") for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and TPH concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. Chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in the majority of the submitted soil samples, with the exception of samples FL 3 @ 4' (720 mg/kg) and FL 4 @ 4' (688 mg/kg).

Based on these laboratory analytical results, the excavation was subsequently advanced in the areas represented by soil samples FL 3 @ 4' and FL 4 @ 4'.

On September 18, 2025, Etech collected 19 confirmation soil samples (FL 23 @ 2' through FL 36 @ 2', EW 1, EW 2, NW 1, NW 2, and WW 1) from the floor and sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. TPH concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in the majority of the submitted soil samples, with the exception of samples FL 29 @ 2' (183 mg/kg), FL 30 @ 2' (198 mg/kg), FL 31 @ 2' (193 mg/kg), FL 33 @ 2' (143 mg/kg), FL 34 @ 2' (193 mg/kg), and FL 35 @ 2' (160 mg/kg).

Based on these laboratory analytical results, the excavation was subsequently advanced in the areas represented by soil samples FL 29 @ 2', FL 30 @ 2', FL 31 @ 2', FL 33 @ 2', FL 34 @ 2', and FL 35 @ 2'.

On September 26, 2025, Etech collected 73 confirmation soil samples (FL 3 @ 5', FL 4 @ 5', FL 29 @ 3', FL 30 @ 3', FL 31 @ 3', FL 33 @ 3', FL 34 @ 3', FL 35 @ 3', FL 37 @ 8' through FL 93 @ 2', EW 3, EW 4, NW 3, SW 1, SW 2, SW 3, WW 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 and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. TPH concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in the majority of the submitted soil samples, with the exception of samples FL 45 @ 2' (237 mg/kg), FL 47 @ 2' (110 mg/kg), FL 72 @ 3" (132 mg/kg), FL 73 @ 3" (137 mg/kg), and FL 74 @ 3" (117 mg/kg).

Based on these laboratory analytical results, the excavation was subsequently advanced in the areas represented by soil samples FL 45 @ 2', FL 47 @ 2', FL 72 @ 3", FL 73 @ 3", and FL 74 @ 3".

On October 2, 2025, Etech collected five (5) confirmation soil samples (FL 45 @ 3', FL 47 @ 3', FL 72 @ 1', FL 73 @ 1', and FL 74 @ 1') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples.

The final dimensions of the excavated area were approximately ten (10) to 250 feet in length, ten (10) to 170 feet in width, and three (3) inches to eight (8) feet in depth. During the course of remediation activities, Etech transported approximately 1,080 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 1,020 cubic yards of locally sourced, non-impacted material to the Site for use as backfill.

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

5.0 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?	19,735	
What was the total volume (cy) remediated?	1,080	

Remediation activities were conducted in accordance with NMOCD regulatory guidelines. Impacted soil affected above the NMOCD Closure Criteria and 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 Permian Resources Operating, LLC, provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request remediation closure approval be granted to the Site.

6.0 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 type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Requesting a restoration complete approval with this submission?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
What was the total surface area (in square feet) reclaimed?	12,089	
What was the total volume (in cubic yards) reclaimed?	605	

On September 29 through October 3, 2025, upon receiving laboratory analytical results from confirmation soil samples, the excavated area was backfilled with locally sourced, non-impacted “like” material characterized by soil samples “Stockton Backfill Pit” and “Stockpile 1”. Excavation backfill was placed at or near original relative positions, compacted, and then contoured to achieve erosion control, stability, and preservation of surface water flow to the extent practicable.

On October 9, 2025, Etech commenced restoration activities at the Site. The reclaimed pasture area was revegetated with a BLM #2 seed mix certified to be free from noxious weeds. The seed was installed at the prescribed rate utilizing a broadcaster and harrow. Photographic documentation of the seeding event and a copy of the seed tag are provided in Appendix C.

The release involved the production pad of an active tank battery and the adjacent pasture. Final reclamation and restoration of the production pad will be conducted upon decommissioning and abandonment of the facility.

7.0 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 Permian Resources Operating, LLC. Use of the information contained in this report is prohibited without the consent of Etech and/or Permian Resources Operating, LLC.

8.0 DISTRIBUTION

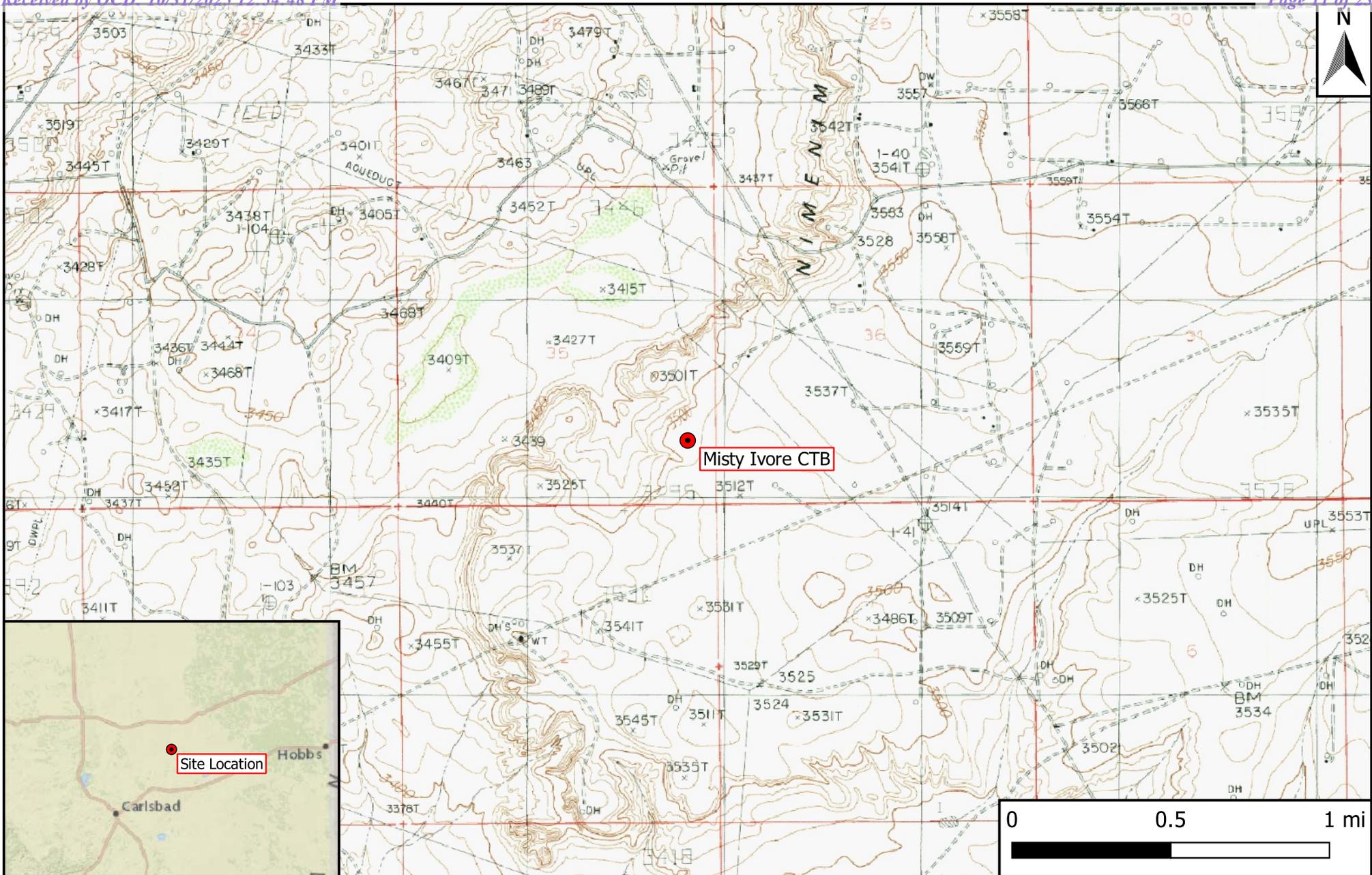
Permian Resources Operating, LLC
300 N. Marienfeld St. Suite 100
Midland, TX 79701

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
 Permian Resources Operating, LLC
 Misty Ivore CTB
 GPS: 32.6996, -103.9356
 Eddy County, New Mexico



Drafted: mag Checked: rlc Date: 2025-10-16

Figures 2A & 2B

Site Characterization Maps

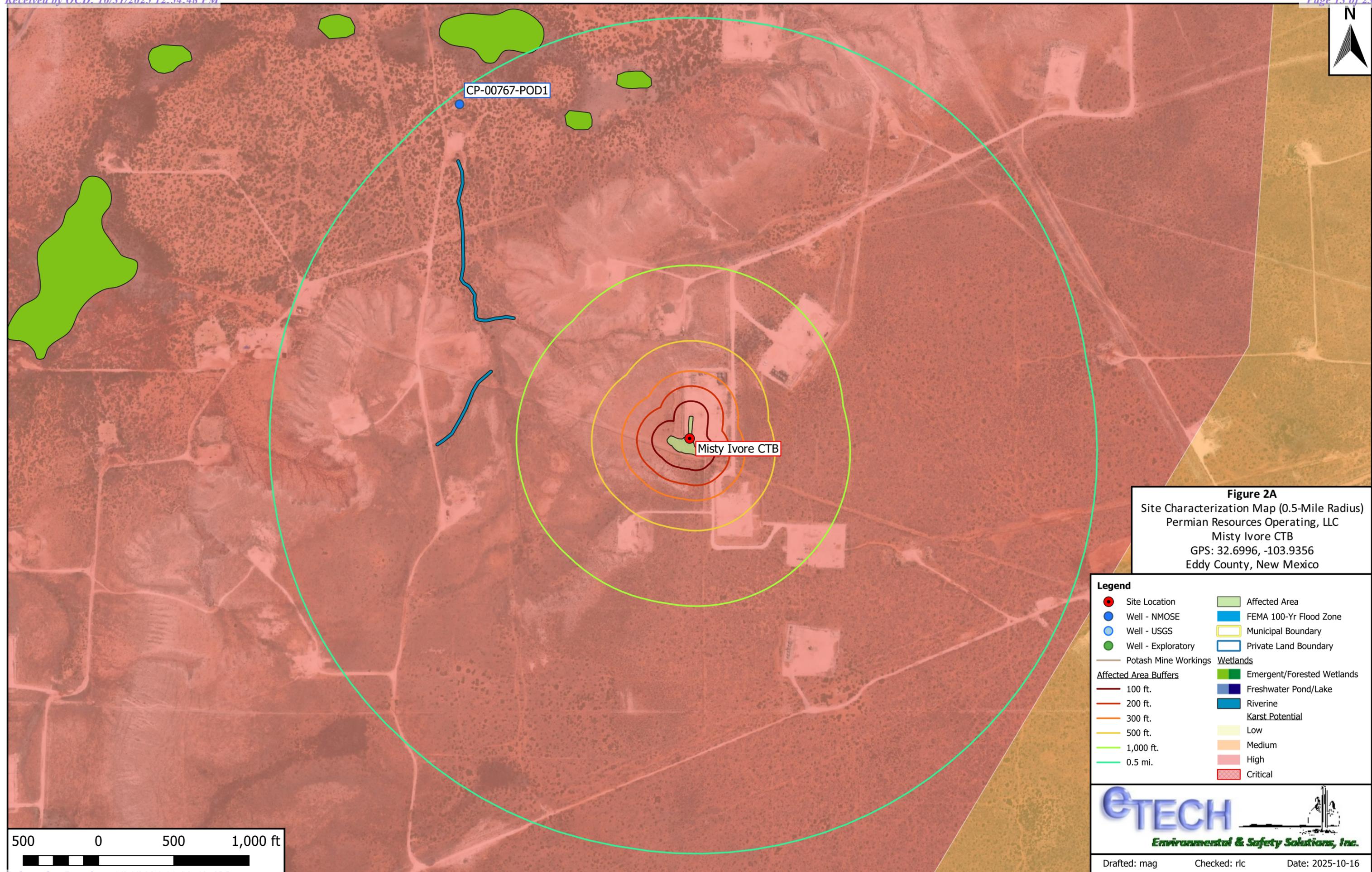
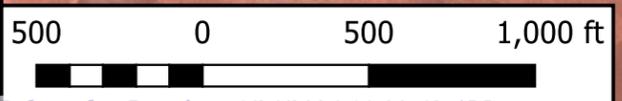


Figure 2A
 Site Characterization Map (0.5-Mile Radius)
 Permian Resources Operating, LLC
 Misty Ivore CTB
 GPS: 32.6996, -103.9356
 Eddy County, New Mexico

Legend	
●	Site Location
●	Well - NMOSE
●	Well - USGS
●	Well - Exploratory
	Potash Mine Workings
	Affected Area
	FEMA 100-Yr Flood Zone
	Municipal Boundary
	Private Land Boundary
	Emergent/Forested Wetlands
	Freshwater Pond/Lake
	Riverine
	Karst Potential
	Low
	Medium
	High
	Critical



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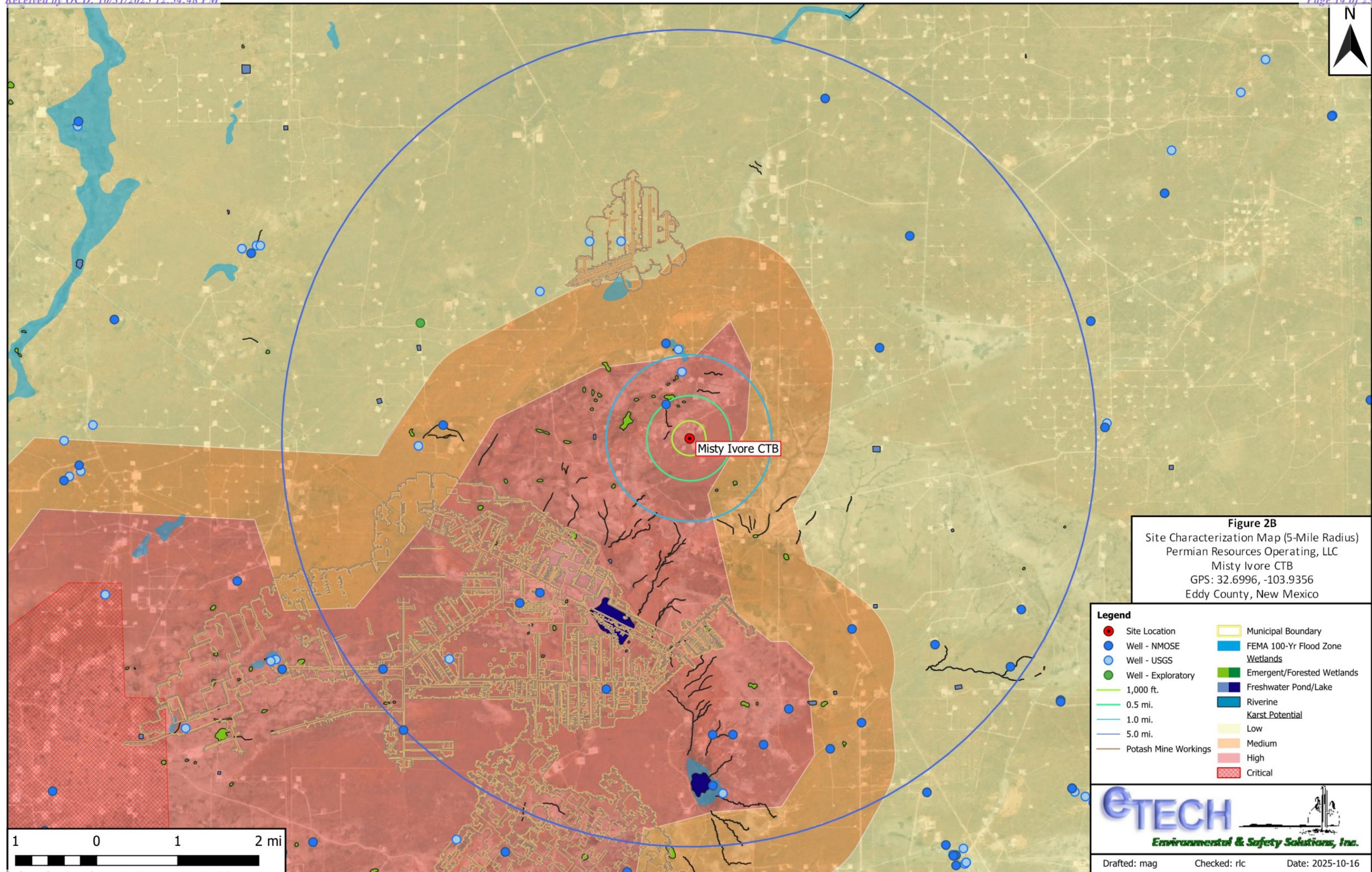


Figure 2B
 Site Characterization Map (5-Mile Radius)
 Permian Resources Operating, LLC
 Misty Ivore CTB
 GPS: 32.6996, -103.9356
 Eddy County, New Mexico

Legend

Site Location	Municipal Boundary
Well - NMOSE	FEMA 100-Yr Flood Zone
Well - USGS	Wetlands
Well - Exploratory	Emergent/Forested Wetlands
1,000 ft.	Freshwater Pond/Lake
0.5 mi.	Riverine
1.0 mi.	Karst Potential
5.0 mi.	Low
Potash Mine Workings	Medium
	High
	Critical



Drafted: mag Checked: rlc Date: 2025-10-16

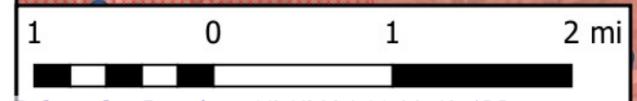
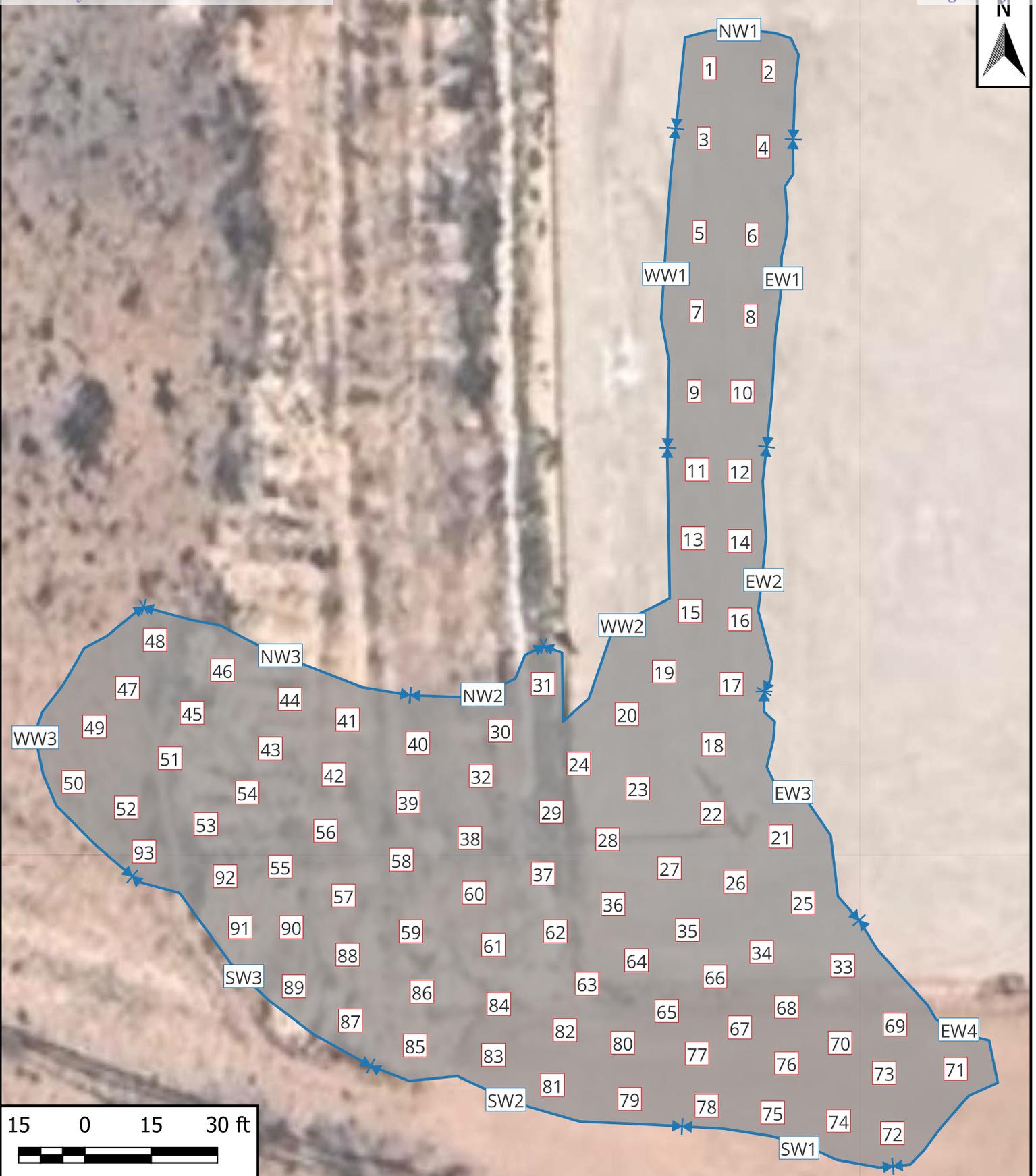


Figure 3 Sample Location Map



Legend

	Floor Confirmation Sample
	Wall Confirmation Sample
	Excavated Area - 19,735 Sq Ft

Figure 3
 Sample Location Map
 Permian Resources Operating, LLC
 Misty Ivore CTB
 GPS: 32.6996, -103.9356
 Eddy County, New Mexico

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Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Permian Resources Operating, LLC
Misty Ivore CTB
NMOCD Ref. #: nAPP2427735134

NMOCD Closure Criteria				10	50	-	-	-	-	100	600
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
FL 1 @ 4'	9/17/2025	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 2 @ 4'	9/17/2025	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 3 @ 4'	9/17/2025	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	720
FL 3 @ 5'	9/26/2025	5	In-Situ	<0.050	<0.300	<10.0	15.5	15.5	<10.0	15.5	<16.0
FL 4 @ 4'	9/17/2025	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	688
FL 4 @ 5'	9/26/2025	5	In-Situ	<0.050	<0.300	<10.0	14.5	14.5	<10.0	14.5	32.0
FL 5 @ 2'	9/17/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
FL 6 @ 2'	9/17/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 7 @ 1'	9/17/2025	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
FL 8 @ 1'	9/17/2025	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
FL 9 @ 1'	9/17/2025	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 10 @ 1'	9/17/2025	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 11 @ 1'	9/17/2025	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 12 @ 1'	9/17/2025	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 13 @ 2'	9/17/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 14 @ 2'	9/17/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 15 @ 2'	9/17/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 16 @ 2'	9/17/2025	2	In-Situ	<0.050	<0.300	<10.0	23.1	23.1	<10.0	23.1	64.0
FL 17 @ 2'	9/17/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 18 @ 2'	9/17/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 19 @ 2'	9/17/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 20 @ 2'	9/17/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 21 @ 2'	9/17/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 22 @ 2'	9/17/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 23 @ 2'	9/18/2025	2	In-Situ	<0.050	<0.300	<10.0	28.4	28.4	<10.0	28.4	32.0
FL 24 @ 2'	9/18/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 25 @ 2'	9/18/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 26 @ 2'	9/18/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 27 @ 2'	9/18/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 28 @ 2'	9/18/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 29 @ 2'	9/18/2025	2	Excavated	<0.050	<0.300	<10.0	137	137	46.4	183	32.0
FL 29 @ 3'	9/26/2025	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 30 @ 2'	9/18/2025	2	Excavated	<0.050	<0.300	<10.0	145	145	52.9	198	<16.0
FL 30 @ 3'	9/26/2025	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 31 @ 2'	9/18/2025	2	Excavated	<0.050	<0.300	<10.0	138	138	55.4	193	<16.0
FL 31 @ 3'	9/26/2025	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 32 @ 2'	9/18/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 33 @ 2'	9/18/2025	2	Excavated	<0.050	<0.300	<10.0	106	106	37.4	143	48.0
FL 33 @ 3'	9/26/2025	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 34 @ 2'	9/18/2025	2	Excavated	<0.050	<0.300	<10.0	141	141	51.9	193	<16.0
FL 34 @ 3'	9/26/2025	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Red Border with Shading: Highest observed concentration.

Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Permian Resources Operating, LLC
Misty Ivore CTB
NMOCD Ref. #: nAPP2427735134

NMOCD Closure Criteria				10	50	-	-	-	-	100	600
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
FL 35 @ 2'	9/18/2025	2	Excavated	<0.050	<0.300	<10.0	115	115	45.0	160	<16.0
FL 35 @ 3'	9/26/2025	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 36 @ 2'	9/18/2025	2	In-Situ	<0.050	<0.300	<10.0	20.0	20.0	<10.0	20.0	<16.0
FL 37 @ 8'	9/26/2025	8	In-Situ	<0.050	<0.300	<10.0	16.1	16.1	<10.0	16.1	64.0
FL 38 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 39 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 40 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	19.5	19.5	<10.0	19.5	<16.0
FL 41 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	68.5	68.5	25.9	94.4	<16.0
FL 42 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 43 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 44 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 45 @ 2'	9/26/2025	2	Excavated	<0.050	<0.300	<10.0	174	174	62.5	237	16.0
FL 45 @ 3'	10/2/2025	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 46 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 47 @ 2'	9/26/2025	2	Excavated	<0.050	<0.300	<10.0	79.1	79.1	31.0	110	<16.0
FL 47 @ 3'	10/2/2025	3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 48 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 49 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 50 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 51 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	57.4	57.4	21.1	78.5	<16.0
FL 52 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 53 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 54 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 55 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	29.7	29.7	<10.0	29.7	<16.0
FL 56 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	35.8	35.8	<10.0	35.8	<16.0
FL 57 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 58 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 59 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 60 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 61 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 62 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 63 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 64 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 65 @ 3"	9/26/2025	0.25	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 66 @ 3"	9/26/2025	0.25	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 67 @ 3"	9/26/2025	0.25	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 68 @ 3"	9/26/2025	0.25	In-Situ	<0.050	<0.300	<10.0	66.5	66.5	<10.0	66.5	<16.0
FL 69 @ 3"	9/26/2025	0.25	In-Situ	<0.050	<0.300	<10.0	80.3	80.3	<10.0	80.3	16.0
FL 70 @ 3"	9/26/2025	0.25	In-Situ	<0.050	<0.300	<10.0	58.9	58.9	<10.0	58.9	<16.0
FL 71 @ 3"	9/26/2025	0.25	In-Situ	<0.050	<0.300	<10.0	88.2	88.2	<10.0	88.2	<16.0
FL 72 @ 3"	9/26/2025	0.25	Excavated	<0.050	<0.300	<10.0	132	132	<10.0	132	<16.0

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Red Border with Shading: Highest observed concentration.

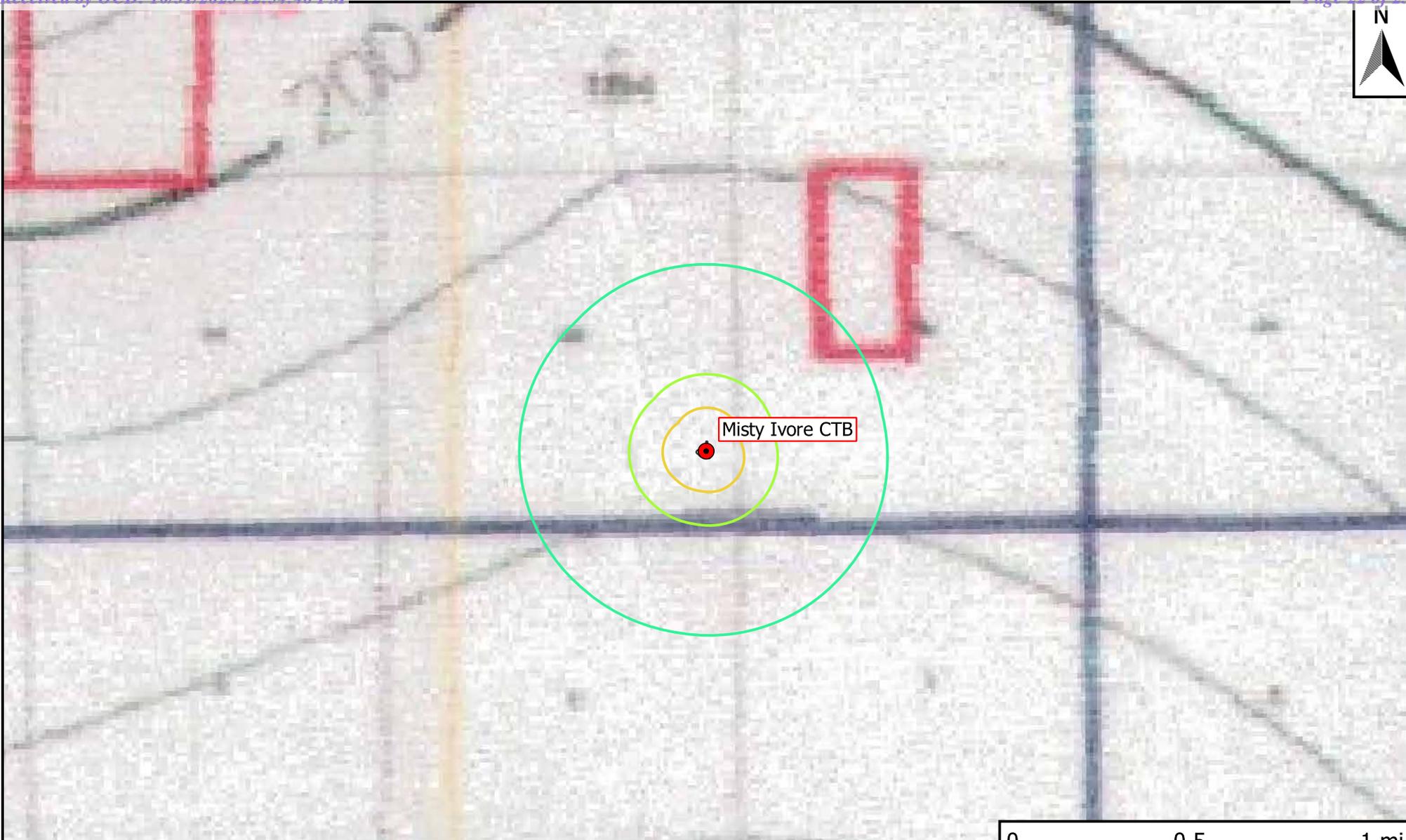
Table 1
Concentrations of BTEX, TPH, and Chloride in Soil
Permian Resources Operating, LLC
Misty Ivore CTB
NMOCD Ref. #: nAPP2427735134

NMOCD Closure Criteria				10	50	-	-	-	-	100	600
NMOCD Reclamation Standard				10	50	-	-	-	-	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
FL 72 @ 1'	10/2/2025	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 73 @ 3"	9/26/2025	0.25	Excavated	<0.050	<0.300	<10.0	137	137	<10.0	137	<16.0
FL 73 @ 1'	10/2/2025	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 74 @ 3"	9/26/2025	0.25	Excavated	<0.050	<0.300	<10.0	117	117	<10.0	117	<16.0
FL 74 @ 1'	10/2/2025	1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 75 @ 3"	9/26/2025	0.25	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 76 @ 3"	9/26/2025	0.25	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 77 @ 3"	9/26/2025	0.25	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 78 @ 3"	9/26/2025	0.25	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 79 @ 3"	9/26/2025	0.25	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 80 @ 3"	9/26/2025	0.25	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 81 @ 3"	9/26/2025	0.25	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 82 @ 3"	9/26/2025	0.25	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 83 @ 3"	9/26/2025	0.25	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 84 @ 3"	9/26/2025	0.25	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
FL 85 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 86 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 87 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 88 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 89 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 90 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 91 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 92 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 93 @ 2'	9/26/2025	2	In-Situ	<0.050	<0.300	<10.0	11.5	11.5	<10.0	11.5	16.0
EW 1	9/18/2025	0-5	In-Situ	<0.050	<0.300	<10.0	54.5	54.5	14.6	69.1	48.0
EW 2	9/18/2025	0-2	In-Situ	<0.050	<0.300	<10.0	35.8	35.8	<10.0	35.8	48.0
EW 3	9/26/2025	0-2	In-Situ	<0.050	<0.300	<10.0	29.1	29.1	<10.0	29.1	16.0
EW 4	9/26/2025	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
NW 1	9/18/2025	0-5	In-Situ	<0.050	<0.300	<10.0	43.7	43.7	13.7	57.4	48.0
NW 2	9/18/2025	0-3	In-Situ	<0.050	<0.300	<10.0	50.8	50.8	15.1	65.9	48.0
NW 3	9/26/2025	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW 1	9/26/2025	0-1	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW 2	9/26/2025	0-2	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW 3	9/26/2025	0-2	In-Situ	<0.050	<0.300	<10.0	12.2	12.2	<10.0	12.2	16.0
WW 1	9/18/2025	0-5	In-Situ	<0.050	<0.300	<10.0	48.1	48.1	12.6	60.7	48.0
WW 2	9/26/2025	0-3	In-Situ	<0.050	<0.300	<10.0	11.7	11.7	<10.0	11.7	16.0
WW 3	9/26/2025	0-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
Stockpile 1	8/29/2025	N/A	Backfill	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
Stockton Backfill Pit	12/10/2024	N/A	Backfill	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0

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

Appendix A

Depth to Groundwater Information



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



Legend	
● Active Site Locations	 Affected Area
● Well - NMOSE	 500 ft.
● Well - USGS	 1,000 ft.
● Well - Exploratory	 0.5 mi.

Figure 4
 Inferred Depth to Groundwater Map
 Permian Resources Operating, LLC
 Misty Ivore CTB
 GPS: 32.6996, -103.9356
 Eddy County, New Mexico

Drafted: mag Checked: rlc Date: 2025-10-16



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Data Category:

Groundwater

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Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 324241103561201

Minimum number of levels = 1

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

USGS 324241103561201 18S.30E.26.4140

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°42'41", Longitude 103°56'12" NAD27

Land-surface elevation 3,432 feet above NAVD88

The depth of the well is 230 feet below land surface.

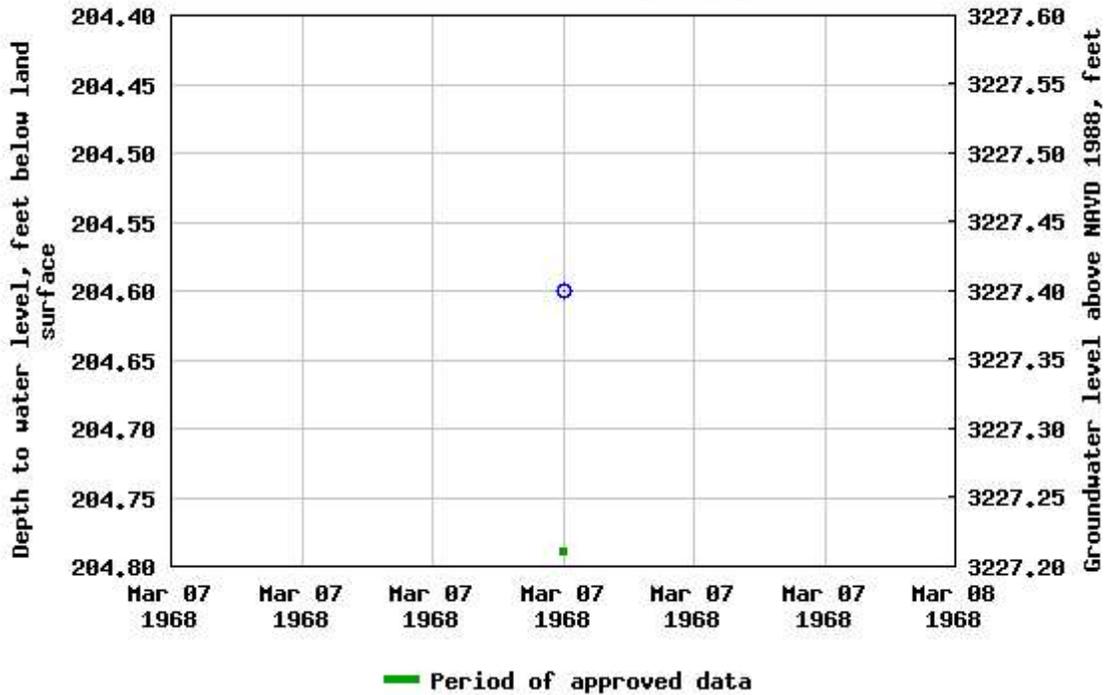
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

USGS 324241103561201 18S.30E.26.4140



Breaks in the plot represent a gap of at least one year between field measurements.

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



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

Page Last Modified: 2024-10-29 14:56:08 EDT

0.68 0.48 nadww02

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
	CP 00767 POD1		SW	NE	35	18S	30E	599300.0	3619158.0 *	

* UTM location was derived from PLSS - see Help

Driller License: _____ **Driller Company:** _____

Driller Name: _____

Drill Start Date: _____ **Drill Finish Date:** _____ **Plug Date:** _____

Log File Date: _____ **PCW Rcv Date:** _____ **Source:** _____

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

Casing Size: 5.50 **Depth Well:** 500 **Depth Water:** _____

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

10/29/24 12:57 PM MST

Point of Diversion Summary

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APPLICATION FOR PERMIT

To Appropriate the Underground Waters of the State of New Mexico

Trn. # 599429

Date Received November 14, 1991 File No. CP-767

- Name of applicant P. R. Patton
Mailing address 528 Petroleum Building
City and State Roswell, NM 88201-4676
- Source of water supply Rustler Formation, located in Capitan Underground
(artesian or shallow water aquifer) W $\frac{1}{2}$ W $\frac{1}{2}$ 3 (name of underground basin)
- The well is to be located in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 9 Township 19 South
Range 30 East N.M.P.M., or Tract No. _____ of Map No. _____ of the _____ District,
on land owned by United States of America
- Description of well: name of driller Abbott Bros.
Outside Diameter of casing 13-3/8 inches; Approximate depth to be drilled 450 feet;
- Quantity of water to be appropriated and beneficially used 300 ac. ft /annum acre feet,
(consumptive use, ~~diversion~~)
for Secondary Recovery of Oil purposes.
- Acreage to be irrigated or place of use see remarks acres.

Subdivision	Section	Township	Range	Acres	Owner

STATE ENGINEER OFFICE
SANTA FE NEW MEXICO
'91 DEC 10 AM 10 24

7. Additional statements or explanations Application is made to appropriate non-potable brine waters from the Rustler Formation at a depth of ±350 ft. (Predicted salinities are on the order of 78,000--138,000 mg/l.) The Water so appropriated will be used for injection in the Shugart-Yates/Seven Rivers/Queen/ Grayburg oilfield located in the SE $\frac{1}{4}$ T18S, R30E.

Santa Fe, New Mexico
MARCH 31 1999
 This application No. CP-767
 is hereby withdrawn at the request
 of the applicant and is not subject
 to reinstatement.
 By Thomas C. Turner
 State Engineer
 Water Rights Division

I, P.R. Patton, affirm that the foregoing statements are true to the best of my knowledge and belief and that development shall not commence until approval of the permit has been obtained.

P.R. Patton, Permittee,
By: [Signature]

Subscribed and sworn to before me this 14th day of November, A.D., 19 91.
My commission expires April 13, 1995
Peggy Cox
Notary Public

POD Renumbered
From: CP-767
To: CP-767-PODI

Number of this permit _____

ACTION OF STATE ENGINEER

After notice pursuant to statute and by authority vested in me, this application is approved provided it is not exercised to the detriment of any others having existing rights; further provided that all rules and regulations of the State Engineer pertaining to the drilling of _____ wells be complied with; and further subject to the following conditions: _____

Proof of completion of well shall be filed on or before _____, 19 _____

Proof of application of water to beneficial use shall be filed on or before _____, 19 _____

Witness my hand and seal this _____ day of 19⁹⁹, A.D., 19 _____

S. E. Reynolds, State Engineer

Santa Fe, New Mexico
MARCH 31
This application No. CP-767
is hereby withdrawn at the request
of the applicant and is not subject
to reinstatement.
Thomas C. Turney
State Engineer
By _____
Water Rights Division

By: _____

INSTRUCTIONS

This form shall be executed, preferably typewritten, in triplicate and shall be accompanied by a filing fee of \$5.00. Each of triplicate copies must be properly signed and attested.

A separate application for permit must be filed for each well used.

Secs. 1-4--Fill out all blanks fully and accurately.

Sec. 5--Irrigation use shall be stated in acre feet of water per acre per annum to be applied on the land. If for municipal or other purposes, state total quantity in acre feet to be used annually.

Sec. 6--Describe only the lands to be irrigated or where water will be used. If on unsurveyed lands describe by legal subdivision "as projected" from the nearest government survey corners, or describe by metes and bounds and tie survey to some permanent, easily located natural object.

Sec. 7--If lands are irrigated from any other source, explain in this section. Give any other data necessary to fully describe water right sought.

**OFFICE OF THE STATE ENGINEER
STATE OF NEW MEXICO
HEARING UNIT**

OFFICE OF
STATE ENGINEER
SANTA FE, NEW MEXICO
'99 APR 16 PM 3 56

MEMORANDUM

TO: Paul Saavedra, Director
Water Rights

FROM: *js* Eileen Serna, Administrator
Hearing Unit

RE: HU No. 99-004; P. R. Patton
OSE File No. CP-767

Date: April 16, 1999

Attached is the original Notice of Dismissal in the above referenced case.

'99 APR 16 AM 11 42

April 15, 1999

STATE ENGINEER OFFICE
SANTA FE NEW MEXICO

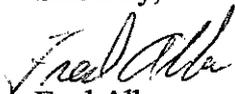
Mr. Louis D. O'Dell
Hearing Examiner
Hearing Unit
Office of the State Engineer
P.O. Box 25102
Santa Fe, New Mexico 87504-5102

Re: P.R. Patton
Hearing Case No. 99-004
OSE No. CP-767

Dear Mr. O'Dell:

Enclosed for the State Engineer file is the original Notice of Dismissal in connection with the referenced case.

Sincerely,



Fred Allen
Hearing Examiner

Enclosure

'9 'R 16 AM 11 43

STATE ENGINEER OFFICE
SANTA FE NEW MEXICO
BEFORE THE NEW MEXICO STATE ENGINEER

**IN THE MATTER OF THE APPLICATION)
BY P. R. PATTON FOR PERMIT TO)
APPROPRIATE UNDERGROUND WATERS)
OF THE CAPITAN UNDERGROUND)
WATER BASIN OF THE STATE OF NEW)
MEXICO)**

**HEARING CASE NO. 99-004
OSE FILE NO. CP-767**

NOTICE OF DISMISSAL

WHEREAS, the Applicant, P. R. Patton, voluntarily withdrew the above referenced Application by letter dated March 9, 1999 and filed with the Office of the New Mexico State Engineer on March 11, 1999..

