

# Remediation Summary & Soil Closure Request

## Permian Resources Whitten SWD ROW

Lea County, New Mexico

Unit Letter "H", Section 14, Township 20 South, Range 34 East

Latitude 32.574814° North, Longitude 103.536446° West

NMOCD Reference No. nAPP2429762272 & nAPP2503175872

Prepared By:

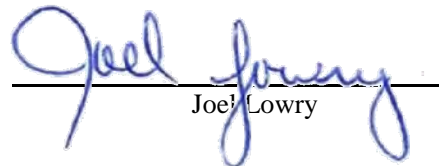
**Etech Environmental & Safety Solutions, Inc.**

6309 Indiana Ave, Ste. D

Lubbock, Texas 79413

July 16, 2025

  
Ben J. Arguijo

  
Joel Lowry



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, has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the Whitten SWD ROW (henceforth, "Site"). A crude oil and produced water release that occurred on January 31, 2025 (Incident ID #nAPP2503175872), affected an area that had been previously impacted by a release that occurred on October 23, 2024 (Incident ID #nAPP2429762272). Details of the individual releases are summarized below. The spills were remediated concurrently.

**nAPP2429762272****Location of Release Source**Latitude: 32.574814° Longitude: -103.536446°

Provided GPS are in NAD83 format.

Site Name:	Whitten Road SWD	Site Type:	Pipeline
Date Release Discovered:	10/23/2024	API # (if applicable):	N/A

Unit Letter	Section	Township	Range	County
"H"	14	20S	34E	Lea

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name \_\_\_\_\_)**Nature and Volume of Release**

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls)	258	Volume Recovered (bbls)	144
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls)	2,321	Volume Recovered (bbls)	1,296
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)		
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)		
<input type="checkbox"/> Other (describe)	Volume/Weight Released	Volume/Weight Recovered		
Cause of Release: Equipment failure - Pipeline				

**Initial Response**

<input checked="" type="checkbox"/>	The source of the release has been stopped.
<input checked="" type="checkbox"/>	The impacted area has been secured to protect human health and the environment.
<input checked="" type="checkbox"/>	Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
<input checked="" type="checkbox"/>	All free liquids and recoverable materials have been removed and managed appropriately.

**nAPP2503175872**  
**Location of Release Source**Latitude: 32.574814° Longitude: -103.536446°

Provided GPS are in NAD83 format.

Site Name:	Whitten SWD ROW	Site Type:	Pipeline
Date Release Discovered:	1/31/2025	API # (if applicable):	N/A

Unit Letter	Section	Township	Range	County
"H"	14	20S	34E	Lea

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name \_\_\_\_\_)**Nature and Volume of Release**

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls)	295	Volume Recovered (bbls)	210
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls)	1,890	Volume Recovered (bbls)	769
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)		
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)		
<input type="checkbox"/> Other (describe)	Volume/Weight Released	Volume/Weight Recovered		
Cause of Release: Equipment failure - Pipeline				

**Initial Response**

<input checked="" type="checkbox"/> The source of the release has been stopped.
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.
<input checked="" type="checkbox"/> Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.

Previously submitted portions of the New Mexico Oil Conservation Division (NMOCD) Forms 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?	Direct Measurement
Did the release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
What is the minimum distance between the closest lateral extents of the release and the following surface areas?	
A continuously flowing watercourse or any other significant watercourse?	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution or church?	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	Between 500 and 1,000 (ft.)
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 and 5 (mi.)
A subsurface mine?	Greater than 5 (mi.)
A (non-karst) unstable area?	Between 1 and 5 (mi.)
Categorize the risk of this well/site being in a karst geology.	Low
A 100-year floodplain?	Greater than 5 (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 in Appendix A.

Additional NMOCD Site Characterization 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 releases, depth to groundwater, and NMOCD Site Characterization data, the NMOCD Closure Criteria and NMOCD Reclamation Standards for the Site are as follows:

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

\* Measured in milligrams per kilogram (mg/kg)

\*\* Environmental Protection Agency

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

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

## 4.0 INITIAL SITE ASSESSMENT

From March 11 through 13, 2025, Etech conducted an initial site assessment. During the site assessment, four (4) hand-augered soil bores (TT 1 through TT 4) were advanced within the release margins in an effort to determine the vertical extent of impacted soil. In addition, ten (10) hand-augered soil bores (NH 1, NH 2, EH 1, EH 2, EH 3, SH 1, SH 2, WH 1, WH 2, and WH 3) were advanced at the inferred edges of the affected area in an effort to determine the horizontal extent of impacted soil. During the advancement of the test trenches and soil bores, soil samples were collected and field-screened for concentrations of chloride utilizing a Hach Quantab ® chloride test kit and/or the presence of Volatile Organic Compounds (VOCs) utilizing olfactory/visual senses.

Based on field observations and field test data, a total of 28 delineation soil samples (TT 1 @ 2', TT 1 @ 4', TT 2 @ 2', TT 2 @ 4', TT 3 @ 2', TT 3 @ 4', TT 4 @ 2', TT 4 @ 4', NH 1 @ 2', NH 1 @ 6', NH 2 @ 2', NH 2 @ 6', EH 1 @ 2', EH 1 @ 6', EH 2 @ 2', EH 2 @ 6', EH 3 @ 2', EH 3 @ 6', SH 1 @ 2', SH 1 @ 6', SH 2 @ 2', SH 2 @ 6', WH 1 @ 2', WH 1 @ 6', WH 2 @ 2', WH 2 @ 6', WH 3 @ 2', and WH 3 @ 6') were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results and field screens, the horizontal extent of impacted soil was adequately defined in the areas characterized by sample points NH 1, NH 2, EH 1, EH 2, EH 3, SH 1, SH 2, WH 1, WH 2, and WH 3. The vertical extent of impacted soil was adequately defined in the areas characterized by sample points TT 1 through TT 4 and did not extend beyond four (4) feet bgs.

The locations of the test trenches and hand-augered soil bores are depicted in Figure 3, "Sample Location Map - Delineation."

## 5.0 REGULATORY APPROVALS & STIPULATIONS

On May 2, 2025, based on the size and nature of the release, the depth to groundwater (>100 feet), the lack of variability in surface topography, and the shallow depths of contaminant intrusion (i.e., 2 to 4 feet bgs), a *Site Assessment Summary, Proposed Remediation Plan & Alternative Sampling Plan* ("Remediation Plan") was submitted to the NMOCD requesting an alternative sampling plan comprised of five-point composite confirmation samples collected from the floor of the excavated area at intervals representing no more than 400 square feet. The alternative sampling plan was subsequently approved by the NMOCD, with the stipulation that confirmation samples be collected every 200 square feet from the excavation sidewalls.

## 6.0 REMEDIATION ACTIVITIES SUMMARY

On March 10, 2025, remediation activities commenced at the Site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and/or NMOCD Reclamation Standards was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a chloride test kit were utilized to field-screen the horizontal and vertical extent of impacted soil and to guide the excavation. The floor and sidewalls of the excavation were advanced until field tests and field observations suggested that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and/or NMOCD Reclamation Standards.

In accordance with the NMOCD-approved Remediation Plan, representative five-point composite confirmation soil samples were collected every 400 square feet from the excavation floor and every 200 square feet from the excavation sidewalls to be submitted for laboratory analysis. A summary of soil sampling events is provided on the following page.

Summary of Soil Sampling Events

Constituent	Highest Observable Concentration (mg/kg)	Sample ID	Sample Date	Sample Depth (ft bgs)	Soil Status
Chloride	16,400	FL 21 @ 4'	5/15/25	4	In-Situ
TPH	9,300	FL 39 @ 4'	5/19/25	4	Excavated
GRO+DRO	7,760	FL 39 @ 4'	5/19/25	4	Excavated
BTEX	<0.300	See Table 1	3/11–13, 5/15, 5/19, 6/3 & 6/4/25	0–6	In-Situ & Excavated
Benzene	<0.050	See Table 1	3/11–13, 5/15, 5/19, 6/3 & 6/4/25	0–6	In-Situ & Excavated

Please reference Table 1 for additional information.

On May 15, 2025, Etech collected 73 confirmation soil samples (FL 1 @ 4' through FL 31 @ 4' and W 1 through W 42) 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 concentrations were below the NMOCD Closure Criterion, NMOCD Reclamation Standard, and laboratory method detection limit (MDL) in each of the submitted soil samples. GRO+DRO concentrations ranged from less than the laboratory MDL in soil samples FL 30 @ 4', W 1 through W 11, W 13, W 14, W 17 through W 32, and W 41 to 6,820 mg/kg in soil sample FL 24 @ 4'. GRO+DRO concentrations in samples FL 7 @ 4', FL 8 @ 4', FL 11 @ 4' through FL 15 @ 4', FL 17 @ 4', FL 22 @ 4', FL 24 @ 4', FL 25 @ 4', FL 27 @ 4', FL 28 @ 4', FL 31 @ 4', W 15, W 35, and W 42 exceeded the NMOCD Closure Criterion. TPH concentrations ranged from less than the laboratory MDL in soil samples FL 30 @ 4', W 1 through W 11, W 13, W 14, W 17 through W 32, and W 41 to 8,180 mg/kg in soil sample FL 24 @ 4'. TPH concentrations in samples FL 8 @ 4', FL 11 @ 4', FL 13 @ 4', FL 14 @ 4', FL 15 @ 4', FL 22 @ 4', FL 24 @ 4', FL 27 @ 4', FL 28 @ 4', W 12, W 15, W 34, W 35, W 37, W 40, and W 42 exceeded the NMOCD Closure Criterion and/or NMOCD Reclamation Standard. Chloride concentrations ranged from 32.0 mg/kg in soil samples W 19, W 21, W 28, and W 41 to 16,400 mg/kg in soil sample FL 21 @ 4'. Chloride concentrations in samples W 12, W 32 through W 35, W 37, and W 42 exceeded the NMOCD Reclamation Standard.

Based on these laboratory analytical results, the excavation was subsequently further advanced in the areas characterized by soil samples FL 7 @ 4', FL 8 @ 4', FL 11 @ 4' through FL 15 @ 4', FL 17 @ 4', FL 22 @ 4', FL 24 @ 4', FL 25 @ 4', FL 27 @ 4', FL 28 @ 4', FL 31 @ 4', W 12, W 15, W 32 through W 35, W 37, W 40, and W 42.