IT IS THEREFORE ORDERED that the hearing of this matter is dismissed.


Fred Allen
Hearing Examiner

Dated this 15th day of April, 1999

CERTIFICATE OF MAILING

HU # 99-044

I certify that this Notice of Dismissal was mailed to the following parties on the
16th day of April, 1999.


F. Eileen Serna, Administrator

APPLICANT:

P. R. Patton
P. R. Patton & Associates Consulting Engineers
528 Petroleum Building
Roswell, New Mexico 88201-4676

OSE:

Judy Hutchison, Esq.
New Mexico Office of the State Engineer
Legal Services Division
Post Office Box 25102
Santa Fe, New Mexico 87504-5102



STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER
SANTA FE

THOMAS C. TURNEY
State Engineer

BATAAN MEMORIAL BUILDING, ROOM 101
POST OFFICE BOX 25102
SANTA FE, NEW MEXICO 87504-5102
(505) 827-6175
FAX: (505) 827-6188

April 5, 1999

Fred Allen
Water Resource Consultant
6800 Tesoro Pl., NE
Albuquerque, New Mexico 87113

**RE: HU No. 99-004; In the Matter of the Application By P. R. Patton
CP-767**

Dear Mr. Allen:

Enclosed is a copy of the Appointment of Hearing Examiner appointing you as the hearing examiner in this case. The appointment was approved by the state engineer on March 19, 1999. Also enclosed are copies of documents from the water rights file concerning the above case which includes a letter from P. R. Patton withdrawing the application. We will need a Notice of Dismissal (sample enclosed). If anything further is needed please let me know.

Sincerely,

F. Eileen Serna
Administrator
Hearing Unit



STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER
SANTA FE

THOMAS C. TURNEY
State Engineer

31 March 1999

BATAAN MEMORIAL BUILDING, ROOM 101
POST OFFICE BOX 25102
SANTA FE, NEW MEXICO 87504-5102
(505) 827-6175
FAX: (505) 827-6188

P.R. Patton
P.R. Patton & Associates Consulting Engineers
528 Petroleum Building
Roswell, New Mexico 88201-4676

Re: Withdrawal of Application CP-767

Application CP-767 for Permit to Appropriate the Underground Waters of the State of New Mexico has been withdrawn not subject to reinstatement. The application was withdrawn as requested in the letter from P.R. Patton which was filed at the Roswell Office of the State Engineer on 11 March 1999.

Feel free to contact me if you need further assistance.

Sincerely,

Paul M Wells
Water Rights Division

cc: District II - Roswell

RECEIVED
MARCH 31 1999
DISTRICT II
ROSWELL

**OFFICE OF THE STATE ENGINEER
STATE OF NEW MEXICO
HEARING UNIT**

MEMORANDUM

TO: Paul Saavedra, Director
Water Rights

FROM: *ES* Eileen Serna, Administrator
Hearing Unit

RE: Appointments of Hearing Examiners and Order to Provide Documents
HU Nos. 99-002, 99-003, ~~99-004~~ 99-005, 99-006, 99-007, 99-008,
99-009, 99-010 and 99-011

Date: March 22, 1999

The originals of the above mentioned documents are attached.

NEW MEXICO OFFICE OF THE STATE ENGINEER

HEARINGS UNIT

INTEROFFICE MEMORANDUM

TO: Ted Apodaca, LSD Director
Judy Hutchison, LSD Deputy Director
Paul Saavedra, WRD Chief
Linda Gordon, WRD
Don Lopez, TSD Director
Tom Morrison, Hydrology Bureau Chief

FROM: The Hearings Unit *SPO M*

DATE: March 22, 1999

SUBJECT: Appointment of Hearing Examiners For Ten Cases From the Backlog

Attached you will find ten (10) Appointment of Hearing Examiners and Order to Provide Documents for cases selected to proceed to hearing. Please advise the Hearings Unit, on or before Friday, March 26, 1999, of the names of the attorneys assigned to each case. The Hearings Unit will then contact those attorneys to schedule prehearing conference dates. Please note that certain documents for each case are to be submitted to the Hearings Unit by the WRD on or before April 2, 1999 as per the State Engineer's Orders.

Your cooperation in this matter is appreciated.

BEFORE THE NEW MEXICO STATE ENGINEER ~~NOVEMBER~~ 22 PM 1 32

IN THE MATTER OF THE APPLICATION)
BY C. P. PATTON FOR PERMIT TO USE)
WATERS WITHIN THE CAPITAN UNDER-)
GROUND WATER BASIN NEW MEXICO)

STATE ENGINEER OFFICE
SANTA FE NEW MEXICO
HEARING NO. 99-004
OSE FILE NO. CP-767

**APPOINTMENT OF HEARING EXAMINER AND
ORDER TO PROVIDE DOCUMENTS**

Pursuant to Section 72-2-12 NMSA 1978 (1997 Repl.), I, Thomas C. Turney, New Mexico State Engineer, do hereby appoint Frederick R. Allen as Hearing Examiner in the above-captioned matter, to decide all matters related to the proceeding and to submit to me Findings of Fact and a Recommendation, in a timely manner after the administrative hearing has concluded.

The Water Rights Division of the Office of the State Engineer shall, on or before April 2, 1999, provide the following information and documents concerning this matter to the Hearings Unit:

1. A copy of the application and the name and address of the applicant and any attorney(s) representing the applicant.
2. A copy of the Affidavit of Publication with text of the Legal Notice.
3. Copies of any protest letters and the names and addresses of each protestant and any attorneys representing any of the protestants.
4. A copy of the letter requesting a hearing.

IT IS SO ORDERED THIS 19th DAY OF MARCH 1999.

Thomas C. Turney
THOMAS C. TURNEY
NEW MEXICO STATE ENGINEER



MEMORANDUM OF RECOMMENDATION

DATE: March 17, 1999
 FILE: CP-767
 TO: Paul Saavedra, Chief, Water Rights Division
 FROM: Fred McMinn, Water Resource Specialist II
 THRU: Johnny R. Hernandez, Lea County Basin Supervisor and
 Art Mason, District II Supervisor
 SUBJECT: Withdrawal of Application No. CP-767
 APPLICANT: P.R. Patton

CONSIDERATIONS: Application No. CP-767 was filed with this office on November 14, 1991, and was advertised in the Carlsbad Current-Argus on November 27, December 4 and 11, 1991. Affidavit of Publication was received by this office on December 19, 1991.

The subject application proposed to appropriate 300.0 acre-feet per annum from the Rustler Formation of the Capitan Underground Water Basin by drilling a well 13 3/8 inches in diameter and approximately 450 feet in depth at a point in the W¹/₂W¹/₂ of Section 3 or in the E¹/₂E¹/₂ of Section 4, Township 19 South, Range 30 East, N.M.P.M., for the secondary recovery of oil by waterflooding in the Shugart-Yates/Seven Rivers/Queen/Grayburg oilfield located in the SE¹/₄ of Township 18 South, Range 30 East.

On December 9, 1991 a protest was received on application No. CP-767, filed by AMAX Potash Corporation. The protest was filed in a timely manner.

A certified letter with Return Receipt Requested, sent to the applicant on March 4, 1999 advised him that the Hearing Unit is scheduling proposed hearings from a list of protested applications and CP-767 has been selected from the list. It was requested that he advise this office as to his desire in handling this matter.

The Return Receipt Card #P-067-535-536 was received in this office March 8, 1999.

OFFICE OF
 STATE ENGINEER
 SANTA FE, NEW MEXICO
 '99 MAR 19 PM 2 04

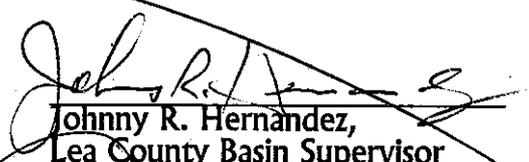
File: CP-767
Page Two

The applicant, P.R. Patton, has submitted a written statement stating that he wishes to withdraw application No. CP-767, (see attached letter received in this office March 11, 1999).

RECOMMENDATION:

It is recommended that Application No. CP-767 be withdrawn as per the applicant's request.


Fred McMinn,
Water Resource Specialist II


Johnny R. Hernandez,
Lea County Basin Supervisor


Art Mason,
District II Supervisor

JRH/jf
cc: Santa Fe



P.R. Patton & Associates

505/622-9106

Petroleum Bldg./ Roswell, N.M 88201

Consulting Engineers

March 9, 1999

Mr. Johnny R. Hernandez
Office of the State Engineer
1900 W. Second,
Roswell, NM 88201

RE File CP-767

Dear Mr. Hernandez:

In response to your letter of March 4, 1999 regarding the scheduling of a hearing on the above protested application, please be advised that I wish to withdraw the above numbered application. No hearing will be necessary, and you may clear the docket of this matter.

Sincerely,

P.R. Patton

MAR 11 1999

MEMORANDUM

DATE: March 5, 1999
TO: Art Mason, District II Supervisor
FROM: Johnny R. Hernandez, Lea County Basin Supervisor
REF: CP-767 and CP-773

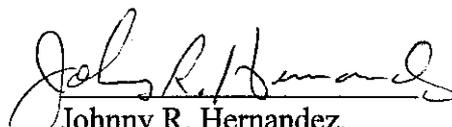
Concerning the pending protested applications Nos. CP-767 and CP-773; I have contacted Applicant P.R. Patton for CP-767 and discussed the Hearing situation, he has informed me that the application is no longer of interest, therefore, will send us a letter of withdrawal. A certified letter with Return Receipt Requested was mailed out March 4, 1999, see attached copy.

A considerable amount of time was spent in effort to contact representatives of Greenhill Petroleum Corporation, applicant for CP-773. Their telephone numbers have been changed and other sources indicate that two companies have bought out Greenhill Petroleum Corporation and since merged into Pioneer Natural Resource. Steve Owen with Pioneer stated that they do not operate any oil leases in the North Benson Queen Unit, Eddy County, N.M., where Greenhill Petroleum previously made application to drill a well and appropriate water.

Records of the Oil Conservation Division, Artesia, New Mexico confirmed that Greenhill Petroleum no longer operates the leases in the North Benson Queen Unit, records indicate that Marriah Energy Corporation, now operates those leases.

A certified letter with Return Receipt Requested was also mailed out to Greenhill Petroleum Corporation, March 4, 1999, chances are we are not going to get a response, see attached copy.

At this time I feel that there is no need to consider or make recommendation on these application for hearing.


Johnny R. Hernandez,
Lea County Basin Supervisor

JRH/jf
cc: Santa Fe

is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and 2 for additional services.
- Complete items 3, 4 & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. Addressee's Address
2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
P. R. Patton
C/O Patton & Assoc. Consulting Engineers
528 Petroleum Building
Roswell, N.M. 88201-4676

4a. Article Number
P 067-535 536

4b. Service Type
 Registered Insured
 Certified COD
 Express Mail Return Receipt for Merchandise

5. Signature (Addressee)
[Signature]

6. Signature (Agent)

7. Date of Delivery
3-5-99

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 U.S. GPO: 1993-352-714 **DOMESTIC RETURN RECEIPT**

Thank you for using Return Receipt Service.

UNITED STATES POSTAL SERVICE

Official Business



PENALTY FOR PRIVATE USE TO AVOID PAYMENT OF POSTAGE, \$300



Print your name, address and ZIP Code here



STATE OF NEW MEXICO

OFFICE OF THE STATE ENGINEER
ROSWELL

THOMAS C. TURNEY
State Engineer

DISTRICT II
1900 West Second St.
Roswell, New Mexico 88201
(505) 622-6521

March 4, 1999

File: CP-767

P.R. Patton
c/o P.R. Patton & Associates Consulting Engineers
528 Petroleum Building
Roswell, NM 88201-4676

Dear Mr. Patton:

Application No. CP-767 was filed in this office on November 14, 1991, for the appropriation of 300 acre-feet of water per annum from the Rustler Formation for Secondary Recovery of Oil in the Capitan Underground Basin. Protest on your application No. CP-767 was received in this office December 9, 1991. The application was timely protested by AMAX Potash Corporation.

Be advised that the Hearing Unit is scheduling proposed hearings from a list of protested applications and CP-767 has been selected from the list. Please advise this office as to your desire in handling this matter, if you wish to withdraw your application, copies of the cancelled application will be returned to you; or if you wish to proceed with the application, please, in writing, request the State Engineer to set a hearing date so that this matter may be settled.

Your immediate response to this notice is requested. If you have any questions concerning this matter, please feel free to call me at this office.

Sincerely,

Johnny R. Hernandez,
Lea County Basin Supervisor

JRH/jf
cc: Santa Fe
CAWPWIN60\MISC\CP767.WPD



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

ELUID MARTINEZ
STATE ENGINEER

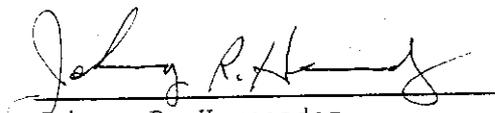
ROSWELL

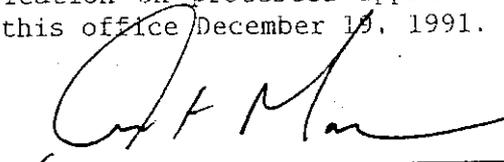
DISTRICT II
1900 West Second St.
Roswell, New Mexico 88201
(505) 622-6521

MEMORANDUM

DATE: December 23, 1991
TO: Paul Saavedra, Deputy Division Chief, Water Rights Division
FROM: Glenn W. Brim, District II Supervisor
SUBJECT: Protested Application for Permit to Appropriate Underground Waters No. CP-767

Enclosed is affidavit of publication on protested application No. CP-767 which was filed in this office December 19, 1991.


Johnny R. Hernandez
Lea County Basin Supervisor


for Glenn W. Brim
District II Supervisor

JRH/fh

Encl. Affidavit of Publication (1)

No 13655

Affidavit of Publication

State of New Mexico,
County of Eddy, ss.

E. C. Cantwell, being first duly sworn,
on oath says:

That he is publisher of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the state wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

NOVEMBER 27	, 19	91
DECEMBER 4	, 19	91
DECEMBER 11	, 19	91
_____	, 19	_____

that the cost of publication is \$ 49.50,
and that payment thereof has been made
and will be assessed as court costs.

E C Cantwell

Subscribed and sworn to before me this
11 day of DECEMBER, 19 91

Donella J. [Signature]

My commission expires 6/01/93
Notary Public

November 27, 1991
December 4, 11, 1991

NOTICE is hereby given that on November 14, 1991, P. R. Patton, 528 Petroleum Building, Roswell, NM 88201, filed application No. CP-767 with the STATE ENGINEER for permit to appropriate 300.0 acre-feet per annum from the Rustler Formation of the Captain Underground Water Basin by drilling a well 13 3/8 inches in diameter and approximately 450 feet in depth at a point in the W1/2W1/2 of Section 3 or in the E1/2E1/2 of Section 4, Township 19 South, Range 30 East, NMPM, for the secondary recovery of oil by water-flooding in the Shugart-Yates/Seven Rivers/Queen/Grayburg oilfield located in the SE1/4 of Township 18 South, Range 30 East.

Any person, firm or corporation or other entity objecting that the granting of the application will be detrimental to the objector's water right shall have standing to file objections or protests. Any person, firm or corporation or other entity objecting that the granting of the application will be contrary to the conservation of water within the state or detrimental to the public welfare of the state and showing that the objector will be substantially and specifically affected by the granting of the application shall have standing to file objections or protests. Provided, however, that the State of New Mexico or any of its branches, agencies, departments, boards, instrumentalities and institutions shall have standing to file objections or protests. The protest or objections shall be in writing and shall set forth all protestant's or objector's reasons why the application should not be approved and must be filed, in triplicate, with Eluid Martinez, State Engineer, 1900 W. Second Street, Roswell, New Mexico 88201, within ten (10) days after the date of the last publication of this Notice.

cc: Santa Fe
Bureau of Land Management

United States Postal Service

Official Business



PENALTY FOR PRIVATE USE, \$300

Print your name, address and ZIP Code here

DEC 19 AM 8 58
STATE ENGINEER OFFICE
SANTA FE, NEW MEXICO
Att: KWB/WRD

STATE ENGINEER OFFICE
PO BOX 25102
SANTA FE, NEW MEXICO 87504-5102

File # CP-767
P 996 325 028

INSTRUCTIONS:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece next to the article number.

I also wish to receive the following services (for an extra fee):

- 1. Addressee's Address
- 2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
 Ralph W. Crosser, Jr.
 VP & GP/
 AMAX Potash Corporation
 P.O. Box 279
 Carlsbad, NM 88221-0279

4a. Article Number
 P 996 325 028

4b. Service Type
 Registered Insured
 Certified COD
 Express Mail Return Receipt for Merchandise

7. Date of Delivery
 12-17-91

5. Signature (Addressee)
Ralph W. Crosser, Jr.

6. Signature (Agent)
L. J. ...

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, October 1990 ☆ U.S. GPO: 1990-273-861 **DOMESTIC RETURN RECEIPT**

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

Sent to Ralph W. Crosser, Jr.	
Street and No. VP & GP AMAX Potash Corp.	
P.O. Box 279	
City, State and ZIP Code Carlsbad, NM 88221-0279	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

PS Form 3800, June 1985



STATE OF NEW MEXICO
STATE ENGINEER OFFICE
SANTA FE

ELUID L. MARTINEZ
State Engineer

December 19, 1991

BATAAN MEMORIAL BUILDING, ROOM 101
POST OFFICE BOX 25102
SANTA FE, NEW MEXICO 87504-5102

Mr. Ralph W. Crosser, Jr.
Vice President and General Manager
AMAX Potash Corporation
P.O. Box 279
Carlsbad, New Mexico 88221-0279

Re: File No. CP-767

Dear Mr. Crosser:

Since your letter of December 17, 1991, does not explicitly withdraw your protest to the above-numbered application, the State Engineer cannot yet consider granting the applicant a permit. Without a permit, the applicant cannot drill a well, and the condition prerequisite to removing your objection of drilling the well in the area indicated on the map attached to your letter cannot be met.

Please obtain whatever guarantees you require from the applicant to address your objections and notify us if you wish to withdraw your protest.

Sincerely,

Eluid L. Martinez
State Engineer

By: *Kent W. Breese*
Kent W. Breese, Engineer
Water Rights Division

KWB:kb
cc: P.R. Patton
District II Office

COPIES DESTROYED
EDUCATION DEPARTMENT

61 11 11 82 02 11

AMAX POTASH CORPORATION

A Subsidiary of AMAX INC.
P.O. BOX 279 CARLSBAD, NEW MEXICO 88221-0279 (505) 885-3157

December 17, 1991

'91 DEC 18 AM 8 43
STATE ENGINEER'S OFFICE
SANTA FE NEW MEXICO

Mr. Eluid L. Martinez, State Engineer
State of New Mexico
Bataan Memorial Bldg., Room 101
P. O. Box 25102
Santa Fe, New Mexico 87504-5102

File No. CP-767

Dear Mr. Martinez:

On December 16, 1991, AMAX Potash Corporation met with Mr. P. R. Patton regarding his Application No. CP-767.

We reviewed the details of current mining activity and the likely effects of subsidence on the formations above the mine. The quantity of water to be withdrawn, the timing of subsidence and the need to drill as soon as possible were also discussed.

It was agreed that a quarter mile buffer from the mine to the proposed well would provide reasonable protection for both parties. A copy of our mine map showing the works, quarter mile buffer, and the remaining lands in the proposed tracts was made for Mr. Patton.

AMAX Potash will not object to the application if the well is drilled in the area indicated on the map enclosed. It is our understanding that AMAX Potash will be informed of the actual location of the proposed well before drilling begins, and that AMAX will be held harmless for any damage to the well as a result of our mining activity.