On May 19, 2025, Etech collected 79 confirmation soil samples (FL 32 @ 4' through FL 105 @ 4' and W 43 through W 47) 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 concentrations were below the NMOCD Closure Criterion, NMOCD Reclamation Standard, and laboratory MDL in each of the submitted soil samples. GRO+DRO concentrations ranged from less than the laboratory MDL in soil samples FL 52 @ 4', FL 60 @ 4', FL 61 @ 4', FL 62 @ 4', FL 64 @ 4', FL 77 @ 4' through FL 80 @ 4', FL 96 @ 4' through FL 103 @ 4', FL 105 @ 4', and W 43 through W 47 to 7,760 mg/kg in soil sample FL 39 @ 4'. GRO+DRO concentrations in samples FL 32 @ 4' through FL 46 @ 4', FL 50 @ 4', FL 53 @ 4', FL 56 @ 4', FL 57 @ 4', FL 70 @ 4', FL 83 @ 4' through FL 86 @ 4', FL 88 @ 4', FL 89 @ 4', FL 91 @ 4', FL 92 @ 4', FL 93 @ 4', and FL 95 @ 4' exceeded the NMOCD Closure Criterion. TPH concentrations ranged from less than the laboratory MDL in soil samples FL 52 @ 4', FL 60 @ 4', FL 61 @ 4', FL 62 @ 4', FL 64 @ 4', FL 77 @ 4' through FL 80 @ 4', FL 96 @ 4' through FL 103 @ 4', FL 105 @ 4', and W 43 through W 47 to 9,300 mg/kg in soil sample FL 39 @ 4'. TPH concentrations in samples FL 32 @ 4' through FL 39 @ 4', FL 41 @ 4', FL 43 @ 4' through FL 46 @ 4', FL 50 @ 4', FL 57 @ 4', FL 70 @ 4', FL 85 @ 4', FL 86 @ 4', FL 88 @ 4', FL 89 @ 4', FL 91 @ 4', and FL 92 @ 4' exceeded the NMOCD Closure Criterion. Chloride concentrations ranged from 192 mg/kg in soil sample W 45 to 14,300 mg/kg in soil sample FL 59 @ 4'. Chloride concentrations were below the NMOCD Closure Criterion and/or NMOCD Reclamation Standard in each of the submitted samples.

Based on these laboratory analytical results, the excavation was subsequently further advanced in the areas characterized by soil samples FL 32 @ 4' through FL 46 @ 4', FL 50 @ 4', FL 53 @ 4', FL 56 @ 4', FL 57 @ 4', FL 70 @ 4', FL 83 @ 4' through FL 86 @ 4', FL 88 @ 4', FL 89 @ 4', FL 91 @ 4', FL 92 @ 4', FL 93 @ 4', and FL 95 @ 4'.

On June 3, 2025, Etech collected 44 confirmation soil samples (FL 7 B, FL 8 B, FL 11 B through FL 15 B, FL 17 B, FL 22 B, FL 24 B, FL 25 B, FL 27 B, FL 28 B, FL 31 B through FL 46 B, FL 50 B, FL 53 B, FL 56 B, FL 57 B, FL 70 B, FL 83 B through FL 86 B, FL 88 B, FL 89 B, FL 91 B, FL 92 B, FL 93 B, and FL 95 B) 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/or NMOCD Reclamation Standards in each of the submitted soil samples. TPH and BTEX concentrations were also less than the applicable laboratory MDL, with the exception of samples FL 8 B, FL 12 B, 43 B, 44 B, and FL 45 B, which exhibited TPH concentrations ranging from 10.5 mg/kg in sample FL 8 B to 378 mg/kg in sample FL 44 B. Chloride concentrations ranged from 192 mg/kg in sample FL 37 B to 6,660 mg/kg in sample FL 43 B.

On June 4, 2025, Etech collected nine (9) confirmation soil samples (W 12 B, W 15 B, W 32 B through W 35 B, W 37 B, W 40 B, and W 42 B) from the sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also less than the applicable laboratory MDL. Chloride concentrations ranged from less than the laboratory MDL in soil samples W 34 B, W 35 B, W 37 B, W 40 B, and W 42 B to 32.0 mg/kg in soil samples W 12 B and W 32 B.

The final dimensions of the excavated area were approximately 211 to 608 feet in length, 11 to 124 feet in width, and four (4) to six (6) feet in depth. During the course of remediation activities, Etech transported approximately 7,876 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported a commensurate volume of locally sourced, non-impacted material to the Site for use as backfill.

Requesting a remediation plan approval with this submission?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
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
On what estimated date will (or did) the remediation commence?	3/10/2025	
On what date will (or did) the final sampling or liner inspection occur?	6/4/2025	
On what date will (or was) the remediation complete(d)?	6/13/2025	
What is the total surface area (sq. ft.) in need of or that will <i>eventually</i> be reclaimed?	43,430	
What is the total volume (cy) in need of or that will <i>eventually</i> be reclaimed?	6,434	
What was the total surface area (sq. ft.) that has or will be remediated?	43,430	
What was the total volume (cy) that has or will be remediated?	7,876	
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.	N/A	

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

## 7.0 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 (ft <sup>2</sup> ) remediated?	43,430	
What was the total volume (cy) remediated?	7,876	

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

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

## 8.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste containing earthen material with concentrations of less than 600 mg/kg chloride, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg benzene?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Requesting a reclamation approval with this submission?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Requesting a restoration complete approval with this submission?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
What was the total surface area (sq. ft.) reclaimed?	43,430	
What was the total volume (cy) reclaimed?	6,434	

On July 3, 2025, a 5-point composite soil sample (Smith Ranch Pit) was collected from the material imported to the Site for use as backfill. The soil sample was 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/or NMOCD Reclamation Standards and confirmed that the material was acceptable for use as backfill.