Sincerely,

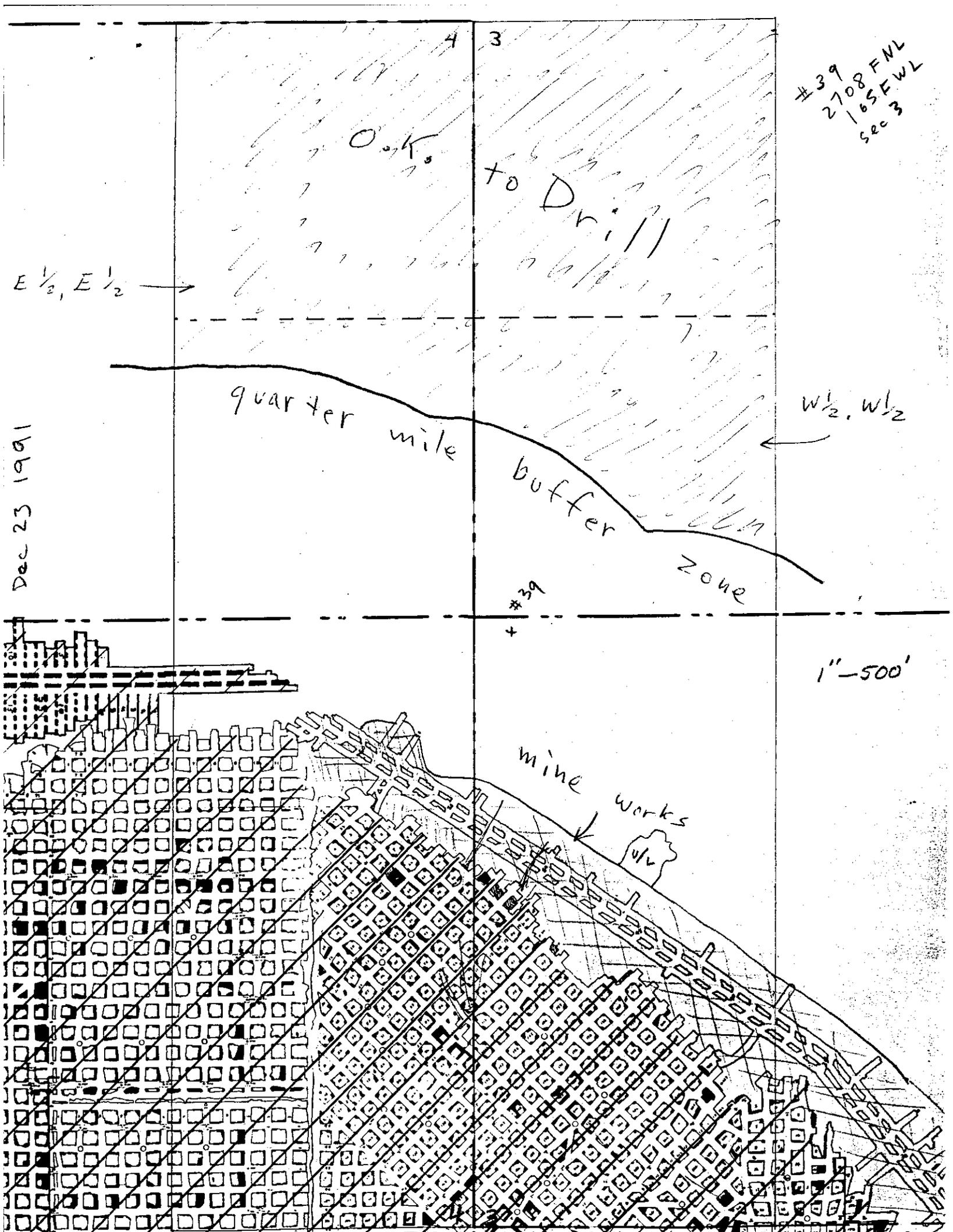


Ralph W. Crosser, Jr.
Vice President and General Manager

RWC:ca

Enclosure (Map)

MEMBER POTASH INSTITUTE OF NORTH AMERICA



United States Postal Service

Official Business



PENALTY FOR PRIVATE USE, \$300

'91 DEC 17 AM 10 55
STATE ENGINEER OFFICE
SANTA FE, NEW MEXICO

Print your name, address and ZIP Code here
Attn: KWB/WRD

STATE ENGINEER OFFICE
PO BOX 25102
SANTA FE, NEW MEXICO 87504-5102

File # CP-767
P 996 325 027

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece next to the article number.

I also wish to receive the following services (for an extra fee):

- 1. Addressee's Address
- 2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to: P.R. Patton 528 Petroleum Building Roswell, NM 88201-4676		4a. Article Number P 996 325 027
File # CP-767		4b. Service Type <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input checked="" type="checkbox"/> Return Receipt for Merchandise
5. Signature (Addressee) <i>P.R. Patton</i>	7. Date of Delivery 12-13-91	
6. Signature (Agent)	8. Addressee's Address (Only if requested and fee is paid)	

Sent to	P.R. Patton
Street and No.	528 Petroleum Bldg
P.O., State and ZIP Code	Roswell, NM 88201-4676
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

PS Form 3800, June 1985



STATE OF NEW MEXICO
STATE ENGINEER OFFICE
SANTA FE

ELUID L. MARTINEZ
State Engineer

BATAAN MEMORIAL BUILDING, ROOM 101
POST OFFICE BOX 25102
SANTA FE, NEW MEXICO 87504-5102

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

December 11, 1991

P.R. Patton
528 Petroleum Building
Roswell, New Mexico 88201-4676

Ralph W. Crosser, Jr.
Vice President and General Manager
AMAX Potash Corporation
A Subsidiary of AMAX INC.
P.O. Box 279
Carlsbad, New Mexico 88221-0279

File Number: CP-767
Applicant: P.R. Patton
Protestant: Ralph W. Crosser, Jr.
AMAX Potash Corporation

Greetings:

Protest to the granting of the above numbered application has been filed in this office.

If an agreement cannot be reached between the applicant and protestant to which the State Engineer can agree, a hearing date will be set by the State Engineer upon written request from the application.

If a hearing is necessary on this matter, each party will be required to submit a hearing deposit in an amount that will be specified when the hearing is announced by the State Engineer.

Page 2 of 2
File Number CP-767

We are enclosing a copy of the protest for the applicant's files.

Sincerely,

Eluid L. Martinez
State Engineer

By: 
Kent W. Breese, Engineer
Water Rights Division

KWB/sb
encl.
cc: District II Office



'91 DEC 10 AM 10:22

STATE OF NEW MEXICO

STATE ENGINEER OFFICE
SANTA FE NEW MEXICO
ELUID MARTINEZ
STATE ENGINEER

STATE ENGINEER OFFICE

ROSWELL

DISTRICT II
1900 West Second St.
Roswell, New Mexico 88201
(505) 622-6521

MEMORANDUM

DATE: December 9, 1991
TO: Paul Saavedra, Deputy Division Chief, Water Rights Division
FROM: Glenn W. Brim, District II Supervisor
SUBJECT: Protested Application for Permit to Appropriate Underground Waters
No. CP-767

Attached hereto is a protest filed by AMAX Potash Corporation in this office December 9, 1991 to the above-numbered application of P. R. Patton and the original and two copies of said application. Also enclosed is a xerox copy of legal notice which indicates that publication began on November 27, 1991 and will end on December 11, 1991.

The protest is timely.

Johnny R. Hernandez
Lea County Basin Supervisor

Glenn W. Brim
District II Supervisor

JRH/fh

Encls. Protest (1)
Application (3)
Xerox copy of legal notice (1)

AMAX POTASH CORPORATION

A Subsidiary of AMAX INC.
P.O. BOX 279 CARLSBAD, NEW MEXICO 88221-0279 (505) 885-3157

RECEIVED 9 AM 11 01

December 6, 1991

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

Mr. Eluid Martinez, State Engineer
1900 West Second Street
Roswell, New Mexico 88201

Dear Mr. Martinez:

AMAX Potash Corporation objects to the application No. CP-767 filed by P. R. Patton, 528 Petroleum Building, Roswell, NM 88201, to appropriate ground water from the Rustler Formation of the Capitan Underground Water Basin.

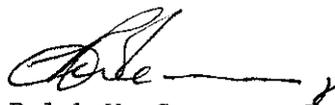
The objection is made on the basis that AMAX Potash Corporation has open underground mine workings beneath the proposed tracts of land. AMAX is currently mining potash ore from portions of the W $\frac{1}{2}$ of the W $\frac{1}{2}$ of Section 3 and the E $\frac{1}{2}$ of the E $\frac{1}{2}$ of Section 4, Township 19 South, Range 30 East, NMPM. The mining activity will cause subsidence of the formations and the surface above the mined area. The extent of the orebody and the extent of subsidence beyond the limits of final mining cannot be definitely determined. A water well drilled in subsiding ground would be subjected to the movement of the ground. Collapse or fracturing of the well are possible results.

Objection is also made on the basis that the proposed well may change the hydrological conditions existing under our plant site and tailings disposal area. This might result in dilution of our plant brine wells, loss of brine from our tailings brine impoundment, or other detrimental changes.

The potash industry has used a quarter mile distance from the mine to an active oil well. We believe that this is a reasonable minimum to apply in this case. Allowing for existing mine works, planned extensions of mine works, and a quarter mile buffer, the remaining lands would be the NW $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 3 or the NE $\frac{1}{4}$ of the NE $\frac{1}{4}$ of Section 4, Township 19 South, Range 30 East NMPM.

For the reasons stated above, we request that the application be denied or, if the application is granted, the well be drilled as far away from our operations as possible.

Very truly yours,



Ralph W. Crosser, Jr.
Vice President and General Manager

STATE ENGINEER OFFICE
SANTA FE
NEW MEXICO
DEC 10 1991
AM 10 23

RWC:ca

MEMBER POTASH INSTITUTE OF NORTH AMERICA

Carlsbad Current-Argus

K NOV 27 1991

New Mexico Press Clipping Bureau
Albuquerque, NM

November 27, 1991
December 4, 11, 1991

819
NOTICE is hereby given that on November 14, 1991, P. R. Patton, 528 Petroleum Building, Roswell, NM 88201, filed application No. CP-767 with the STATE ENGINEER for permit to appropriate 300.0 acre-feet per annum from the Rustler Formation of the Capitán Underground Water Basin by drilling a well 13 3/8 inches in diameter and approximately 450 feet in depth at a point in the W1/2W1/2 of Section 3 or in the E1/2E1/2 of Section 4, Township 19 South, Range 30 East, NMPM, for the secondary recovery of oil by water-flooding in the Shugart-Yates/Seven Rivers/Queen/Grayburg oilfield located in the SE1/4 of Township 18 South, Range 30 East.

Any person, firm or corporation or other entity objecting that the granting of the application will be detrimental to the objector's water right shall have standing to file objections or protests. Any person, firm or corporation or other entity objecting that the granting of the application will be contrary to the conservation of water within the state or detrimental to the public welfare of the state and showing that the objector will be substantially and specifically affected by the granting of the application shall have standing to file objections or protests. Provided, however, that the State of New Mexico or any of its branches, agencies, departments, boards, instrumentalities and institutions shall have standing to file objections or protests. The protest or objections shall be in writing and shall set forth all protestant's or objector's reasons why the application should not be approved and must be filed, in triplicate, with Eluid Martinez, State Engineer, 1900 W. Second Street, Roswell, New Mexico 88201, within ten (10) days after the date of the last publication of this Notice.

cc: Santa Fe
Bureau of Land Management

OK

'91 DEC 10 AM 10 24
STATE ENGINEER OFFICE
SANTA FE NEW MEXICO



5

'91 NOV 20 PM 5 20 STATE OF NEW MEXICO

STATE ENGINEER OFFICE
SANTA FE NEW MEXICO

STATE ENGINEER OFFICE

ELUID MARTINEZ
STATE ENGINEER

ROSWELL

DISTRICT II
1900 West Second St.
Roswell, New Mexico 88201
(505) 622-6521

November 18, 1991

File: CP-767

Mr. P. R. Patton
528 Petroleum Building
Roswell, NM 88201

Dear Mr. Patton:

It is necessary that you submit data showing that the proposed amount of water to be appropriated can reasonably be applied to beneficial use. This data must be filed in this office within 10 days after the last publication of the enclosed notice.

Yours very truly,

Johnny R. Hernandez
Lea County Basin Supervisor

JRH/fh
Encl: Notice

'91 NOV 20 PM 1 20
STATE ENGINEER OFFICE
SANTA FE NEW MEXICO

Revised April 1972
Roswell, New Mexico
November 18, 1991

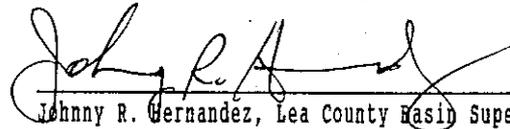
Mr. P. R. Patton
528 Petroleum Building
Roswell, NM 88201

Dear Sir:

The following notice shall be published at applicant's expense once a week for three (3) consecutive weeks in a newspaper of general circulation in the stream system, or in case of an underground water appropriation the County wherein the well is to be drilled. First publication should be made as soon as possible after receipt of this notice. Publisher's affidavit of such publication must be filed with the State Engineer within sixty (60) days from the date hereon. If the application is for a new appropriation, failure to file proof of publication within the time allowed shall cause postponement of the priority date of the application to the date of receipt of such proof in proper form. In the case of any other type of application, failure to file proofs within the time allowed will cause the application to be cancelled.

The accuracy as to the content of this Notice is the responsibility of the applicant and the State Engineer is not obligated for any additional expense incurred by the necessity of readvertisement.

Neither issuance of this Notice, nor lack of protest thereto, in any way indicates favorable action by the State Engineer or approval of the application as requested.


Johnny R. Hernandez, Lea County Basin Supervisor

NOTE TO PUBLISHER: Immediately after last publication, publisher is requested to file affidavit of such publication with the State Engineer, 1900 W. Second Street, Roswell, New Mexico 88201.

.....
NOTICE is hereby given that on November 14, 1991, P. R. Patton, 528 Petroleum Building, Roswell, NM 88201, filed application No. CP-767 with the STATE ENGINEER for permit to appropriate 300.0 acre-feet per annum from the Rustler Formation of the Capitan Underground Water Basin by drilling a well 13 3/8 inches in diameter and approximately 450 feet in depth at a point in the W $\frac{1}{2}$ W $\frac{1}{2}$ of Section 3 or in the E $\frac{1}{2}$ E $\frac{1}{2}$ of Section 4. Township 19 South, Range 30 East, NMPM, for the secondary recovery of oil by waterflooding in the Shugart-Yates/Seven Rivers/Queen/Grayburg oilfield located in the SE $\frac{1}{4}$ of Township 18 South, Range 30 East.

Any person, firm or corporation or other entity objecting that the granting of the application will be detrimental to the objector's water right shall have standing to file objections or protests. Any person, firm or corporation or other entity objecting that the granting of the application will be contrary to the conservation of water within the state or detrimental to the public welfare of the state and showing that the objector will be substantially and specifically affected by the granting of the application shall have standing to file objections or protests. Provided, however, that the State of New Mexico or any of its branches, agencies, departments, boards, instrumentalities or institutions, and all political subdivisions of the state and their agencies, instrumentalities and institutions shall have standing to file objections or protests. The protest or objections shall be in writing and shall set forth all protestant's or objector's reasons why the application should not be approved and must be filed, in triplicate, with Eluid Martinez, State Engineer, 1900 W. Second Street, Roswell, New Mexico 88201, within ten (10) days after the date of the last publication of this Notice.

cc: Santa Fe
Bureau of Land Management

HALLIBURTON DIVISION LABORATOR
HALLIBURTON COMPANY
MIDLAND DIVISION

LABORATORY WATER ANALYSIS

No. W90-412

To Hanson Operating
% Halliburton Services
Aetasia N.M
Eric Jacobson

Date 5-22-90

This report was prepared by and is the property of Halliburton Services, a Division of Halliburton Company; the data reported intended for the private information of the below named party is limited to the sample (s) described; accordingly, any user of this report agrees that Halliburton shall not be liable for any loss or damage, regardless of cause, including any act or omission of Halliburton resulting from the use of the data reported herein; and Halliburton makes no warranties, express or implied, whether of fitness for a particular purpose, merchantability or otherwise, as to the accuracy of the data reported.

Submitted by E. Jacobson

Date Rec. 5-21-90

Well No. _____ Depth _____ Formation _____

County _____ Field _____ Source _____

	#1	#2	
Resistivity	<u>0.05</u> ohms/m ² /m @ 72°	<u>0.071</u> ohms/m ² /m @ 72°	_____ ohms/m ² /m
Specific Gravity	<u>1.15</u> @ 60 °F	<u>1.086</u> @ 60 °F	_____ @ _____ °F
PH	<u>5.7</u>	<u>6.2</u>	_____
Calcium (Ca)	<u>2035</u> mpl	<u>1930</u> mpl	_____ mpl
Magnesium (mg)	<u>3260</u> mpl	<u>1690</u> mpl	_____ mpl
Chlorides (Cl)	<u>138,400</u> mpl	<u>79,100</u> mpl	_____ mpl
Sulfates (SO ₄)	<u>4600</u> mpl	<u>3130</u> mpl	_____ mpl
Bicarbonates (HCO ₃)	<u>245</u> mpl	<u>1460</u> mpl	_____ mpl
Soluble Iron (Fe)	<u>nil</u> mpl	<u>nil</u> mpl	_____ mpl
_____	_____	_____	_____
_____	_____	_____	_____

Remarks: Scaling tendency, between these 2 waters and the analysis of 4 formation waters, is attached.

MAY 23 1990 11 47 AM

Respectfully submitted,

Analyst: DT
cc: _____

HALLIBURTON SERVICES

By Richard Dunbar

DIVISION CHEMIST

NOTICE:

This report is for information only and the content is limited to the sample described. Halliburton makes no warranties, express or implied, as to the accuracy of the contents or results. Any user of this report agrees Halliburton shall not be liable for any loss or damage, regardless of cause, including any act or omission of Halliburton, resulting from the use hereof.

Appendix B

Field Data



Sample Log

Date: _____

Project: Misty Ivore CTB

Project Number: 21311 Latitude: 32.699573 Longitude: -103.936723

Sample ID	PID/Odor	Chloride Conc.	GPS
FL-8@1'	-	204	
FL-7@1'	-	204	
FL-10@1'	-	234	
FL-20@1'	-	234	
FL-30@1'	-	528	
FL-40@1'	-	528	
FL-50@2'	-	476	
FL-60@2'	-	528	
FL-9@1'	-	528	
FL-10@1'	-	528	
FL-11@1'	-	428	
FL-12@1'	-	304	
FL-13@2'	-	144	
FL-14@2'	-	144	
FL-15@2'	-	240	
FL-16@2'	-	352	
FL-17@2'	-	204	
FL-18@2'	-	312	
FL-19@2'	-	276	
FL-20@2'	-	204	
FL-21@2'	-	276	
FL-22@2'	-	352	
FL-23@2'	-	240	
FL-24@2'	-	440	
FL-25@2'	-	312	
FL-26@2'	-	440	
FL-27@2'	-	352	
FL-28@2'	-	440	
FL-29@2'	-	N/D	
FL-30@2'	-	N/D	
FL-31@2'	-	N/D	
FL-32@2'	-	240	
FL-33@2'	-	352	
FL-34@2'	-	N/D	
FL-35@2'	-	276	
FL-36@2'	-	204	

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
NLJ-1	-	276	
FLJ-1	-	204	
LJW-1	-	240	
FLJ-2	-	352	
NLJ-2	-	352	
FL-37@2'	-	276	
FL-38@2'	-	N/D	
FL-39@2'	-	174	
FL-40@2'	-	116	
FL-41@2'	-	204	
FL-42@2'	-	N/D	
FL-43@2'	-	276	
FL-44@2'	-	240	
FL-45@2'	-	172	
FL-46@2'	-	N/D	
FL-47@2'	-	240	
FL-48@2'	-	204	
FL-49@2'	-	276	
FL-50@2'	-	204	
FL-51@2'	-	N/D	
FL-52@2'	-	240	
FL-53@2'	-	276	
FL-54@2'	-	352	
FL-55@2'	-	752	
FL-56@2'	-	240	
FL-57@2'	-	172	
FL-58@2'	-	396	
FL-59@2'	-	356	
FL-60@2'	-	240	
FL-61@2'	-	352	
FL-62@2'	-	172	
FL-63@2'	-	396	
FL-64@2'	-	204	
FL-65@3''	-	256	
FL-66@3''	-	276	
FL-67@3''	-	240	

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: Top-Down	
Photo Date: 9/23/2025	
Photo GPS: 32.69966, -103.93587	
Photo Description: Aerial view of open excavation.	

Photo Number: 2	
Photo Direction: Southwest	
Photo Description: View of open excavation.	

9/26/25, 8:41 AM
+32.699771,-103.935627
NM,Artesia

Photographic Log

Photo Number: 3	
Photo Direction: West	
Photo Description: View of open excavation.	

Photo Number: 4	
Photo Direction: West	
Photo Description: View of open excavation.	

Photographic Log

Photo Number: 5	
Photo Direction: Southeast	
Photo Description: View of open excavation.	

Photo Number: 6	
Photo Direction: South	
Photo Description: View of open excavation.	

Photographic Log

Photo Number: 7	 <p>10/6/25, 3:31 PM +32.705429,-103.926663 NM,Artesia</p>
Photo Direction: South	
Photo Description: View of remediated area after backfill and regrading.	

Photo Number: 8	 <p>10/6/25, 3:32 PM +32.699416,-103.935367 NM,Artesia</p>
Photo Direction: Northwest	
Photo Description: View of remediated area after backfill and regrading.	

Photographic Log

Photo Number: 9	
Photo Direction: West	
Photo Description: View of remediated area after backfill and regrading.	

Photo Number: 10	
Photo Direction: West	
Photo Description: View of remediated area after backfill and regrading.	

Photographic Log

Photo Number: 11	 <p>Oct 9, 2025 at 9:05:29 AM +32.700214,-103.935135 261° W Altitude:1074.1meter Speed:3.0km/h</p>
Photo Direction: West	
Photo Description: View of remediated area during seeding event.	

Photo Number: 12	 <p>Oct 9, 2025 at 9:18:51 AM +32.699325,-103.935356 272° W Altitude:1072.8meter Speed:3.6km/h</p>
Photo Direction: West	
Photo Description: View of remediated area during seeding event.	

Photographic Log

Photo Number: 13	
Photo Direction: West	
Photo Description: View of remediated area during seeding event.	

Photo Number: 14	
Photo Direction: East	
Photo Description: View of remediated area during seeding event.	

Photographic Log

Photo Number: 15	
Photo Direction: East	
Photo Description: View of remediated area during seeding event.	

Photo Number: 16	
Photo Direction: N/A	
Photo Description: Seed tag.	

Oct 9, 2025 at 9:04:26 AM
+32.700214,-103.935135
12° N
Altitude:1073.2meter
Speed:2.2km/h

Bamert Seed Company Inc.