Upon receipt of all confirmation soil sample results, areas affected by remediation and closure activities were restored to the condition that existed prior to the release, to the extent practicable. Excavated areas were backfilled with locally sourced, non-impacted, "like" material placed at or near original relative positions. The affected areas were compacted and contoured to achieve erosion control, stability, and preservation of surface water flow, to the extent practicable.

On July 8, 2025, the remediated area was revegetated with a BLM #2 seed mixture certified to be free of noxious weeds. The seed was installed at the prescribed rate utilizing a broadcaster and harrow. Photographs of the seeding event and a seed tag are provided in Appendix C. A "Revegetation Form" is provided in Appendix G.

## 9.0 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. Use of the information contained in this report is prohibited without the consent of Etech and/or Permian Resources.

## **10.0      DISTRIBUTION**

***Permian Resources***

*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**





 Site Location

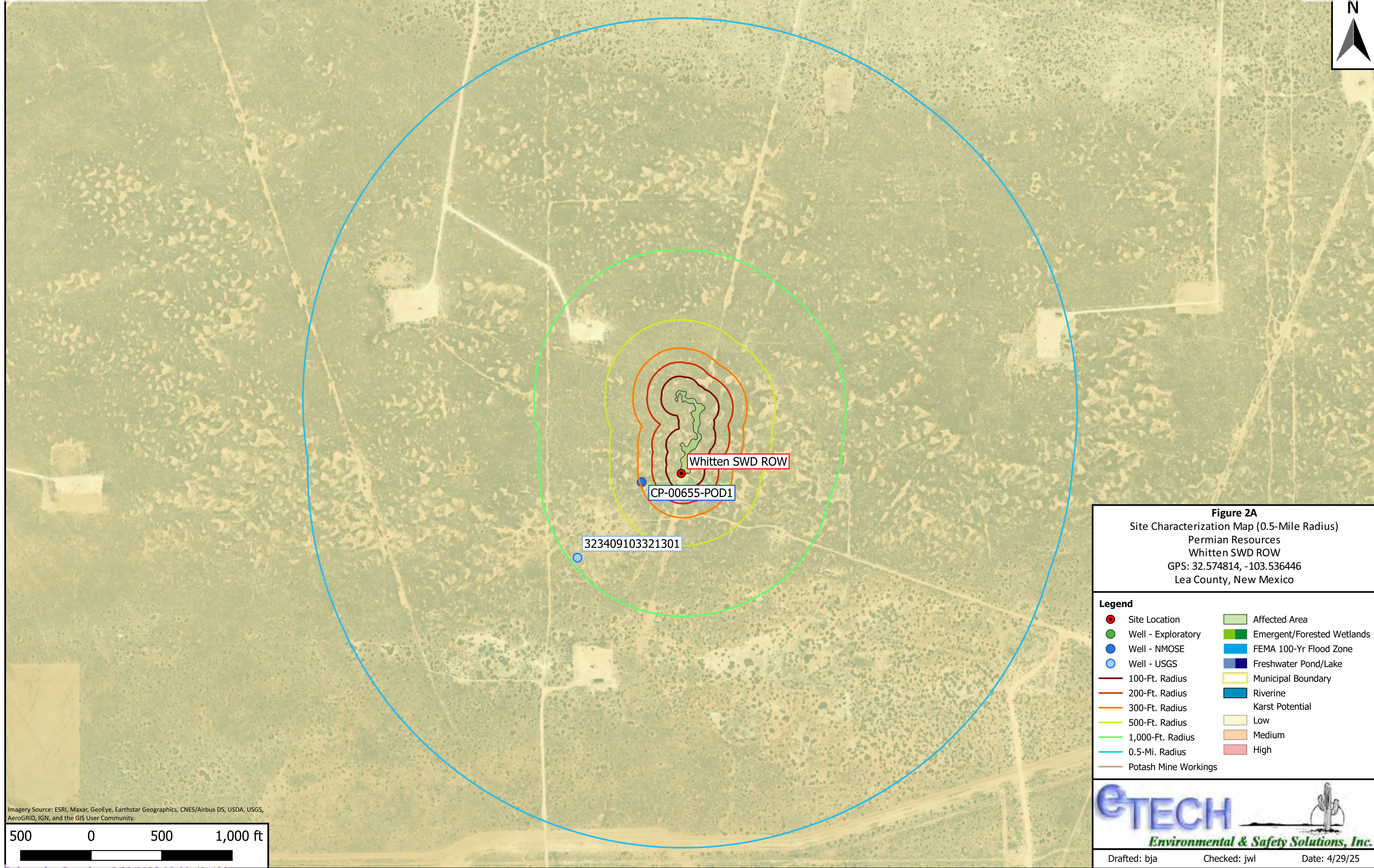
**ETECH**   
Environmental & Safety Solutions, Inc.

Date: 4/29/25

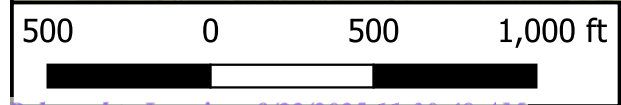
## **Figures 2A & 2B**

### **Site Characterization Maps**





Imagery Source: ESRI, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.



**Figure 2A**  
Site Characterization Map (0.5-Mile Radius)  
Permian Resources  
Whitten SWD ROW  
GPS: 32.574814, -103.536446  
Lea County, New Mexico

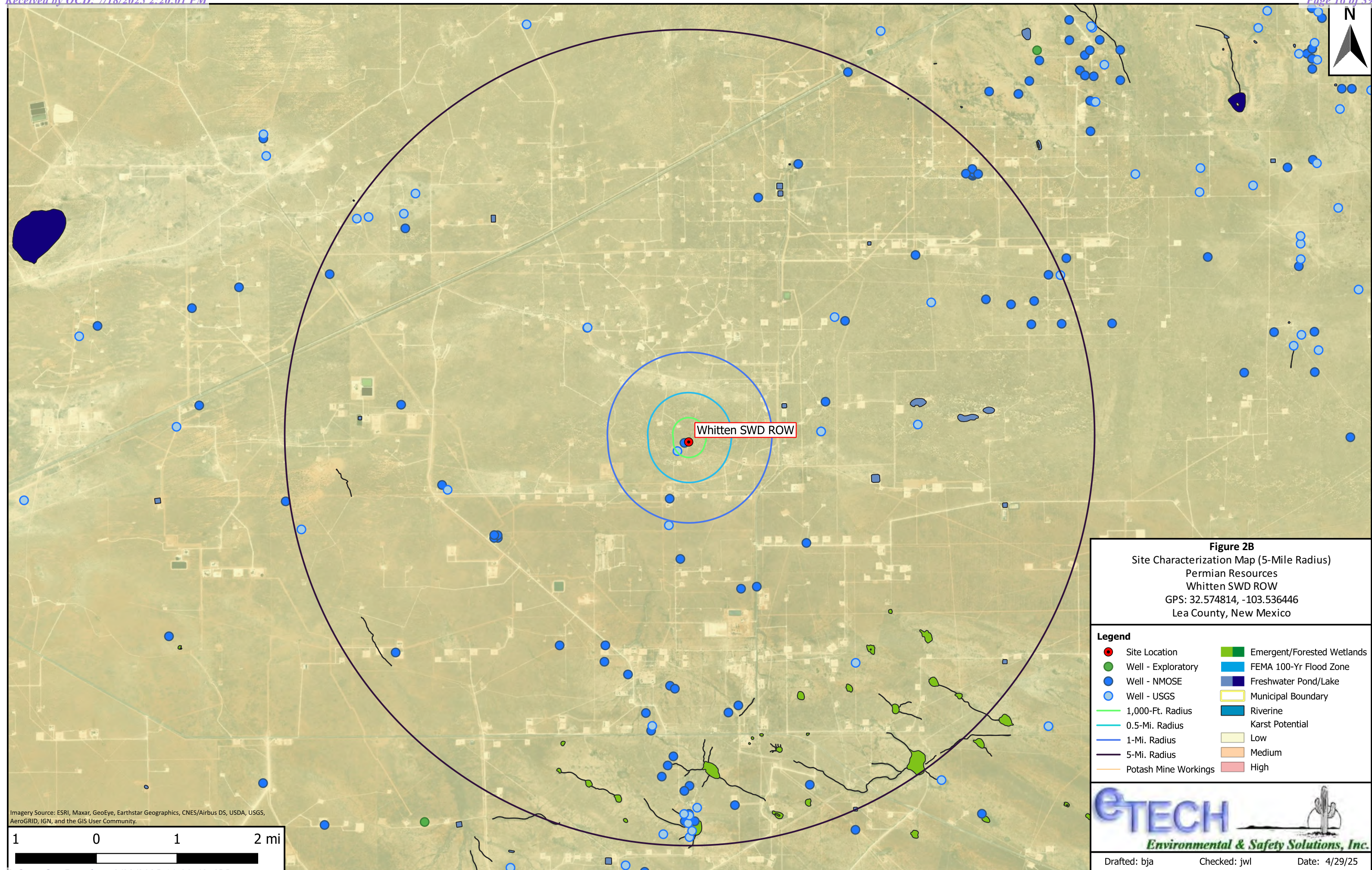
**Legend**

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

**Environmental & Safety Solutions, Inc.**

Drafted: bja      Checked: jwl      Date: 4/29/25









## **Figures 3A & 3B**

### **Sample Location Maps**

**Legend**

-  Affected Area (~32,594 ft<sup>2</sup>)
-  Delineation Sample Location

**Figure 3A**

Sample Location Map - Delineation  
Permian Resources  
Whitten SWD ROW  
GPS: 32.574814, -103.536446  
Lea County, New Mexico



Drafted: bja

Checked: jwl

Date: 4/30/25







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



**Table 1**  
**Concentrations of BTEX, TPH & Chloride in Soil**  
**Permian Resources Operating, LLC**  
**Whitten SWD ROW**  
**NMOCD Ref. #: nAPP2429762272**

NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
Delineation Samples											
TT 1 @ 2'	3/11/2025	2	Excavated	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	9,460
TT 1 @ 4'	3/11/2025	4	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	11,000
TT 2 @ 2'	3/11/2025	2	Excavated	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	10,900
TT 2 @ 4'	3/11/2025	4	Excavated	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	14,600
TT 3 @ 2'	3/11/2025	2	Excavated	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	9,730
TT 3 @ 4'	3/11/2025	4	Excavated	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	10,000
TT 4 @ 2'	3/11/2025	2	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	368
TT 4 @ 4'	3/11/2025	4	In-Situ	-	-	<10.0	<10.0	<20.0	<10.0	<30.0	4,160
NH 1 @ 2'	3/12/2025	2	In-Situ	<10.0	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NH 1 @ 6'	3/12/2025	6	In-Situ	<10.0	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
NH 2 @ 2'	3/12/2025	2	In-Situ	<10.0	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NH 2 @ 6'	3/12/2025	6	In-Situ	<10.0	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EH 1 @ 2'	3/12/2025	2	In-Situ	<10.0	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
EH 1 @ 6'	3/13/2025	6	In-Situ	<10.0	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
EH 2 @ 2'	3/12/2025	2	In-Situ	<10.0	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
EH 2 @ 6'	3/13/2025	6	In-Situ	<10.0	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	320
EH 3 @ 2'	3/13/2025	2	In-Situ	<10.0	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EH 3 @ 6'	3/13/2025	6	In-Situ	<10.0	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
SH 1 @ 2'	3/13/2025	2	Excavated	<10.0	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SH 1 @ 6'	3/13/2025	6	In-Situ	<10.0	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
SH 2 @ 2'	3/12/2025	2	In-Situ	<10.0	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SH 2 @ 6'	3/12/2025	6	In-Situ	<10.0	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WH 1 @ 2'	3/13/2025	2	Excavated	<10.0	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
WH 1 @ 6'	3/13/2025	6	In-Situ	<10.0	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WH 2 @ 2'	3/12/2025	2	In-Situ	<10.0	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
WH 2 @ 6'	3/12/2025	6	In-Situ	<10.0	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WH 3 @ 2'	3/12/2025	2	Excavated	<10.0	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WH 3 @ 6'	3/12/2025	6	In-Situ	<10.0	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
Excavation Samples											
FL 1 @ 4'	5/15/2025	4	In-Situ	<0.050	<0.300	<10.0	80.1	80.1	10.6	90.7	3,400
FL 2 @ 4'	5/15/2025	4	In-Situ	<0.050	<0.300	<10.0	130	130	16.0	146	2,480
FL 3 @ 4'	5/15/2025	4	In-Situ	<0.050	<0.300	<10.0	156	156	20.5	177	2,400
FL 4 @ 4'	5/15/2025	4	In-Situ	<0.050	<0.300	<10.0	497	497	83.4	580	2,960
FL 5 @ 4'	5/15/2025	4	In-Situ	<0.050	<0.300	<10.0	310	310	45.1	355	5,400
FL 6 @ 4'	5/15/2025	4	In-Situ	<0.050	<0.300	<10.0	88.6	88.6	10.6	99.2	12,200
FL 7 @ 4'	5/15/2025	4	Excavated	<0.050	<0.300	18.6	1,790	1,810	240	2,050	6,160
FL 7 B	6/3/2025	5.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,390
FL 8 @ 4'	5/15/2025	4	Excavated	<0.050	<0.300	86.8	3,630	3,720	459	4,180	7,760
FL 8 B	6/3/2025	5.5	In-Situ	<0.050	<0.300	<10.0	10.5	10.5	<10.0	10.5	1,440
FL 9 @ 4'	5/15/2025	4	In-Situ	<0.050	<0.300	<10.0	958	958	153	1,110	8,800
FL 10 @ 4'	5/15/2025	4	In-Situ	<0.050	<0.300	<10.0	692	692	109	801	15,600
FL 11 @ 4'	5/15/2025	4	Excavated	<0.050	<0.300	<10.0	3,100	3,100	416	3,520	10,000
FL 11 B	6/3/2025	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,520

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Red Border with Shading: Highest observed concentration.