1897 CR 1018 Muleshoe, TX 79347 (800) 262-9892 Permit # TX00905

Misty Ivore CTB BLM #2 broadcast rate Lot/Sales # SO-87440

Kind & Variety	Pure Seed	Germ	Dormant	Hard Seed	Origin
Bluestem, Band "Choi" (Andropogon hallii)	20.37%	64.00%	5.00%	0.00%	TX
Bristlegrass Plains (Setaria vulpiseta)	42.83%	36.00%	85.00%	0.00%	TX
Droopseed, Sero (Sporobolus cryptandrus)	21.85%	3.00%	89.00%	0.00%	TX

Purity: 85.05% Inert Matter: 14.84% Other: Crop Seed: 0.01% Weed Seed: 0.10%
Noxious Weed Seed Per Lb: None Test Date: 09/2025 Net Wt: 10 lbs

Appendix D

Laboratory Analytical Reports



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

September 24, 2025

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: MISTY IVORE CTB

Enclosed are the results of analyses for samples received by the laboratory on 09/18/25 14:49.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/18/2025	Sampling Date:	09/17/2025
Reported:	09/24/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 1 @ 4' (H255862-01)

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	09/20/2025	ND	1.94	96.8	2.00	1.15	
Toluene*	<0.050	0.050	09/20/2025	ND	2.04	102	2.00	0.779	
Ethylbenzene*	<0.050	0.050	09/20/2025	ND	2.04	102	2.00	0.146	
Total Xylenes*	<0.150	0.150	09/20/2025	ND	5.97	99.6	6.00	0.0908	
Total BTEX	<0.300	0.300	09/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/19/2025	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	09/20/2025	ND	216	108	200	3.96	
DRO >C10-C28*	<10.0	10.0	09/20/2025	ND	222	111	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	09/20/2025	ND					

Surrogate: 1-Chlorooctane 94.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 90.3 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/18/2025	Sampling Date:	09/17/2025
Reported:	09/24/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 2 @ 4' (H255862-02)

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	09/20/2025	ND	1.94	96.8	2.00	1.15	
Toluene*	<0.050	0.050	09/20/2025	ND	2.04	102	2.00	0.779	
Ethylbenzene*	<0.050	0.050	09/20/2025	ND	2.04	102	2.00	0.146	
Total Xylenes*	<0.150	0.150	09/20/2025	ND	5.97	99.6	6.00	0.0908	
Total BTEX	<0.300	0.300	09/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	09/19/2025	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	09/20/2025	ND	216	108	200	3.96	
DRO >C10-C28*	<10.0	10.0	09/20/2025	ND	222	111	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	09/20/2025	ND					

Surrogate: 1-Chlorooctane 97.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 94.0 % 39.9-141

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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/18/2025	Sampling Date:	09/17/2025
Reported:	09/24/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 3 @ 4' (H255862-03)

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	09/19/2025	ND	1.88	94.1	2.00	1.60	
Toluene*	<0.050	0.050	09/19/2025	ND	1.92	95.9	2.00	0.870	
Ethylbenzene*	<0.050	0.050	09/19/2025	ND	1.92	96.2	2.00	1.36	
Total Xylenes*	<0.150	0.150	09/19/2025	ND	5.91	98.5	6.00	1.04	
Total BTEX	<0.300	0.300	09/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	09/19/2025	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	09/20/2025	ND	216	108	200	3.96	
DRO >C10-C28*	<10.0	10.0	09/20/2025	ND	222	111	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	09/20/2025	ND					

Surrogate: 1-Chlorooctane 84.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.1 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/18/2025	Sampling Date:	09/17/2025
Reported:	09/24/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 4 @ 4' (H255862-04)

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	09/19/2025	ND	1.88	94.1	2.00	1.60	
Toluene*	<0.050	0.050	09/19/2025	ND	1.92	95.9	2.00	0.870	
Ethylbenzene*	<0.050	0.050	09/19/2025	ND	1.92	96.2	2.00	1.36	
Total Xylenes*	<0.150	0.150	09/19/2025	ND	5.91	98.5	6.00	1.04	
Total BTEX	<0.300	0.300	09/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	09/19/2025	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	09/20/2025	ND	216	108	200	3.96	
DRO >C10-C28*	<10.0	10.0	09/20/2025	ND	222	111	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	09/20/2025	ND					

Surrogate: 1-Chlorooctane 94.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 90.2 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/18/2025	Sampling Date:	09/17/2025
Reported:	09/24/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 5 @ 2' (H255862-05)

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	09/19/2025	ND	1.88	94.1	2.00	1.60	
Toluene*	<0.050	0.050	09/19/2025	ND	1.92	95.9	2.00	0.870	
Ethylbenzene*	<0.050	0.050	09/19/2025	ND	1.92	96.2	2.00	1.36	
Total Xylenes*	<0.150	0.150	09/19/2025	ND	5.91	98.5	6.00	1.04	
Total BTEX	<0.300	0.300	09/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	09/19/2025	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	09/20/2025	ND	216	108	200	3.96	
DRO >C10-C28*	<10.0	10.0	09/20/2025	ND	222	111	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	09/20/2025	ND					

Surrogate: 1-Chlorooctane 86.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/18/2025	Sampling Date:	09/17/2025
Reported:	09/24/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 6 @ 2' (H255862-06)

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	09/19/2025	ND	1.88	94.1	2.00	1.60	
Toluene*	<0.050	0.050	09/19/2025	ND	1.92	95.9	2.00	0.870	
Ethylbenzene*	<0.050	0.050	09/19/2025	ND	1.92	96.2	2.00	1.36	
Total Xylenes*	<0.150	0.150	09/19/2025	ND	5.91	98.5	6.00	1.04	
Total BTEX	<0.300	0.300	09/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	09/19/2025	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	09/20/2025	ND	216	108	200	3.96	
DRO >C10-C28*	<10.0	10.0	09/20/2025	ND	222	111	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	09/20/2025	ND					

Surrogate: 1-Chlorooctane 79.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 75.4 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/18/2025	Sampling Date:	09/17/2025
Reported:	09/24/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 7 @ 1' (H255862-07)

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	09/19/2025	ND	1.88	94.1	2.00	1.60	
Toluene*	<0.050	0.050	09/19/2025	ND	1.92	95.9	2.00	0.870	
Ethylbenzene*	<0.050	0.050	09/19/2025	ND	1.92	96.2	2.00	1.36	
Total Xylenes*	<0.150	0.150	09/19/2025	ND	5.91	98.5	6.00	1.04	
Total BTEX	<0.300	0.300	09/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/19/2025	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	09/20/2025	ND	216	108	200	3.96	
DRO >C10-C28*	<10.0	10.0	09/20/2025	ND	222	111	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	09/20/2025	ND					

Surrogate: 1-Chlorooctane 94.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 89.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/18/2025	Sampling Date:	09/17/2025
Reported:	09/24/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 8 @ 1' (H255862-08)

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	09/19/2025	ND	1.88	94.1	2.00	1.60	
Toluene*	<0.050	0.050	09/19/2025	ND	1.92	95.9	2.00	0.870	
Ethylbenzene*	<0.050	0.050	09/19/2025	ND	1.92	96.2	2.00	1.36	
Total Xylenes*	<0.150	0.150	09/19/2025	ND	5.91	98.5	6.00	1.04	
Total BTEX	<0.300	0.300	09/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	09/19/2025	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	09/20/2025	ND	216	108	200	3.96	
DRO >C10-C28*	<10.0	10.0	09/20/2025	ND	222	111	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	09/20/2025	ND					

Surrogate: 1-Chlorooctane 87.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.0 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/18/2025	Sampling Date:	09/17/2025
Reported:	09/24/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 9 @ 1' (H255862-09)

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	09/19/2025	ND	1.88	94.1	2.00	1.60	
Toluene*	<0.050	0.050	09/19/2025	ND	1.92	95.9	2.00	0.870	
Ethylbenzene*	<0.050	0.050	09/19/2025	ND	1.92	96.2	2.00	1.36	
Total Xylenes*	<0.150	0.150	09/19/2025	ND	5.91	98.5	6.00	1.04	
Total BTEX	<0.300	0.300	09/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/19/2025	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	09/20/2025	ND	216	108	200	3.96	
DRO >C10-C28*	<10.0	10.0	09/20/2025	ND	222	111	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	09/20/2025	ND					

Surrogate: 1-Chlorooctane 94.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 91.1 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/18/2025	Sampling Date:	09/17/2025
Reported:	09/24/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 10 @ 1' (H255862-10)

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	09/19/2025	ND	1.88	94.1	2.00	1.60	
Toluene*	<0.050	0.050	09/19/2025	ND	1.92	95.9	2.00	0.870	
Ethylbenzene*	<0.050	0.050	09/19/2025	ND	1.92	96.2	2.00	1.36	
Total Xylenes*	<0.150	0.150	09/19/2025	ND	5.91	98.5	6.00	1.04	
Total BTEX	<0.300	0.300	09/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/19/2025	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	09/20/2025	ND	216	108	200	3.96	
DRO >C10-C28*	<10.0	10.0	09/20/2025	ND	222	111	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	09/20/2025	ND					

Surrogate: 1-Chlorooctane 87.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/18/2025	Sampling Date:	09/17/2025
Reported:	09/24/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 11 @ 1' (H255862-11)

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	09/19/2025	ND	1.88	94.1	2.00	1.60	
Toluene*	<0.050	0.050	09/19/2025	ND	1.92	95.9	2.00	0.870	
Ethylbenzene*	<0.050	0.050	09/19/2025	ND	1.92	96.2	2.00	1.36	
Total Xylenes*	<0.150	0.150	09/19/2025	ND	5.91	98.5	6.00	1.04	
Total BTEX	<0.300	0.300	09/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/19/2025	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	09/20/2025	ND	216	108	200	3.96	
DRO >C10-C28*	<10.0	10.0	09/20/2025	ND	222	111	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	09/20/2025	ND					

Surrogate: 1-Chlorooctane 90.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/18/2025	Sampling Date:	09/17/2025
Reported:	09/24/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 12 @ 1' (H255862-12)

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	09/19/2025	ND	1.88	94.1	2.00	1.60	
Toluene*	<0.050	0.050	09/19/2025	ND	1.92	95.9	2.00	0.870	
Ethylbenzene*	<0.050	0.050	09/19/2025	ND	1.92	96.2	2.00	1.36	
Total Xylenes*	<0.150	0.150	09/19/2025	ND	5.91	98.5	6.00	1.04	
Total BTEX	<0.300	0.300	09/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/19/2025	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	09/20/2025	ND	216	108	200	3.96	
DRO >C10-C28*	<10.0	10.0	09/20/2025	ND	222	111	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	09/20/2025	ND					

Surrogate: 1-Chlorooctane 86.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.2 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/18/2025	Sampling Date:	09/17/2025
Reported:	09/24/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 13 @ 2' (H255862-13)

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	09/19/2025	ND	1.88	94.1	2.00	1.60	
Toluene*	<0.050	0.050	09/19/2025	ND	1.92	95.9	2.00	0.870	
Ethylbenzene*	<0.050	0.050	09/19/2025	ND	1.92	96.2	2.00	1.36	
Total Xylenes*	<0.150	0.150	09/19/2025	ND	5.91	98.5	6.00	1.04	
Total BTEX	<0.300	0.300	09/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/19/2025	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	09/19/2025	ND	209	105	200	0.773	
DRO >C10-C28*	<10.0	10.0	09/19/2025	ND	223	111	200	0.973	
EXT DRO >C28-C36	<10.0	10.0	09/19/2025	ND					

Surrogate: 1-Chlorooctane 85.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 84.8 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/18/2025	Sampling Date:	09/17/2025
Reported:	09/24/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 14 @ 2' (H255862-14)

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	09/19/2025	ND	1.88	94.1	2.00	1.60	
Toluene*	<0.050	0.050	09/19/2025	ND	1.92	95.9	2.00	0.870	
Ethylbenzene*	<0.050	0.050	09/19/2025	ND	1.92	96.2	2.00	1.36	
Total Xylenes*	<0.150	0.150	09/19/2025	ND	5.91	98.5	6.00	1.04	
Total BTEX	<0.300	0.300	09/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/19/2025	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	09/19/2025	ND	209	105	200	0.773	
DRO >C10-C28*	<10.0	10.0	09/19/2025	ND	223	111	200	0.973	
EXT DRO >C28-C36	<10.0	10.0	09/19/2025	ND					

Surrogate: 1-Chlorooctane 84.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.8 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/18/2025	Sampling Date:	09/17/2025
Reported:	09/24/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 15 @ 2' (H255862-15)

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	09/20/2025	ND	1.88	94.1	2.00	1.60	
Toluene*	<0.050	0.050	09/20/2025	ND	1.92	95.9	2.00	0.870	
Ethylbenzene*	<0.050	0.050	09/20/2025	ND	1.92	96.2	2.00	1.36	
Total Xylenes*	<0.150	0.150	09/20/2025	ND	5.91	98.5	6.00	1.04	
Total BTEX	<0.300	0.300	09/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/19/2025	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	09/19/2025	ND	209	105	200	0.773	
DRO >C10-C28*	<10.0	10.0	09/19/2025	ND	223	111	200	0.973	
EXT DRO >C28-C36	<10.0	10.0	09/19/2025	ND					

Surrogate: 1-Chlorooctane 91.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 91.1 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/18/2025	Sampling Date:	09/17/2025
Reported:	09/24/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 16 @ 2' (H255862-16)

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	09/20/2025	ND	1.88	94.1	2.00	1.60	
Toluene*	<0.050	0.050	09/20/2025	ND	1.92	95.9	2.00	0.870	
Ethylbenzene*	<0.050	0.050	09/20/2025	ND	1.92	96.2	2.00	1.36	
Total Xylenes*	<0.150	0.150	09/20/2025	ND	5.91	98.5	6.00	1.04	
Total BTEX	<0.300	0.300	09/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/19/2025	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	09/19/2025	ND	209	105	200	0.773	
DRO >C10-C28*	23.1	10.0	09/19/2025	ND	223	111	200	0.973	
EXT DRO >C28-C36	<10.0	10.0	09/19/2025	ND					

Surrogate: 1-Chlorooctane 93.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 94.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/18/2025	Sampling Date:	09/17/2025
Reported:	09/24/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 17 @ 2' (H255862-17)

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	09/20/2025	ND	1.88	94.1	2.00	1.60	
Toluene*	<0.050	0.050	09/20/2025	ND	1.92	95.9	2.00	0.870	
Ethylbenzene*	<0.050	0.050	09/20/2025	ND	1.92	96.2	2.00	1.36	
Total Xylenes*	<0.150	0.150	09/20/2025	ND	5.91	98.5	6.00	1.04	
Total BTEX	<0.300	0.300	09/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/19/2025	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	09/19/2025	ND	209	105	200	0.773	
DRO >C10-C28*	<10.0	10.0	09/19/2025	ND	223	111	200	0.973	
EXT DRO >C28-C36	<10.0	10.0	09/19/2025	ND					

Surrogate: 1-Chlorooctane 94.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 94.2 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/18/2025	Sampling Date:	09/17/2025
Reported:	09/24/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 18 @ 2' (H255862-18)

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	09/20/2025	ND	1.88	94.1	2.00	1.60	
Toluene*	<0.050	0.050	09/20/2025	ND	1.92	95.9	2.00	0.870	
Ethylbenzene*	<0.050	0.050	09/20/2025	ND	1.92	96.2	2.00	1.36	
Total Xylenes*	<0.150	0.150	09/20/2025	ND	5.91	98.5	6.00	1.04	
Total BTEX	<0.300	0.300	09/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/19/2025	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	09/20/2025	ND	209	105	200	0.773	
DRO >C10-C28*	<10.0	10.0	09/20/2025	ND	223	111	200	0.973	
EXT DRO >C28-C36	<10.0	10.0	09/20/2025	ND					

Surrogate: 1-Chlorooctane 93.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 94.6 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/18/2025	Sampling Date:	09/17/2025
Reported:	09/24/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 19 @ 2' (H255862-19)

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	09/20/2025	ND	1.88	94.1	2.00	1.60	
Toluene*	<0.050	0.050	09/20/2025	ND	1.92	95.9	2.00	0.870	
Ethylbenzene*	<0.050	0.050	09/20/2025	ND	1.92	96.2	2.00	1.36	
Total Xylenes*	<0.150	0.150	09/20/2025	ND	5.91	98.5	6.00	1.04	
Total BTEX	<0.300	0.300	09/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/19/2025	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	09/20/2025	ND	209	105	200	0.773	
DRO >C10-C28*	<10.0	10.0	09/20/2025	ND	223	111	200	0.973	
EXT DRO >C28-C36	<10.0	10.0	09/20/2025	ND					

Surrogate: 1-Chlorooctane 95.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 96.3 % 39.9-141

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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/18/2025	Sampling Date:	09/17/2025
Reported:	09/24/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 20 @ 2' (H255862-20)

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	09/20/2025	ND	1.88	94.1	2.00	1.60	
Toluene*	<0.050	0.050	09/20/2025	ND	1.92	95.9	2.00	0.870	
Ethylbenzene*	<0.050	0.050	09/20/2025	ND	1.92	96.2	2.00	1.36	
Total Xylenes*	<0.150	0.150	09/20/2025	ND	5.91	98.5	6.00	1.04	
Total BTEX	<0.300	0.300	09/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/19/2025	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	09/20/2025	ND	209	105	200	0.773	
DRO >C10-C28*	<10.0	10.0	09/20/2025	ND	223	111	200	0.973	
EXT DRO >C28-C36	<10.0	10.0	09/20/2025	ND					

Surrogate: 1-Chlorooctane 94.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.0 % 39.9-141

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/18/2025	Sampling Date:	09/17/2025
Reported:	09/24/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 21 @ 2' (H255862-21)

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	09/20/2025	ND	1.88	94.1	2.00	1.60	
Toluene*	<0.050	0.050	09/20/2025	ND	1.92	95.9	2.00	0.870	
Ethylbenzene*	<0.050	0.050	09/20/2025	ND	1.92	96.2	2.00	1.36	
Total Xylenes*	<0.150	0.150	09/20/2025	ND	5.91	98.5	6.00	1.04	
Total BTEX	<0.300	0.300	09/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/19/2025	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	09/20/2025	ND	209	105	200	0.773	
DRO >C10-C28*	<10.0	10.0	09/20/2025	ND	223	111	200	0.973	
EXT DRO >C28-C36	<10.0	10.0	09/20/2025	ND					

Surrogate: 1-Chlorooctane 86.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.2 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/18/2025	Sampling Date:	09/17/2025
Reported:	09/24/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 22 @ 2' (H255862-22)

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	09/20/2025	ND	1.88	94.1	2.00	1.60	
Toluene*	<0.050	0.050	09/20/2025	ND	1.92	95.9	2.00	0.870	
Ethylbenzene*	<0.050	0.050	09/20/2025	ND	1.92	96.2	2.00	1.36	
Total Xylenes*	<0.150	0.150	09/20/2025	ND	5.91	98.5	6.00	1.04	
Total BTEX	<0.300	0.300	09/20/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

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	09/19/2025	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	09/20/2025	ND	209	105	200	0.773	
DRO >C10-C28*	<10.0	10.0	09/20/2025	ND	223	111	200	0.973	
EXT DRO >C28-C36	<10.0	10.0	09/20/2025	ND					

Surrogate: 1-Chlorooctane 97.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 99.3 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Joel Lowry
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 21311 Project Owner: Permian Resources Oper
Project Name: Misty Ivore CTB
Project Location: 32.699573, -103.936723
Sampler Name: Martin Sepulveda

BILL TO
P.O. #:
Company: Permian Resources
Attn: Montgomery Floyd
Address:
City:
State: Zip:
Phone #:
Fax #:

Table with columns for ANALYSIS REQUEST, Chloride, TPH (8015M), BTEX (8021B), and various sample analysis results.

Table with columns: Lab I.D., Sample I.D., (G)RAB OR (C)OMP., # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE / COOL, OTHER), SAMPLING (DATE, TIME).

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.

Relinquished By: [Signature] Date: 9-18-25 Time: 1449 Received By: [Signature] Verbal Result: [] Yes [] No [Add'l Phone #: All Results are emailed. Please provide Email address: pm@etechenv.com
Delivered By: (Circle One) Observed Temp. °C = 7.6 Sample Condition Cool Intact CHECKED BY: (Initials) Turnaround Time: Standard [X] Rush [] Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Corrected Temp. °C = 7.3



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Joel Lowry
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 21311 Project Owner: Permian Resources Oper
Project Name: Misty Ivore CTB
Project Location: 32.699573, -103.936723
Sampler Name: Martin Sepulveda

BILL TO
P.O. #:
Company: Permian Resources
Attn: Montgomery Floyd
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST table with columns for Chloride, TPH (8015M), BTEX (8021B) and multiple empty columns for other analytes.

Main data table with columns: Lab I.D., Sample I.D., (GRAB OR (C)OMP., # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE / COOL, OTHER), SAMPLING (DATE, TIME), and analysis results for Chloride, TPH, BTEX.

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.

Relinquished By: [Signature] Date: 9-18-25 Time: 1449
Received By: [Signature] Date: [blank] Time: [blank]
Verbal Result: [checkbox] Yes [checkbox] No Add'l Phone #:
All Results are emailed. Please provide Email address: pm@etechenv.com
REMARKS:
Delivered By: (Circle One) Observed Temp. °C -7.4 Sample Condition Cool Intact [checkbox] Yes [checkbox] No
Corrected Temp. °C -7.3 CHECKED BY: [Signature] Turnaround Time: Standard [checkbox] Rush [checked] X Bacteria (only) Sample Condition Cool Intact [checkbox] Yes [checkbox] No



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Joel Lowry
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 21311 Project Owner: Permian Resources Oper
Project Name: Misty Ivore CTB
Project Location: 32.699573, -103.936723
Sampler Name: Martin Sepulveda
BILL TO
P.O. #:
Company: Permian Resources
Attn: Montgomery Floyd
Address:
City:
State: Zip:
Phone #:
Fax #:
ANALYSIS REQUEST
Chloride
TPH (8015M)
BTEX (8021B)

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Relinquished By: [Signature] Date: 9-18-25 Time: 7:49
Received By: [Signature]
Verbal Result: [] Yes [] No Add'l Phone #:
All Results are emailed. Please provide Email address: pm@etechnv.com
REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C = 7.6
Corrected Temp. °C = 7.3
Sample Condition Cool Intact [] Yes [] No
CHECKED BY: (Initials) [Signature]
Turnaround Time: Standard [] Rush [X]
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C [] Yes [] No [] Yes [] No Corrected Temp. °C
Thermometer ID #140 Correction Factor -0.6°C +0.3°C



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

September 25, 2025

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: MISTY IVORE CTB

Enclosed are the results of analyses for samples received by the laboratory on 09/19/25 14:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/19/2025	Sampling Date:	09/18/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 23 @ 2' (H255892-01)

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	09/24/2025	ND	2.31	116	2.00	2.04	
Toluene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.22	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.15	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.54	109	6.00	2.38	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/22/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2025	ND	215	107	200	3.78	
DRO >C10-C28*	28.4	10.0	09/22/2025	ND	217	108	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	09/22/2025	ND					

Surrogate: 1-Chlorooctane 86.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 83.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/19/2025	Sampling Date:	09/18/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 24 @ 2' (H255892-02)

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	09/24/2025	ND	2.31	116	2.00	2.04	
Toluene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.22	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.15	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.54	109	6.00	2.38	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.7 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/22/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2025	ND	216	108	200	0.0985	
DRO >C10-C28*	<10.0	10.0	09/22/2025	ND	228	114	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	09/22/2025	ND					

Surrogate: 1-Chlorooctane 85.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/19/2025	Sampling Date:	09/18/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 25 @ 2' (H255892-03)

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	09/24/2025	ND	2.31	116	2.00	2.04	
Toluene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.22	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.15	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.54	109	6.00	2.38	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.1 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/22/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2025	ND	216	108	200	0.0985	
DRO >C10-C28*	<10.0	10.0	09/22/2025	ND	228	114	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	09/22/2025	ND					

Surrogate: 1-Chlorooctane 90.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.4 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/19/2025	Sampling Date:	09/18/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 26 @ 2' (H255892-04)

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	09/24/2025	ND	2.31	116	2.00	2.04	
Toluene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.22	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.15	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.54	109	6.00	2.38	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/22/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2025	ND	216	108	200	0.0985	
DRO >C10-C28*	<10.0	10.0	09/22/2025	ND	228	114	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	09/22/2025	ND					

Surrogate: 1-Chlorooctane 90.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.6 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/19/2025	Sampling Date:	09/18/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 27 @ 2' (H255892-05)

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	09/24/2025	ND	2.31	116	2.00	2.04	
Toluene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.22	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.15	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.54	109	6.00	2.38	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/22/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2025	ND	216	108	200	0.0985	
DRO >C10-C28*	<10.0	10.0	09/22/2025	ND	228	114	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	09/22/2025	ND					

Surrogate: 1-Chlorooctane 83.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.8 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/19/2025	Sampling Date:	09/18/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 28 @ 2' (H255892-06)

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	09/24/2025	ND	2.31	116	2.00	2.04	
Toluene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.22	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.15	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.54	109	6.00	2.38	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/22/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2025	ND	216	108	200	0.0985	
DRO >C10-C28*	<10.0	10.0	09/22/2025	ND	228	114	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	09/22/2025	ND					

Surrogate: 1-Chlorooctane 84.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 81.1 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/19/2025	Sampling Date:	09/18/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 29 @ 2' (H255892-07)

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	09/24/2025	ND	2.31	116	2.00	2.04	
Toluene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.22	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.15	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.54	109	6.00	2.38	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/22/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2025	ND	216	108	200	0.0985	
DRO >C10-C28*	137	10.0	09/22/2025	ND	228	114	200	2.19	
EXT DRO >C28-C36	46.4	10.0	09/22/2025	ND					

Surrogate: 1-Chlorooctane 94.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 99.3 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/19/2025	Sampling Date:	09/18/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 30 @ 2' (H255892-08)

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	09/24/2025	ND	2.31	116	2.00	2.04	
Toluene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.22	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.15	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.54	109	6.00	2.38	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/22/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/22/2025	ND	216	108	200	0.0985	
DRO >C10-C28*	145	10.0	09/22/2025	ND	228	114	200	2.19	
EXT DRO >C28-C36	52.9	10.0	09/22/2025	ND					

Surrogate: 1-Chlorooctane 94.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 99.4 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/19/2025	Sampling Date:	09/18/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 31 @ 2' (H255892-09)

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	09/24/2025	ND	2.31	116	2.00	2.04	
Toluene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.22	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.15	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.54	109	6.00	2.38	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/22/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2025	ND	216	108	200	0.0985	
DRO >C10-C28*	138	10.0	09/23/2025	ND	228	114	200	2.19	
EXT DRO >C28-C36	55.4	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 94.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 100 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/19/2025	Sampling Date:	09/18/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 32 @ 2' (H255892-10)

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	09/24/2025	ND	2.31	116	2.00	2.04	
Toluene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.22	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.15	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.54	109	6.00	2.38	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.0 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/22/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2025	ND	216	108	200	0.0985	
DRO >C10-C28*	<10.0	10.0	09/23/2025	ND	228	114	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 78.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.1 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/19/2025	Sampling Date:	09/18/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 33 @ 2' (H255892-11)

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	09/24/2025	ND	2.31	116	2.00	2.04	
Toluene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.22	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.15	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.54	109	6.00	2.38	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/22/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2025	ND	216	108	200	0.0985	
DRO >C10-C28*	106	10.0	09/23/2025	ND	228	114	200	2.19	
EXT DRO >C28-C36	37.4	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 96.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 103 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/19/2025	Sampling Date:	09/18/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 34 @ 2' (H255892-12)

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	09/24/2025	ND	2.31	116	2.00	2.04	
Toluene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.22	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.15	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.54	109	6.00	2.38	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/22/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2025	ND	216	108	200	0.0985	
DRO >C10-C28*	141	10.0	09/23/2025	ND	228	114	200	2.19	
EXT DRO >C28-C36	51.9	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 94.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 99.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/19/2025	Sampling Date:	09/18/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 35 @ 2' (H255892-13)

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	09/24/2025	ND	2.31	116	2.00	2.04	
Toluene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.22	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.15	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.54	109	6.00	2.38	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/22/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2025	ND	216	108	200	0.0985	
DRO >C10-C28*	115	10.0	09/23/2025	ND	228	114	200	2.19	
EXT DRO >C28-C36	45.0	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 83.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.2 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/19/2025	Sampling Date:	09/18/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 36 @ 2' (H255892-14)

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	09/24/2025	ND	2.31	116	2.00	2.04	
Toluene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.22	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.15	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.54	109	6.00	2.38	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.3 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/22/2025	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2025	ND	216	108	200	0.0985	
DRO >C10-C28*	20.0	10.0	09/23/2025	ND	228	114	200	2.19	
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 89.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 89.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/19/2025	Sampling Date:	09/18/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: NW 1 (H255892-15)

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	09/24/2025	ND	2.31	116	2.00	2.04	
Toluene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.22	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.15	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.54	109	6.00	2.38	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/22/2025	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	09/23/2025	ND	216	108	200	0.0985	
DRO >C10-C28*	43.7	10.0	09/23/2025	ND	228	114	200	2.19	
EXT DRO >C28-C36	13.7	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 83.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/19/2025	Sampling Date:	09/18/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: NW 2 (H255892-16)

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	09/24/2025	ND	2.31	116	2.00	2.04	
Toluene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.22	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.15	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.54	109	6.00	2.38	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/22/2025	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	09/23/2025	ND	216	108	200	0.0985	
DRO >C10-C28*	50.8	10.0	09/23/2025	ND	228	114	200	2.19	
EXT DRO >C28-C36	15.1	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 90.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.3 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/19/2025	Sampling Date:	09/18/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: EW 1 (H255892-17)

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	09/24/2025	ND	2.31	116	2.00	2.04	
Toluene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.22	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.15	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.54	109	6.00	2.38	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/22/2025	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	09/23/2025	ND	216	108	200	0.0985	
DRO >C10-C28*	54.5	10.0	09/23/2025	ND	228	114	200	2.19	
EXT DRO >C28-C36	14.6	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 89.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 89.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/19/2025	Sampling Date:	09/18/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: EW 2 (H255892-18)

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	09/24/2025	ND	2.31	116	2.00	2.04		
Toluene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.22		
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.15		
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.54	109	6.00	2.38		
Total BTEX	<0.300	0.300	09/24/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/22/2025	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	09/23/2025	ND	216	108	200	0.0985		
DRO >C10-C28*	35.8	10.0	09/23/2025	ND	228	114	200	2.19		
EXT DRO >C28-C36	<10.0	10.0	09/23/2025	ND						

Surrogate: 1-Chlorooctane 83.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/19/2025	Sampling Date:	09/18/2025
Reported:	09/25/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: WW 1 (H255892-19)

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	09/24/2025	ND	2.31	116	2.00	2.04	
Toluene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.22	
Ethylbenzene*	<0.050	0.050	09/24/2025	ND	2.18	109	2.00	2.15	
Total Xylenes*	<0.150	0.150	09/24/2025	ND	6.54	109	6.00	2.38	
Total BTEX	<0.300	0.300	09/24/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/22/2025	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	09/23/2025	ND	216	108	200	0.0985	
DRO >C10-C28*	48.1	10.0	09/23/2025	ND	228	114	200	2.19	
EXT DRO >C28-C36	12.6	10.0	09/23/2025	ND					

Surrogate: 1-Chlorooctane 93.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 94.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

October 01, 2025

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: MISTY IVORE CTB

Enclosed are the results of analyses for samples received by the laboratory on 09/26/25 15:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 3 @ 5' (H256071-01)

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	09/29/2025	ND	1.91	95.6	2.00	0.465	
Toluene*	<0.050	0.050	09/29/2025	ND	2.05	102	2.00	0.850	
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	2.14	107	2.00	2.04	
Total Xylenes*	<0.150	0.150	09/29/2025	ND	6.11	102	6.00	1.83	
Total BTEX	<0.300	0.300	09/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 70.4-141

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	09/29/2025	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	09/29/2025	ND	226	113	200	1.94	
DRO >C10-C28*	15.5	10.0	09/29/2025	ND	217	108	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 98.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.0 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 4 @ 5' (H256071-02)

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	09/29/2025	ND	1.91	95.6	2.00	0.465	
Toluene*	<0.050	0.050	09/29/2025	ND	2.05	102	2.00	0.850	
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	2.14	107	2.00	2.04	
Total Xylenes*	<0.150	0.150	09/29/2025	ND	6.11	102	6.00	1.83	
Total BTEX	<0.300	0.300	09/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

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	09/29/2025	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	09/29/2025	ND	226	113	200	1.94	
DRO >C10-C28*	14.5	10.0	09/29/2025	ND	217	108	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 105 % 52.4-130

Surrogate: 1-Chlorooctadecane 99.0 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 29 @ 3' (H256071-03)

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	09/29/2025	ND	1.91	95.6	2.00	0.465	
Toluene*	<0.050	0.050	09/29/2025	ND	2.05	102	2.00	0.850	
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	2.14	107	2.00	2.04	
Total Xylenes*	<0.150	0.150	09/29/2025	ND	6.11	102	6.00	1.83	
Total BTEX	<0.300	0.300	09/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/29/2025	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	09/29/2025	ND	226	113	200	1.94	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	217	108	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 95.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 30 @ 3' (H256071-04)

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	09/29/2025	ND	1.91	95.6	2.00	0.465	
Toluene*	<0.050	0.050	09/29/2025	ND	2.05	102	2.00	0.850	
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	2.14	107	2.00	2.04	
Total Xylenes*	<0.150	0.150	09/29/2025	ND	6.11	102	6.00	1.83	
Total BTEX	<0.300	0.300	09/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/29/2025	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	09/29/2025	ND	226	113	200	1.94	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	217	108	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 82.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.1 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 31 @ 3' (H256071-05)

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	09/29/2025	ND	1.91	95.6	2.00	0.465	
Toluene*	<0.050	0.050	09/29/2025	ND	2.05	102	2.00	0.850	
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	2.14	107	2.00	2.04	
Total Xylenes*	<0.150	0.150	09/29/2025	ND	6.11	102	6.00	1.83	
Total BTEX	<0.300	0.300	09/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/29/2025	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	09/29/2025	ND	226	113	200	1.94	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	217	108	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 104 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.2 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 33 @ 3' (H256071-06)

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	09/29/2025	ND	1.91	95.6	2.00	0.465	
Toluene*	<0.050	0.050	09/29/2025	ND	2.05	102	2.00	0.850	
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	2.14	107	2.00	2.04	
Total Xylenes*	<0.150	0.150	09/29/2025	ND	6.11	102	6.00	1.83	
Total BTEX	<0.300	0.300	09/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/29/2025	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	09/29/2025	ND	226	113	200	1.94	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	217	108	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 88.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.1 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 34 @ 3' (H256071-07)

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	09/29/2025	ND	1.91	95.6	2.00	0.465	
Toluene*	<0.050	0.050	09/29/2025	ND	2.05	102	2.00	0.850	
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	2.14	107	2.00	2.04	
Total Xylenes*	<0.150	0.150	09/29/2025	ND	6.11	102	6.00	1.83	
Total BTEX	<0.300	0.300	09/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/29/2025	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	09/29/2025	ND	226	113	200	1.94	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	217	108	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 99.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.3 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 35 @ 3' (H256071-08)

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	09/30/2025	ND	1.91	95.6	2.00	0.465	
Toluene*	<0.050	0.050	09/30/2025	ND	2.05	102	2.00	0.850	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	2.14	107	2.00	2.04	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	6.11	102	6.00	1.83	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/29/2025	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	09/29/2025	ND	226	113	200	1.94	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	217	108	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 96.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 37 @ 8' (H256071-09)

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	09/30/2025	ND	1.91	95.6	2.00	0.465	
Toluene*	<0.050	0.050	09/30/2025	ND	2.05	102	2.00	0.850	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	2.14	107	2.00	2.04	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	6.11	102	6.00	1.83	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/29/2025	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	09/29/2025	ND	226	113	200	1.94	
DRO >C10-C28*	16.1	10.0	09/29/2025	ND	217	108	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 106 % 52.4-130

Surrogate: 1-Chlorooctadecane 97.8 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 38 @ 2' (H256071-10)

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	09/30/2025	ND	1.91	95.6	2.00	0.465	
Toluene*	<0.050	0.050	09/30/2025	ND	2.05	102	2.00	0.850	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	2.14	107	2.00	2.04	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	6.11	102	6.00	1.83	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	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	09/29/2025	ND	226	113	200	1.94	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	217	108	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 102 % 52.4-130

Surrogate: 1-Chlorooctadecane 93.5 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 39 @ 2' (H256071-11)

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	09/29/2025	ND	1.83	91.7	2.00	8.62	
Toluene*	<0.050	0.050	09/29/2025	ND	1.90	94.9	2.00	6.02	
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.89	94.7	2.00	4.71	
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.62	93.7	6.00	4.23	
Total BTEX	<0.300	0.300	09/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/29/2025	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	09/29/2025	ND	226	113	200	1.94	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	217	108	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 103 % 52.4-130

Surrogate: 1-Chlorooctadecane 96.3 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 40 @ 2' (H256071-12)

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	09/29/2025	ND	1.83	91.7	2.00	8.62	
Toluene*	<0.050	0.050	09/29/2025	ND	1.90	94.9	2.00	6.02	
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.89	94.7	2.00	4.71	
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.62	93.7	6.00	4.23	
Total BTEX	<0.300	0.300	09/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	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	09/29/2025	ND	226	113	200	1.94	
DRO >C10-C28*	19.5	10.0	09/29/2025	ND	217	108	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 98.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.0 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
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Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 41 @ 2' (H256071-13)

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	09/29/2025	ND	1.83	91.7	2.00	8.62	
Toluene*	<0.050	0.050	09/29/2025	ND	1.90	94.9	2.00	6.02	
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.89	94.7	2.00	4.71	
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.62	93.7	6.00	4.23	
Total BTEX	<0.300	0.300	09/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	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	09/29/2025	ND	226	113	200	1.94	
DRO >C10-C28*	68.5	10.0	09/29/2025	ND	217	108	200	2.05	
EXT DRO >C28-C36	25.9	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 105 % 52.4-130

Surrogate: 1-Chlorooctadecane 100 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
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Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 42 @ 2' (H256071-14)

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	09/29/2025	ND	1.83	91.7	2.00	8.62	
Toluene*	<0.050	0.050	09/29/2025	ND	1.90	94.9	2.00	6.02	
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.89	94.7	2.00	4.71	
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.62	93.7	6.00	4.23	
Total BTEX	<0.300	0.300	09/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 70.4-141

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	09/29/2025	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	09/30/2025	ND	177	88.3	200	0.578	
DRO >C10-C28*	<10.0	10.0	09/30/2025	ND	192	96.1	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	09/30/2025	ND					

Surrogate: 1-Chlorooctane 94.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 88.4 % 39.9-141

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Analytical Results For:

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 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 43 @ 2' (H256071-15)

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	09/29/2025	ND	1.83	91.7	2.00	8.62	
Toluene*	<0.050	0.050	09/29/2025	ND	1.90	94.9	2.00	6.02	
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.89	94.7	2.00	4.71	
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.62	93.7	6.00	4.23	
Total BTEX	<0.300	0.300	09/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 70.4-141

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	09/29/2025	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	09/29/2025	ND	177	88.3	200	0.578	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	192	96.1	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 77.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.9 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 44 @ 2' (H256071-16)

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	09/29/2025	ND	1.83	91.7	2.00	8.62	
Toluene*	<0.050	0.050	09/29/2025	ND	1.90	94.9	2.00	6.02	
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.89	94.7	2.00	4.71	
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.62	93.7	6.00	4.23	
Total BTEX	<0.300	0.300	09/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 70.4-141

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	09/29/2025	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	09/29/2025	ND	177	88.3	200	0.578	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	192	96.1	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 68.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 68.0 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 45 @ 2' (H256071-17)

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	09/29/2025	ND	1.83	91.7	2.00	8.62	
Toluene*	<0.050	0.050	09/29/2025	ND	1.90	94.9	2.00	6.02	
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.89	94.7	2.00	4.71	
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.62	93.7	6.00	4.23	
Total BTEX	<0.300	0.300	09/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/29/2025	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	09/29/2025	ND	177	88.3	200	0.578	
DRO >C10-C28*	174	10.0	09/29/2025	ND	192	96.1	200	3.01	
EXT DRO >C28-C36	62.5	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 77.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.4 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 46 @ 2' (H256071-18)

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	09/29/2025	ND	1.83	91.7	2.00	8.62	
Toluene*	<0.050	0.050	09/29/2025	ND	1.90	94.9	2.00	6.02	
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.89	94.7	2.00	4.71	
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.62	93.7	6.00	4.23	
Total BTEX	<0.300	0.300	09/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/29/2025	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	09/29/2025	ND	177	88.3	200	0.578	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	192	96.1	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.5 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 47 @ 2' (H256071-19)

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	09/29/2025	ND	1.83	91.7	2.00	8.62	
Toluene*	<0.050	0.050	09/29/2025	ND	1.90	94.9	2.00	6.02	
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.89	94.7	2.00	4.71	
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.62	93.7	6.00	4.23	
Total BTEX	<0.300	0.300	09/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	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	09/29/2025	ND	177	88.3	200	0.578	
DRO >C10-C28*	79.1	10.0	09/29/2025	ND	192	96.1	200	3.01	
EXT DRO >C28-C36	31.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 78.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 78.8 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 48 @ 2' (H256071-20)

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	09/29/2025	ND	1.83	91.7	2.00	8.62	
Toluene*	<0.050	0.050	09/29/2025	ND	1.90	94.9	2.00	6.02	
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.89	94.7	2.00	4.71	
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.62	93.7	6.00	4.23	
Total BTEX	<0.300	0.300	09/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/29/2025	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	09/29/2025	ND	177	88.3	200	0.578	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	192	96.1	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 79.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.9 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 49 @ 2' (H256071-21)

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	09/29/2025	ND	1.83	91.7	2.00	8.62	
Toluene*	<0.050	0.050	09/29/2025	ND	1.90	94.9	2.00	6.02	
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.89	94.7	2.00	4.71	
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.62	93.7	6.00	4.23	
Total BTEX	<0.300	0.300	09/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2025	ND	177	88.3	200	0.578	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	192	96.1	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 75.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.0 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 50 @ 2' (H256071-22)

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	09/29/2025	ND	1.83	91.7	2.00	8.62		
Toluene*	<0.050	0.050	09/29/2025	ND	1.90	94.9	2.00	6.02		
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.89	94.7	2.00	4.71		
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.62	93.7	6.00	4.23		
Total BTEX	<0.300	0.300	09/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/29/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/29/2025	ND	177	88.3	200	0.578		
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	192	96.1	200	3.01		
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND						

Surrogate: 1-Chlorooctane 64.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 62.8 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 51 @ 2' (H256071-23)

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	09/30/2025	ND	1.83	91.7	2.00	8.62	
Toluene*	<0.050	0.050	09/30/2025	ND	1.90	94.9	2.00	6.02	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.89	94.7	2.00	4.71	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.62	93.7	6.00	4.23	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2025	ND	177	88.3	200	0.578	
DRO >C10-C28*	57.4	10.0	09/29/2025	ND	192	96.1	200	3.01	
EXT DRO >C28-C36	21.1	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 78.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.9 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 52 @ 2' (H256071-24)