<b>Table 1</b> <b>Concentrations of BTEX, TPH &amp; Chloride in Soil</b> <b>Permian Resources Operating, LLC</b> <b>Whitten SWD ROW</b> <b>NMOCD Ref. #: nAPP2429762272</b>											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
FL 12 @ 4'	5/15/2025	4	Excavated	<0.050	<0.300	<10.0	1,760	<b>1,760</b>	412	2,170	7,730
FL 12 B	6/3/2025	5	In-Situ	<0.050	<0.300	<10.0	10.8	10.8	<10.0	10.8	1,710
FL 13 @ 4'	5/15/2025	4	Excavated	<0.050	<0.300	<10.0	2,610	<b>2,610</b>	612	<b>3,220</b>	1,500
FL 13 B	6/3/2025	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,680
FL 14 @ 4'	5/15/2025	4	Excavated	<0.050	<0.300	<10.0	3,370	<b>3,370</b>	836	<b>4,210</b>	8,000
FL 14 B	6/3/2025	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,680
FL 15 @ 4'	5/15/2025	4	Excavated	<0.050	<0.300	<10.0	4,220	<b>4,220</b>	912	<b>5,130</b>	10,500
FL 15 B	6/3/2025	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,620
FL 16 @ 4'	5/15/2025	4	In-Situ	<0.050	<0.300	<10.0	341	341	95.7	437	7,440
FL 17 @ 4'	5/15/2025	4	Excavated	<0.050	<0.300	<10.0	1,360	<b>1,360</b>	299	1,660	9,200
FL 17 B	6/3/2025	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,890
FL 18 @ 4'	5/15/2025	4	In-Situ	<0.050	<0.300	<10.0	116	116	37.9	154	6,080
FL 19 @ 4'	5/15/2025	4	In-Situ	<0.050	<0.300	<10.0	329	329	89.5	419	7,200
FL 20 @ 4'	5/15/2025	4	In-Situ	<0.050	<0.300	<10.0	28.8	28.8	10.0	38.8	9,920
FL 21 @ 4'	5/15/2025	4	In-Situ	<0.050	<0.300	<10.0	164	164	44.6	209	16,400
FL 22 @ 4'	5/15/2025	4	Excavated	<0.050	<0.300	<10.0	2,370	<b>2,370</b>	532	<b>2,900</b>	11,500
FL 22 B	6/3/2025	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,340
FL 23 @ 4'	5/15/2025	4	In-Situ	<0.050	<0.300	<10.0	170	170	49.7	220	14,100
FL 24 @ 4'	5/15/2025	4	Excavated	<0.050	<0.300	<10.0	6,820	<b>6,820</b>	1,360	<b>8,180</b>	13,100
FL 24 B	6/3/2025	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,600
FL 25 @ 4'	5/15/2025	4	Excavated	<0.050	<0.300	<10.0	1,360	<b>1,360</b>	350	1,710	5,600
FL 25 B	6/3/2025	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,390
FL 26 @ 4'	5/15/2025	4	In-Situ	<0.050	<0.300	<10.0	971	971	259	1,230	5,440
FL 27 @ 4'	5/15/2025	4	Excavated	<0.050	<0.300	<10.0	3,110	<b>3,110</b>	728	<b>3,840</b>	9,800
FL 27 B	6/3/2025	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,650
FL 28 @ 4'	5/15/2025	4	Excavated	<0.050	<0.300	<10.0	6,220	<b>6,220</b>	1,250	<b>7,470</b>	9,680
FL 28 B	6/3/2025	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,410
FL 29 @ 4'	5/15/2025	4	In-Situ	<0.050	<0.300	<10.0	287	287	84.3	371	2,430
FL 30 @ 4'	5/15/2025	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,610
FL 31 @ 4'	5/15/2025	4	Excavated	<0.050	<0.300	<10.0	1,260	<b>1,260</b>	274	1,530	720
FL 31 B	6/3/2025	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 32 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	<10.0	4,920	<b>4,920</b>	969	<b>5,890</b>	3,160
FL 32 B	6/3/2025	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 33 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	<10.0	5,520	<b>5,520</b>	1,130	<b>6,650</b>	1,170
FL 33 B	6/3/2025	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL 34 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	<10.0	3,330	<b>3,330</b>	766	<b>4,100</b>	1,410
FL 34 B	6/3/2025	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 35 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	<10.0	3,010	<b>3,010</b>	786	<b>3,800</b>	1,390
FL 35 B	6/3/2025	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL 36 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	<10.0	6,470	<b>6,470</b>	1,450	<b>7,920</b>	1,940
FL 36 B	6/3/2025	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 37 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	<10.0	6,540	<b>6,540</b>	1,450	<b>7,990</b>	2,000
FL 37 B	6/3/2025	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 38 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	<10.0	5,690	<b>5,690</b>	1,230	<b>6,920</b>	1,780

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Red Border with Shading: Highest observed concentration.

<b>Table 1</b> <b>Concentrations of BTEX, TPH &amp; Chloride in Soil</b> <b>Permian Resources Operating, LLC</b> <b>Whitten SWD ROW</b> <b>NMOCD Ref. #: nAPP2429762272</b>											
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NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
FL 38 B	6/3/2025	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
FL 39 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	<10.0	7,760	7,760	1,540	9,300	1,170
FL 39 B	6/3/2025	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL 40 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	<10.0	1,760	1,760	377	2,140	7,330
FL 40 B	6/3/2025	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL 41 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	<10.0	3,970	3,970	906	4,880	2,240
FL 41 B	6/3/2025	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 42 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	<10.0	1,450	1,450	400	1,850	3,360
FL 42 B	6/3/2025	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 43 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	<10.0	6,700	6,700	1,540	8,240	2,030
FL 43 B	6/3/2025	6	In-Situ	<0.050	<0.300	<10.0	32.6	32.6	<10.0	32.6	6,660
FL 44 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	10.6	7,710	7,720	1,200	8,920	1,760
FL 44 B	6/3/2025	6	In-Situ	<0.050	<0.300	<10.0	308	308	70.4	378	4,080
FL 45 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	<10.0	6,780	6,780	1,220	8,000	1,920
FL 45 B	6/3/2025	6	In-Situ	<0.050	<0.300	<10.0	41.4	41.4	<10.0	41.4	5,100
FL 46 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	<10.0	3,790	3,790	946	4,740	1,980
FL 46 B	6/3/2025	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 47 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	277	277	77.4	354	1,730
FL 48 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	144	144	39.6	184	6,320
FL 49 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	510	510	130	640	4,440
FL 50 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	11.3	3,250	3,260	585	3,850	5,600
FL 50 B	6/3/2025	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FL 51 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	640	640	183	823	5,360
FL 52 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,440
FL 53 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	<10.0	1,180	1,180	258	1,440	11,700
FL 53 B	6/3/2025	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	544
FL 54 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	199	199	43.2	242	6,000
FL 55 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	317	317	55.8	373	8,080
FL 56 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	<10.0	1,160	1,160	198	1,360	3,040
FL 56 B	6/3/2025	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	432
FL 57 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	<10.0	2,250	2,250	310	2,560	1,740
FL 57 B	6/3/2025	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	480
FL 58 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	16.3	16.3	<10.0	16.3	4,160
FL 59 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	25.6	25.6	<10.0	25.6	14,300
FL 60 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,380
FL 61 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,040
FL 62 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,040
FL 63 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	864	864	127	991	2,800
FL 64 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,060
FL 65 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	56.6	56.6	<10.0	56.6	656
FL 66 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	25.4	25.4	<10.0	25.4	8,530
FL 67 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	234	234	36.5	271	3,680
FL 68 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	675	675	103	778	3,680
FL 69 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	543	543	101	644	2,120