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	09/30/2025	ND	1.83	91.7	2.00	8.62	
Toluene*	<0.050	0.050	09/30/2025	ND	1.90	94.9	2.00	6.02	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.89	94.7	2.00	4.71	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.62	93.7	6.00	4.23	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2025	ND	177	88.3	200	0.578	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	192	96.1	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 74.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 73.3 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 53 @ 2' (H256071-25)

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	09/30/2025	ND	1.83	91.7	2.00	8.62	
Toluene*	<0.050	0.050	09/30/2025	ND	1.90	94.9	2.00	6.02	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.89	94.7	2.00	4.71	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.62	93.7	6.00	4.23	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2025	ND	177	88.3	200	0.578	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	192	96.1	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 75.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.7 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 54 @ 2' (H256071-26)

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	09/30/2025	ND	1.83	91.7	2.00	8.62	
Toluene*	<0.050	0.050	09/30/2025	ND	1.90	94.9	2.00	6.02	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.89	94.7	2.00	4.71	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.62	93.7	6.00	4.23	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2025	ND	177	88.3	200	0.578	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	192	96.1	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 76.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 75.2 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 55 @ 2' (H256071-27)

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	09/30/2025	ND	1.83	91.7	2.00	8.62	
Toluene*	<0.050	0.050	09/30/2025	ND	1.90	94.9	2.00	6.02	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.89	94.7	2.00	4.71	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.62	93.7	6.00	4.23	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2025	ND	177	88.3	200	0.578	
DRO >C10-C28*	29.7	10.0	09/29/2025	ND	192	96.1	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 69.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 69.0 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 56 @ 2' (H256071-28)

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	09/30/2025	ND	1.83	91.7	2.00	8.62	
Toluene*	<0.050	0.050	09/30/2025	ND	1.90	94.9	2.00	6.02	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.89	94.7	2.00	4.71	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.62	93.7	6.00	4.23	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2025	ND	177	88.3	200	0.578	
DRO >C10-C28*	35.8	10.0	09/29/2025	ND	192	96.1	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 71.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 71.4 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 57 @ 2' (H256071-29)

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	09/30/2025	ND	1.83	91.7	2.00	8.62	
Toluene*	<0.050	0.050	09/30/2025	ND	1.90	94.9	2.00	6.02	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.89	94.7	2.00	4.71	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.62	93.7	6.00	4.23	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2025	ND	177	88.3	200	0.578	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	192	96.1	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 73.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 71.7 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 58 @ 2' (H256071-30)

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	09/30/2025	ND	1.83	91.7	2.00	8.62	
Toluene*	<0.050	0.050	09/30/2025	ND	1.90	94.9	2.00	6.02	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.89	94.7	2.00	4.71	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.62	93.7	6.00	4.23	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2025	ND	177	88.3	200	0.578	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	192	96.1	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 78.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.8 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 59 @ 2' (H256071-31)

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	09/30/2025	ND	1.71	85.4	2.00	11.7	
Toluene*	<0.050	0.050	09/30/2025	ND	1.78	89.2	2.00	8.18	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.81	90.7	2.00	6.00	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.63	93.8	6.00	5.41	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2025	ND	177	88.3	200	0.578	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	192	96.1	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 81.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.3 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 60 @ 2' (H256071-32)

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	09/30/2025	ND	1.71	85.4	2.00	11.7	
Toluene*	<0.050	0.050	09/30/2025	ND	1.78	89.2	2.00	8.18	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.81	90.7	2.00	6.00	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.63	93.8	6.00	5.41	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2025	ND	177	88.3	200	0.578	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	192	96.1	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 65.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 62.9 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 61 @ 2' (H256071-33)

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	09/30/2025	ND	1.71	85.4	2.00	11.7	
Toluene*	<0.050	0.050	09/30/2025	ND	1.78	89.2	2.00	8.18	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.81	90.7	2.00	6.00	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.63	93.8	6.00	5.41	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2025	ND	177	88.3	200	0.578	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	192	96.1	200	3.01	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 74.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 73.1 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 62 @ 2' (H256071-34)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.71	85.4	2.00	11.7	
Toluene*	<0.050	0.050	09/30/2025	ND	1.78	89.2	2.00	8.18	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.81	90.7	2.00	6.00	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.63	93.8	6.00	5.41	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2025	ND	217	109	200	2.32	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	205	103	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 111 % 52.4-130

Surrogate: 1-Chlorooctadecane 108 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 63 @ 2' (H256071-35)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.71	85.4	2.00	11.7	
Toluene*	<0.050	0.050	09/30/2025	ND	1.78	89.2	2.00	8.18	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.81	90.7	2.00	6.00	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.63	93.8	6.00	5.41	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/29/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2025	ND	217	109	200	2.32	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	205	103	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 104 % 52.4-130

Surrogate: 1-Chlorooctadecane 99.6 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 64 @ 2' (H256071-36)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.71	85.4	2.00	11.7	
Toluene*	<0.050	0.050	09/30/2025	ND	1.78	89.2	2.00	8.18	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.81	90.7	2.00	6.00	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.63	93.8	6.00	5.41	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/29/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2025	ND	217	109	200	2.32	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	205	103	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 106 % 52.4-130

Surrogate: 1-Chlorooctadecane 102 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 65 @ 3" (H256071-37)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.71	85.4	2.00	11.7	
Toluene*	<0.050	0.050	09/30/2025	ND	1.78	89.2	2.00	8.18	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.81	90.7	2.00	6.00	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.63	93.8	6.00	5.41	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2025	ND	217	109	200	2.32	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	205	103	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 101 % 52.4-130

Surrogate: 1-Chlorooctadecane 97.7 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 66 @ 3" (H256071-38)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.71	85.4	2.00	11.7	
Toluene*	<0.050	0.050	09/30/2025	ND	1.78	89.2	2.00	8.18	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.81	90.7	2.00	6.00	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.63	93.8	6.00	5.41	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2025	ND	217	109	200	2.32	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	205	103	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 106 % 52.4-130

Surrogate: 1-Chlorooctadecane 101 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 67 @ 3" (H256071-39)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.71	85.4	2.00	11.7	
Toluene*	<0.050	0.050	09/30/2025	ND	1.78	89.2	2.00	8.18	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.81	90.7	2.00	6.00	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.63	93.8	6.00	5.41	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2025	ND	217	109	200	2.32	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	205	103	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 108 % 52.4-130

Surrogate: 1-Chlorooctadecane 105 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 68 @ 3" (H256071-40)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.71	85.4	2.00	11.7	
Toluene*	<0.050	0.050	09/30/2025	ND	1.78	89.2	2.00	8.18	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.81	90.7	2.00	6.00	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.63	93.8	6.00	5.41	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/29/2025	ND	217	109	200	2.32	
DRO >C10-C28*	66.5	10.0	09/29/2025	ND	205	103	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 110 % 52.4-130

Surrogate: 1-Chlorooctadecane 110 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 69 @ 3" (H256071-41)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.71	85.4	2.00	11.7	
Toluene*	<0.050	0.050	09/30/2025	ND	1.78	89.2	2.00	8.18	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.81	90.7	2.00	6.00	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.63	93.8	6.00	5.41	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/29/2025	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	09/29/2025	ND	217	109	200	2.32	
DRO >C10-C28*	80.3	10.0	09/29/2025	ND	205	103	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 112 % 52.4-130

Surrogate: 1-Chlorooctadecane 113 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 70 @ 3" (H256071-42)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.71	85.4	2.00	11.7	
Toluene*	<0.050	0.050	09/30/2025	ND	1.78	89.2	2.00	8.18	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.81	90.7	2.00	6.00	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.63	93.8	6.00	5.41	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	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	09/29/2025	ND	217	109	200	2.32	
DRO >C10-C28*	58.9	10.0	09/29/2025	ND	205	103	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 109 % 52.4-130

Surrogate: 1-Chlorooctadecane 109 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 71 @ 3" (H256071-43)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.71	85.4	2.00	11.7	
Toluene*	<0.050	0.050	09/30/2025	ND	1.78	89.2	2.00	8.18	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.81	90.7	2.00	6.00	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.63	93.8	6.00	5.41	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	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	09/29/2025	ND	217	109	200	2.32	
DRO >C10-C28*	88.2	10.0	09/29/2025	ND	205	103	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 107 % 52.4-130

Surrogate: 1-Chlorooctadecane 108 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 72 @ 3" (H256071-44)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.71	85.4	2.00	11.7	
Toluene*	<0.050	0.050	09/30/2025	ND	1.78	89.2	2.00	8.18	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.81	90.7	2.00	6.00	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.63	93.8	6.00	5.41	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	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	09/29/2025	ND	217	109	200	2.32	
DRO >C10-C28*	132	10.0	09/29/2025	ND	205	103	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 126 % 52.4-130

Surrogate: 1-Chlorooctadecane 131 % 39.9-141

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 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 73 @ 3" (H256071-45)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.71	85.4	2.00	11.7	
Toluene*	<0.050	0.050	09/30/2025	ND	1.78	89.2	2.00	8.18	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.81	90.7	2.00	6.00	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.63	93.8	6.00	5.41	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	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	09/29/2025	ND	217	109	200	2.32	
DRO >C10-C28*	137	10.0	09/29/2025	ND	205	103	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 105 % 52.4-130

Surrogate: 1-Chlorooctadecane 108 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
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Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 74 @ 3" (H256071-46)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.71	85.4	2.00	11.7	
Toluene*	<0.050	0.050	09/30/2025	ND	1.78	89.2	2.00	8.18	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.81	90.7	2.00	6.00	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.63	93.8	6.00	5.41	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	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	09/29/2025	ND	217	109	200	2.32	
DRO >C10-C28*	117	10.0	09/29/2025	ND	205	103	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 106 % 52.4-130

Surrogate: 1-Chlorooctadecane 107 % 39.9-141

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Analytical Results For:

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Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 75 @ 3" (H256071-47)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.71	85.4	2.00	11.7	
Toluene*	<0.050	0.050	09/30/2025	ND	1.78	89.2	2.00	8.18	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.81	90.7	2.00	6.00	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.63	93.8	6.00	5.41	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/29/2025	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	09/29/2025	ND	217	109	200	2.32	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	205	103	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 107 % 52.4-130

Surrogate: 1-Chlorooctadecane 105 % 39.9-141

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Analytical Results For:

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Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 76 @ 3" (H256071-48)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.71	85.4	2.00	11.7	
Toluene*	<0.050	0.050	09/30/2025	ND	1.78	89.2	2.00	8.18	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.81	90.7	2.00	6.00	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.63	93.8	6.00	5.41	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/29/2025	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	09/29/2025	ND	217	109	200	2.32	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	205	103	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 106 % 52.4-130

Surrogate: 1-Chlorooctadecane 103 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
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Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 77 @ 3" (H256071-49)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.71	85.4	2.00	11.7	
Toluene*	<0.050	0.050	09/30/2025	ND	1.78	89.2	2.00	8.18	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.81	90.7	2.00	6.00	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.63	93.8	6.00	5.41	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/29/2025	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	09/29/2025	ND	217	109	200	2.32	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	205	103	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 98.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.9 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 78 @ 3" (H256071-50)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.71	85.4	2.00	11.7	
Toluene*	<0.050	0.050	09/30/2025	ND	1.78	89.2	2.00	8.18	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	1.81	90.7	2.00	6.00	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.63	93.8	6.00	5.41	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	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	09/29/2025	ND	217	109	200	2.32	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	205	103	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 104 % 52.4-130

Surrogate: 1-Chlorooctadecane 102 % 39.9-141

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Analytical Results For:

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 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 79 @ 3" (H256071-51)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.69	84.6	2.00	9.64	
Toluene*	<0.050	0.050	09/30/2025	ND	1.91	95.3	2.00	7.53	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	2.05	103	2.00	5.75	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.91	98.5	6.00	5.86	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	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	09/29/2025	ND	217	109	200	2.32	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	205	103	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 111 % 52.4-130

Surrogate: 1-Chlorooctadecane 107 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 80 @ 3" (H256071-52)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.69	84.6	2.00	9.64	
Toluene*	<0.050	0.050	09/30/2025	ND	1.91	95.3	2.00	7.53	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	2.05	103	2.00	5.75	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.91	98.5	6.00	5.86	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	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	09/29/2025	ND	217	109	200	2.32	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	205	103	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 107 % 52.4-130

Surrogate: 1-Chlorooctadecane 103 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 81 @ 3" (H256071-53)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.69	84.6	2.00	9.64	
Toluene*	<0.050	0.050	09/30/2025	ND	1.91	95.3	2.00	7.53	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	2.05	103	2.00	5.75	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.91	98.5	6.00	5.86	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	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	09/29/2025	ND	217	109	200	2.32	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	205	103	200	1.97	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 109 % 52.4-130

Surrogate: 1-Chlorooctadecane 106 % 39.9-141

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Analytical Results For:

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Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 82 @ 3" (H256071-54)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.69	84.6	2.00	9.64	
Toluene*	<0.050	0.050	09/30/2025	ND	1.91	95.3	2.00	7.53	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	2.05	103	2.00	5.75	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.91	98.5	6.00	5.86	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	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	09/29/2025	ND	187	93.5	200	2.07	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	187	93.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 87.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.7 % 39.9-141

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
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Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 83 @ 3" (H256071-55)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.69	84.6	2.00	9.64	
Toluene*	<0.050	0.050	09/30/2025	ND	1.91	95.3	2.00	7.53	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	2.05	103	2.00	5.75	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.91	98.5	6.00	5.86	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	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	09/29/2025	ND	187	93.5	200	2.07	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	187	93.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 88.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.1 % 39.9-141

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Analytical Results For:

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Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 84 @ 3" (H256071-56)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.69	84.6	2.00	9.64	
Toluene*	<0.050	0.050	09/30/2025	ND	1.91	95.3	2.00	7.53	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	2.05	103	2.00	5.75	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.91	98.5	6.00	5.86	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	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	09/29/2025	ND	187	93.5	200	2.07	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	187	93.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 92.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.9 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 85 @ 2' (H256071-57)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.69	84.6	2.00	9.64	
Toluene*	<0.050	0.050	09/30/2025	ND	1.91	95.3	2.00	7.53	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	2.05	103	2.00	5.75	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.91	98.5	6.00	5.86	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/29/2025	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	09/29/2025	ND	187	93.5	200	2.07	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	187	93.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.3 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 86 @ 2' (H256071-58)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.69	84.6	2.00	9.64	
Toluene*	<0.050	0.050	09/30/2025	ND	1.91	95.3	2.00	7.53	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	2.05	103	2.00	5.75	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.91	98.5	6.00	5.86	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/29/2025	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	09/29/2025	ND	187	93.5	200	2.07	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	187	93.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 65.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 67.9 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
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 2617 W MARLAND
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 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 87 @ 2' (H256071-59)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.69	84.6	2.00	9.64	
Toluene*	<0.050	0.050	09/30/2025	ND	1.91	95.3	2.00	7.53	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	2.05	103	2.00	5.75	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.91	98.5	6.00	5.86	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/29/2025	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	09/29/2025	ND	187	93.5	200	2.07	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	187	93.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 86.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.2 % 39.9-141

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 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 88 @ 2' (H256071-60)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.69	84.6	2.00	9.64	
Toluene*	<0.050	0.050	09/30/2025	ND	1.91	95.3	2.00	7.53	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	2.05	103	2.00	5.75	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.91	98.5	6.00	5.86	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/29/2025	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	09/29/2025	ND	187	93.5	200	2.07	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	187	93.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 92.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 96.7 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 89 @ 2' (H256071-61)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.69	84.6	2.00	9.64	
Toluene*	<0.050	0.050	09/30/2025	ND	1.91	95.3	2.00	7.53	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	2.05	103	2.00	5.75	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.91	98.5	6.00	5.86	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/29/2025	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	09/29/2025	ND	187	93.5	200	2.07	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	187	93.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 88.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 93.2 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 90 @ 2' (H256071-62)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.69	84.6	2.00	9.64	
Toluene*	<0.050	0.050	09/30/2025	ND	1.91	95.3	2.00	7.53	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	2.05	103	2.00	5.75	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.91	98.5	6.00	5.86	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/29/2025	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	09/29/2025	ND	187	93.5	200	2.07	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	187	93.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 71.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 75.1 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 91 @ 2' (H256071-63)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.69	84.6	2.00	9.64	
Toluene*	<0.050	0.050	09/30/2025	ND	1.91	95.3	2.00	7.53	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	2.05	103	2.00	5.75	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.91	98.5	6.00	5.86	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/29/2025	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	09/29/2025	ND	187	93.5	200	2.07	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	187	93.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 88.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 94.9 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 92 @ 2' (H256071-64)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.69	84.6	2.00	9.64	
Toluene*	<0.050	0.050	09/30/2025	ND	1.91	95.3	2.00	7.53	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	2.05	103	2.00	5.75	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.91	98.5	6.00	5.86	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/29/2025	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	09/29/2025	ND	187	93.5	200	2.07	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	187	93.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 88.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.5 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 93 @ 2' (H256071-65)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.69	84.6	2.00	9.64	
Toluene*	<0.050	0.050	09/30/2025	ND	1.91	95.3	2.00	7.53	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	2.05	103	2.00	5.75	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.91	98.5	6.00	5.86	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/29/2025	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	09/29/2025	ND	187	93.5	200	2.07	
DRO >C10-C28*	11.5	10.0	09/29/2025	ND	187	93.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 87.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 92.6 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: NW 3 (H256071-66)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.69	84.6	2.00	9.64	
Toluene*	<0.050	0.050	09/30/2025	ND	1.91	95.3	2.00	7.53	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	2.05	103	2.00	5.75	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.91	98.5	6.00	5.86	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/29/2025	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	09/29/2025	ND	187	93.5	200	2.07	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	187	93.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 85.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 90.0 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: EW 3 (H256071-67)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2025	ND	1.69	84.6	2.00	9.64	
Toluene*	<0.050	0.050	09/30/2025	ND	1.91	95.3	2.00	7.53	
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	2.05	103	2.00	5.75	
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.91	98.5	6.00	5.86	
Total BTEX	<0.300	0.300	09/30/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/29/2025	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	09/29/2025	ND	187	93.5	200	2.07	
DRO >C10-C28*	29.1	10.0	09/29/2025	ND	187	93.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 94.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 100 % 39.9-141

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Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: EW 4 (H256071-68)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2025	ND	1.69	84.6	2.00	9.64		
Toluene*	<0.050	0.050	09/30/2025	ND	1.91	95.3	2.00	7.53		
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	2.05	103	2.00	5.75		
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.91	98.5	6.00	5.86		
Total BTEX	<0.300	0.300	09/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/29/2025	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	09/29/2025	ND	187	93.5	200	2.07		
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	187	93.5	200	3.54		
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND						

Surrogate: 1-Chlorooctane 89.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 94.2 % 39.9-141

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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
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: SW 1 (H256071-69)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2025	ND	1.69	84.6	2.00	9.64		
Toluene*	<0.050	0.050	09/30/2025	ND	1.91	95.3	2.00	7.53		
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	2.05	103	2.00	5.75		
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.91	98.5	6.00	5.86		
Total BTEX	<0.300	0.300	09/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/29/2025	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	09/29/2025	ND	187	93.5	200	2.07		
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	187	93.5	200	3.54		
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND						

Surrogate: 1-Chlorooctane 77.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.2 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: SW 2 (H256071-70)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2025	ND	1.69	84.6	2.00	9.64		
Toluene*	<0.050	0.050	09/30/2025	ND	1.91	95.3	2.00	7.53		
Ethylbenzene*	<0.050	0.050	09/30/2025	ND	2.05	103	2.00	5.75		
Total Xylenes*	<0.150	0.150	09/30/2025	ND	5.91	98.5	6.00	5.86		
Total BTEX	<0.300	0.300	09/30/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/29/2025	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	09/29/2025	ND	187	93.5	200	2.07		
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	187	93.5	200	3.54		
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND						

Surrogate: 1-Chlorooctane 89.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 93.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: SW 3 (H256071-71)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/29/2025	ND	1.76	88.1	2.00	9.50		
Toluene*	<0.050	0.050	09/29/2025	ND	1.79	89.5	2.00	6.48		
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.77	88.3	2.00	4.22		
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.15	85.9	6.00	3.87		
Total BTEX	<0.300	0.300	09/29/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.3 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/29/2025	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	09/29/2025	ND	187	93.5	200	2.07		
DRO >C10-C28*	12.2	10.0	09/29/2025	ND	187	93.5	200	3.54		
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND						

Surrogate: 1-Chlorooctane 89.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 96.0 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: WW 2 (H256071-72)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2025	ND	1.76	88.1	2.00	9.50	
Toluene*	<0.050	0.050	09/29/2025	ND	1.79	89.5	2.00	6.48	
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.77	88.3	2.00	4.22	
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.15	85.9	6.00	3.87	
Total BTEX	<0.300	0.300	09/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/29/2025	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	09/29/2025	ND	187	93.5	200	2.07	
DRO >C10-C28*	11.7	10.0	09/29/2025	ND	187	93.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 94.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 101 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/26/2025	Sampling Date:	09/26/2025
Reported:	10/01/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: WW 3 (H256071-73)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/29/2025	ND	1.76	88.1	2.00	9.50	
Toluene*	<0.050	0.050	09/29/2025	ND	1.79	89.5	2.00	6.48	
Ethylbenzene*	<0.050	0.050	09/29/2025	ND	1.77	88.3	2.00	4.22	
Total Xylenes*	<0.150	0.150	09/29/2025	ND	5.15	85.9	6.00	3.87	
Total BTEX	<0.300	0.300	09/29/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/29/2025	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	09/29/2025	ND	187	93.5	200	2.07	
DRO >C10-C28*	<10.0	10.0	09/29/2025	ND	187	93.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	09/29/2025	ND					

Surrogate: 1-Chlorooctane 86.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 90.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Joel Lowry
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 21311 Project Owner: Permian Resources Oper
Project Name: Misty Ivore CTB
Project Location: 32.699573, -103.936723
Sampler Name: Dustin Crockett
BILL TO: P.O. #: Company: Permian Resources Attn: Montgomery Floyd Address: City: State: Zip: Phone #: Fax #:
ANALYSIS REQUEST: Chloride TPH (8015M) BTEX (8021B)

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.

Relinquished By: [Signature] Date: 9-26-25 Time: 1:54 PM Received By: [Signature] Date: 9-26-25 Time: 1:54 PM
Verbal Result: [] Yes [] No Add'l Phone #: All Results are emailed. Please provide Email address: pm@etechnv.com
REMARKS: 9:30 24 HR RUSH added 9/30/25
Turnaround Time: Standard [X] Rush [] Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Corrected Temp. °C



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Joel Lowry
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 21311 Project Owner: Permian Resources Oper
Project Name: Misty Ivore CTB
Project Location: 32.699573, -103.936723
Sampler Name: Dustin Crockett
BILL TO: P.O. #: Company: Permian Resources Attn: Montgomery Floyd Address: City: State: Zip: Phone #: Fax #:
ANALYSIS REQUEST: Chloride, TPH (8015M), BTEX (8021B)
Table with columns: Lab I.D., Sample I.D., (G)RAB OR (C)OMP., # CONTAINERS, MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE / COOL, OTHER), SAMPLING (DATE, TIME), and analysis results for Chloride, TPH, and BTEX.

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Relinquished By: [Signature] Date: 9/20/25 Time: 1547
Received By: [Signature] Date: [Blank] Time: [Blank]
Verbal Result: [X] Yes [] No Add'l Phone #:
All Results are emailed. Please provide Email address: pm@etechenv.com
REMARKS: 24 HR RUSH added 9/30/25
Delivered By: (Circle One) Observed Temp. °C -89 Corrected Temp. °C -80
Sample Condition Cool Intact [X] Yes [] No [] Yes [] No
CHECKED BY: (Initials) AP
Turnaround Time: 24 HR Standard Rush [X]
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C [] Yes [] No [] Yes [] No
Thermometer ID #140 Correction Factor -0.6°C +0.3



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Joel Lowry
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 21311 Project Owner: Permian Resources Oper
Project Name: Misty Ivore CTB
Project Location: 32.699573, -103.936723
Sampler Name: Dustin Crockett
BILL TO
P.O. #:
Company: Permian Resources
Attn: Montgomery Floyd
Address:
City:
State: Zip:
Phone #:
Fax #:
ANALYSIS REQUEST
Chloride
TPH (8015M)
BTEX (8021B)
FOR LAB USE ONLY
Lab I.D. Sample I.D. (GRAB OR (C)OMP, # CONTAINERS
MATRIX: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER
PRESERV.: ACID/BASE, ICE / COOL, OTHER
SAMPLING: DATE, TIME

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.

Relinquished By: [Signature] Date: 9/26/25 Time: 1547
Received By: [Signature] Date:
Verbal Result: [] Yes [] No Add'l Phone #:
All Results are emailed. Please provide Email address: pm@etechenv.com
REMARKS: 24HR RUSH added 9/30/25
Delivered By: (Circle One) Observed Temp. °C -8.9
Sampler - UPS - Bus - Other: Corrected Temp. °C -8.6
Sample Condition Cool Intact [] Yes [] No
Checked By: (Initials) [Signature]
Turnaround Time: 9:30 Standard Rush [X]
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
Thermometer ID #140 Correction Factor -0.6°C + 0.5



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Joel Lowry
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 21311 Project Owner: Permian Resources Oper
Project Name: Misty Ivore CTB
Project Location: 32.699573, -103.936723
Sampler Name: Dustin Crockett

Table with columns: Lab I.D., Sample I.D., MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE / COOL, OTHER), SAMPLING (DATE, TIME), and ANALYSIS REQUEST (Chloride, TPH (8015M), BTEX (8021B)).

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.

Relinquished By: [Signature] Date: 9-26-25 Time: 1547
Received By: [Signature] Date: [Blank] Time: [Blank]
Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Observed Temp. °C: -8.9°C Corrected Temp. °C: -8.0°C
Sample Condition: Cool Intact [X] Yes [] No [] Yes [] No []
CHECKED BY: (Initials) DP
Turnaround Time: 9/30 Standard [X] Rush []
Bacteria (only) Sample Condition: Cool Intact [X] Yes [] No [] Observed Temp. °C: Corrected Temp. °C:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Joel Lowry
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 21311 Project Owner: Permian Resources Oper
Project Name: Misty Ivore CTB
Project Location: 32.699573, -103.936723
Sampler Name: Dustin Crockett
BILL TO: P.O. #: Company: Permian Resources Attn: Montgomery Floyd Address: City: State: Zip: Phone #: Fax #:
ANALYSIS REQUEST: Chloride TPH (8015M) BTEX (8021B)

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.

Relinquished By: [Signature] Date: 9/26/25 Time: 1547 Received By: [Signature] Date: [Blank] Time: [Blank]
Verbal Result: [] Yes [] No Add'l Phone #:
All Results are emailed. Please provide Email address: gm@etechenv.com
REMARKS: 24 HR RUSH added 9/26/25
Delivered By: (Circle One) Observed Temp. °C -8.9 Corrected Temp. °C -8.6
Sample Condition Cool Intact [] Yes [] No [] Yes [] No
CHECKED BY: (Initials) [Signature]
Turnaround Time: 24 HR Standard [] Rush [X]
Bacteria (only) Sample Condition Cool Intact Observed Temp. °C [] Yes [] No [] Yes [] No
Thermometer ID #140 Correction Factor -0.6°C +0.3



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

October 03, 2025

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: MISTY IVORE CTB

Enclosed are the results of analyses for samples received by the laboratory on 10/02/25 14:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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 "Mike Snyder".

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	10/02/2025	Sampling Date:	10/02/2025
Reported:	10/03/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 45 @ 3' (H256169-01)

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	10/02/2025	ND	1.82	90.8	2.00	23.2	
Toluene*	<0.050	0.050	10/02/2025	ND	1.89	94.6	2.00	16.8	
Ethylbenzene*	<0.050	0.050	10/02/2025	ND	1.89	94.3	2.00	11.4	
Total Xylenes*	<0.150	0.150	10/02/2025	ND	5.84	97.3	6.00	9.93	
Total BTEX	<0.300	0.300	10/02/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/03/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2025	ND	220	110	200	2.44	
DRO >C10-C28*	<10.0	10.0	10/02/2025	ND	211	106	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	10/02/2025	ND					

Surrogate: 1-Chlorooctane 91.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.4 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	10/02/2025	Sampling Date:	10/02/2025
Reported:	10/03/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 47 @ 3' (H256169-02)

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	10/02/2025	ND	1.82	90.8	2.00	23.2	
Toluene*	<0.050	0.050	10/02/2025	ND	1.89	94.6	2.00	16.8	
Ethylbenzene*	<0.050	0.050	10/02/2025	ND	1.89	94.3	2.00	11.4	
Total Xylenes*	<0.150	0.150	10/02/2025	ND	5.84	97.3	6.00	9.93	
Total BTEX	<0.300	0.300	10/02/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/03/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2025	ND	220	110	200	2.44	
DRO >C10-C28*	<10.0	10.0	10/02/2025	ND	211	106	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	10/02/2025	ND					

Surrogate: 1-Chlorooctane 86.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 82.6 % 39.9-141

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*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	10/02/2025	Sampling Date:	10/02/2025
Reported:	10/03/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 72 @ 1' (H256169-03)

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	10/02/2025	ND	1.82	90.8	2.00	23.2	
Toluene*	<0.050	0.050	10/02/2025	ND	1.89	94.6	2.00	16.8	
Ethylbenzene*	<0.050	0.050	10/02/2025	ND	1.89	94.3	2.00	11.4	
Total Xylenes*	<0.150	0.150	10/02/2025	ND	5.84	97.3	6.00	9.93	
Total BTEX	<0.300	0.300	10/02/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/03/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2025	ND	220	110	200	2.44	
DRO >C10-C28*	<10.0	10.0	10/02/2025	ND	211	106	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	10/02/2025	ND					

Surrogate: 1-Chlorooctane 92.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 89.5 % 39.9-141

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	10/02/2025	Sampling Date:	10/02/2025
Reported:	10/03/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 73 @ 1' (H256169-04)

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	10/02/2025	ND	1.82	90.8	2.00	23.2	
Toluene*	<0.050	0.050	10/02/2025	ND	1.89	94.6	2.00	16.8	
Ethylbenzene*	<0.050	0.050	10/02/2025	ND	1.89	94.3	2.00	11.4	
Total Xylenes*	<0.150	0.150	10/02/2025	ND	5.84	97.3	6.00	9.93	
Total BTEX	<0.300	0.300	10/02/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/03/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2025	ND	220	110	200	2.44	
DRO >C10-C28*	<10.0	10.0	10/02/2025	ND	211	106	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	10/02/2025	ND					

Surrogate: 1-Chlorooctane 100 % 52.4-130

Surrogate: 1-Chlorooctadecane 95.2 % 39.9-141

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	10/02/2025	Sampling Date:	10/02/2025
Reported:	10/03/2025	Sampling Type:	Soil
Project Name:	MISTY IVORE CTB	Sampling Condition:	Cool & Intact
Project Number:	21311	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN 32.699573, -103.936723		

Sample ID: FL 74 @ 1' (H256169-05)

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	10/02/2025	ND	1.82	90.8	2.00	23.2	
Toluene*	<0.050	0.050	10/02/2025	ND	1.89	94.6	2.00	16.8	
Ethylbenzene*	<0.050	0.050	10/02/2025	ND	1.89	94.3	2.00	11.4	
Total Xylenes*	<0.150	0.150	10/02/2025	ND	5.84	97.3	6.00	9.93	
Total BTEX	<0.300	0.300	10/02/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/03/2025	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/02/2025	ND	220	110	200	2.44	
DRO >C10-C28*	<10.0	10.0	10/02/2025	ND	211	106	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	10/02/2025	ND					

Surrogate: 1-Chlorooctane 92.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 87.9 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
- 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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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Etech Environmental & Safety Solutions, Inc.
Project Manager: Joel Lowry
Address: 2617 West Marland
City: Hobbs State: NM Zip: 88240
Phone #: (575) 264-9884 Fax #:
Project #: 21311 Project Owner: Permian Resources Oper
Project Name: Misty Ivore CTB
Project Location: 32.699573, -103.936723
Sampler Name: Dustin Crockett

Table with columns: Lab I.D., Sample I.D., MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE / COOL, OTHER), SAMPLING (DATE, TIME), and analysis results for Chloride, TPH (8015M), and BTEX (8021B).

LEASE 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.

Relinquished By: [Signature] Date: 10-2-25 Time: 1440
Received By: [Signature] Date: [Blank] Time: [Blank]
Verbal Result: [X] Yes [] No Add'l Phone #:
All Results are emailed. Please provide Email address: pm@etechenv.com
REMARKS: 24H Rush
Delivered By: (Circle One) [X] UPS [] Bus [] Other
Observed Temp. °C: 2.4 Corrected Temp. °C: 2.1
Sample Condition: [X] Cool [] Intact [X] Yes [] No
CHECKED BY: [Signature]
Turnaround Time: Standard [] Rush [X]
Bacteria (only) Sample Condition: [] Cool [X] Intact [] Yes [X] No [] Observed Temp. °C: [] Corrected Temp. °C: []
Thermometer ID #140 Correction Factor -0.6°C TO-3



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

December 17, 2024

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: DAGGER DRAW TRUNK LINE

Enclosed are the results of analyses for samples received by the laboratory on 12/11/24 8:40.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "C" 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:	12/11/2024	Sampling Date:	12/10/2024
Reported:	12/17/2024	Sampling Type:	Soil
Project Name:	DAGGER DRAW TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	20174	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE 32.580475,-104.470077		

Sample ID: STOCKTON BACKFILL PIT (H247490-01)

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	12/11/2024	ND	1.78	89.0	2.00	10.4	
Toluene*	<0.050	0.050	12/11/2024	ND	1.79	89.6	2.00	9.70	
Ethylbenzene*	<0.050	0.050	12/11/2024	ND	1.79	89.3	2.00	9.23	
Total Xylenes*	<0.150	0.150	12/11/2024	ND	5.35	89.2	6.00	9.38	
Total BTEX	<0.300	0.300	12/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	12/12/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2024	ND	194	97.1	200	1.07	
DRO >C10-C28*	<10.0	10.0	12/12/2024	ND	194	96.8	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	12/12/2024	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

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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Celey D. Keene, Lab Director/Quality Manager



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

September 08, 2025

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: STATE #002

Enclosed are the results of analyses for samples received by the laboratory on 09/02/25 14:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
 JOEL LOWRY
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received:	09/02/2025	Sampling Date:	08/29/2025
Reported:	09/08/2025	Sampling Type:	Soil
Project Name:	STATE #002	Sampling Condition:	Cool & Intact
Project Number:	21940	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.655878-104.209706		

Sample ID: STOCKPILE 1 (H255439-01)

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	09/03/2025	ND	1.97	98.7	2.00	1.98	
Toluene*	<0.050	0.050	09/03/2025	ND	1.98	98.8	2.00	2.26	
Ethylbenzene*	<0.050	0.050	09/03/2025	ND	1.94	96.9	2.00	2.44	
Total Xylenes*	<0.150	0.150	09/03/2025	ND	5.72	95.4	6.00	2.34	
Total BTEX	<0.300	0.300	09/03/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/03/2025	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	09/03/2025	ND	236	118	200	4.57	
DRO >C10-C28*	<10.0	10.0	09/03/2025	ND	181	90.3	200	0.790	
EXT DRO >C28-C36	<10.0	10.0	09/03/2025	ND					

Surrogate: 1-Chlorooctane 84.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.4 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Form containing company information (Etech Environmental & Safety Solutions, Inc.), project details (Project # 21940, State #002), and a table for analysis request with columns for Matrix (Groundwater, Soil, Sludge), Preservation (Acid/Base, Ice/Cool, Other), and Sampling (Date, Time). The table includes handwritten entries for 'Stockpile 1' and '8/29/25'.

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Form for Relinquished/Received By, Verbal Result, and Turnaround Time. Includes handwritten signatures, dates (7-2-25), and times (1455). Turnaround time is marked as 'Standard' with 'X' in the box.

Appendix E

NMOCD Incident Details

OCD Permitting

Home Searches Incidents Incident Details

nAPP2427735134 Misty Ivore 35 CTB 1

General Incident Information

Well:
 Facility: [\[fAPP2216672586\]](#) MISTY-IVORE FEDERAL BATTERY
 Operator: [\[372165\]](#) Permian Resources Operating, LLC
 Status: Active
 Stage: Initial C-141 Approved, Pending submission of Site Characterization / Remediation Plan OR Remediation Closure Report from the operator
 Type: Oil Release **Severity:**

Incident Location: P-35-18S-30E 0 FNL 0 FEL
 Lat/Long: 32.699608,-103.935447 NAD83
 District: Artesia **County:** Eddy (15)
 Surface Owner: Federal

- Quic
- [Gene](#)
- [Mater](#)
- [Event](#)
- [Order](#)
- [Actior](#)
- Asso
- [Facilit](#)
- [Incide](#)
- New
- [New f](#)
- [New J](#)
- [New \(](#)
- [New f](#)
- [New \](#)

Severity Indicators

Resulted In Fire: **Resulted In Injury:**
 Endangered Public Health: **Will or Has Reached Watercourse:**
 Fresh Water Contamination: **Property Or Environmental Damage:**

Notes

Source of Referral: Industry Rep **Action / Escalation:**

Contact Details

Contact Name: **Contact Title:**

Event Dates

Date of Discovery: 10/03/2024 **Initial C-141 Report Due:** 10/18/2024
Remediation Closure Report Due: 01/01/2025

Incident Dates

19.15.29 NMAC - RELEASES

Type	Action	Received	Denied	Approved
Variance Request		09/23/2025		09/24/2025
Sampling Notice	[508320]	09/23/2025		09/23/2025
Sampling Notice	[508317]	09/23/2025		09/23/2025
Sampling Notice	[508313]	09/23/2025		09/23/2025
Sampling Notice	[508310]	09/23/2025		09/23/2025

19.15.30 NMAC - REMEDIATION

Type	Action	Received	Denied	Approved
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Compositional Analysis of Vented and/or Flared Natural Gas

No Compositional Analysis Found

Incident Materials

Cause	Source	Material	Volume			Units	
			Unk.	Released	Recovered		Lost
Normal Operations	Dump Valve	Crude Oil	<input type="checkbox"/>	49	0	49	BBL
The concentration of dissolved chloride in the produced water >10,000 mg/l: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							

Incident Events

Date	Detail
09/24/2025	Variance requested for the two-business day sampling notification because "My team mistakenly collected twenty-two (22) confirmation soil samples on 9/17/2025 and nineteen (19) confirmation soil samples on 9/18/2025 without the proper electronic sampling notification. While we haven't received analytical results from the laboratory, unfortunately it was too late to cancel the work orders. We anticipate that the remaining remediation activities will require the collection of at least 165 more confirmation soil samples, so we expect the excavation, including the subject area, to remain open for some time". Variance approved.
09/23/2025	The (09/23/2025, C-141N) application [508320] was assigned to this incident.
09/23/2025	The (09/23/2025, C-141N) application [508317] was assigned to this incident.
09/23/2025	The (09/23/2025, C-141N) application [508313] was assigned to this incident.
09/23/2025	The (09/23/2025, C-141N) application [508310] was assigned to this incident.
10/03/2024	The (10/03/2024, C-141) application [389677] was accepted by OCD. The operator was emailed with details of this event.
10/03/2024	An application [389677] was submitted to OCD for review. It was submitted, indicating that it was an: [C-141] Application for administrative approval of a release notification and corrective action The operator was emailed confirmation of this event.
10/03/2024	The (10/03/2024, C-141) application [389677] was assigned to this incident.
10/03/2024	The (10/03/2024, NOR) application [389605] was assigned to this incident.
10/03/2024	Release discovered by the operator.
10/03/2024	New incident created by the operator, upon the submission of notification of release.

Incident Severity

Major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
--	--

Searches

Operator Data

Hearing Fee Application

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

If all the actions described above have not been undertaken, explain why:

No site characterization data was found for this incident.

Remediation Plan

Have the lateral and vertical extents of contamination been fully delineated?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
On what estimated date will the remediation commence?	
On what date will (or did) the final sampling occur?	
On what date will (or was) the remediation complete(d)	

Release is indicated as not yet fully delineated. Any Deferral Requests received may not be granted for this incident.

No remediation closure report data was found for this incident.

No reclamation report data was found for this incident.

No re-vegetation report data was found for this incident.

Orders

No Orders Found

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

General Information
Phone: (505) 629-6116

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

QUESTIONS

Action 522194

QUESTIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 522194
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2427735134
Incident Name	NAPP2427735134 MISTY IVORE 35 CTB 1 @ FAPP2216672586
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2216672586] MISTY-IVORE FEDERAL BATTERY

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	Misty Ivore 35 CTB 1
Date Release Discovered	10/03/2024
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Normal Operations Dump Valve Crude Oil Released: 49 BBL Recovered: 0 BBL Lost: 49 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 522194

QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 522194
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Matthew Taylor Title: Environmental Coordinator Email: matthew.taylor@permianres.com Date: 10/31/2025
--	--

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QUESTIONS, Page 3

Action 522194

QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 522194
	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	Estimate or Other
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 1000 (ft.) and ½ (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	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 200 and 300 (ft.)
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between ½ and 1 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

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

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

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

Chloride (EPA 300.0 or SM4500 Cl B)	720
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	237
GRO+DRO (EPA SW-846 Method 8015M)	174
BTEX (EPA SW-846 Method 8021B or 8260B)	0.1
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	09/16/2025
On what date will (or did) the final sampling or liner inspection occur	10/02/2025
On what date will (or was) the remediation complete(d)	10/03/2025
What is the estimated surface area (in square feet) that will be reclaimed	19735
What is the estimated volume (in cubic yards) that will be reclaimed	1042
What is the estimated surface area (in square feet) that will be remediated	19735
What is the estimated volume (in cubic yards) that will be remediated	1080

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

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

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QUESTIONS, Page 4

Action 522194

QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 522194
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)

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

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

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	FEEM0112342028 LEA LAND LANDFILL
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: Matthew Taylor Title: Environmental Coordinator Email: matthew.taylor@permianres.com Date: 10/31/2025
--	--

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

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QUESTIONS, Page 5

Action 522194

QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 522194
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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QUESTIONS, Page 6

Action 522194

QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 522194
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	508320
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/06/2025
What was the (estimated) number of samples that were to be gathered	206
What was the sampling surface area in square feet	38000

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	19735
What was the total volume (cubic yards) remediated	1080
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	12089
What was the total volume (in cubic yards) reclaimed	605
Summarize any additional remediation activities not included by answers (above)	Remediation is complete at the site.

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: Matthew Taylor Title: Environmental Coordinator Email: matthew.taylor@permianres.com Date: 10/31/2025
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Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 7

Action 522194

QUESTIONS (continued)

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 522194
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 522194

CONDITIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 522194
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	1/26/2026