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Red Border with Shading: Highest observed concentration.

<b>Table 1</b> <b>Concentrations of BTEX, TPH &amp; Chloride in Soil</b> <b>Permian Resources Operating, LLC</b> <b>Whitten SWD ROW</b> <b>NMOCD Ref. #: nAPP2429762272</b>											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
FL 70 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	<10.0	3,140	<b>3,140</b>	484	<b>3,620</b>	2,120
FL 70 B	6/3/2025	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	576
FL 71 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	443	443	72.3	515	7,120
FL 72 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	298	298	56.7	355	4,000
FL 73 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	623	623	87.8	711	4,800
FL 74 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	791	791	127	918	3,920
FL 75 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	61.4	61.4	<10.0	61.4	4,720
FL 76 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	29.7	29.7	<10.0	29.7	6,080
FL 77 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,320
FL 78 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,140
FL 79 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,080
FL 80 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,170
FL 81 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	201	201	56.5	258	2,240
FL 82 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	290	290	67.7	358	3,080
FL 83 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	<10.0	1,240	<b>1,240</b>	320	1,560	6,960
FL 83 B	6/3/2025	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	544
FL 84 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	<10.0	1,270	<b>1,270</b>	301	1,570	3,600
FL 84 B	6/3/2025	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	560
FL 85 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	14.3	4,040	<b>4,050</b>	811	<b>4,870</b>	6,560
FL 85 B	6/3/2025	5.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	544
FL 86 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	<10.0	2,590	<b>2,590</b>	636	<b>3,230</b>	6,880
FL 86 B	6/3/2025	5.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	480
FL 87 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	957	957	248	1,210	7,280
FL 88 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	27.9	7,100	<b>7,130</b>	1,180	<b>8,310</b>	3,840
FL 88 B	6/3/2025	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	560
FL 89 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	18.4	3,740	<b>3,760</b>	706	<b>4,460</b>	5,080
FL 89 B	6/3/2025	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	576
FL 90 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	411	411	109	520	1,170
FL 91 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	<10.0	2,760	<b>2,760</b>	599	<b>3,360</b>	1,580
FL 91 B	6/3/2025	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	576
FL 92 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	<10.0	3,420	<b>3,420</b>	676	<b>4,100</b>	2,300
FL 92 B	6/3/2025	5.5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,310
FL 93 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	<10.0	1,160	<b>1,160</b>	294	1,450	1,660
FL 93 B	6/3/2025	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,090
FL 94 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	948	948	230	1,180	1,280
FL 95 @ 4'	5/19/2025	4	Excavated	<0.050	<0.300	<10.0	2,080	<b>2,080</b>	379	2,460	1,060
FL 95 B	6/3/2025	5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,600
FL 96 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,560
FL 97 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,160
FL 98 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,040
FL 99 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,780
FL 100 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,680
FL 101 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,600
FL 102 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,240

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Red Border with Shading: Highest observed concentration.

<b>Table 1</b> <b>Concentrations of BTEX, TPH &amp; Chloride in Soil</b> <b>Permian Resources Operating, LLC</b> <b>Whitten SWD ROW</b> <b>NMOCD Ref. #: nAPP2429762272</b>											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
FL 103 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,120
FL 104 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	277	277	52.4	329	8,080
FL 105 @ 4'	5/19/2025	4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,760
W 1	5/15/2025	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
W 2	5/15/2025	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	448
W 3	5/15/2025	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
W 4	5/15/2025	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
W 5	5/15/2025	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	480
W 6	5/15/2025	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
W 7	5/15/2025	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
W 8	5/15/2025	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
W 9	5/15/2025	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
W 10	5/15/2025	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
W 11	5/15/2025	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
W 12	5/15/2025	0-5	Excavated	<0.050	<0.300	<10.0	710	710	116	826	848
W 12 B	6/4/2025	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
W 13	5/15/2025	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
W 14	5/15/2025	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
W 15	5/15/2025	0-4	Excavated	<0.050	<0.300	<10.0	1,640	1,640	286	1,930	384
W 15 B	6/4/2025	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
W 16	5/15/2025	0-4	In-Situ	<0.050	<0.300	<10.0	17.7	17.7	<10.0	17.7	272
W 17	5/15/2025	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
W 18	5/15/2025	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
W 19	5/15/2025	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
W 20	5/15/2025	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
W 21	5/15/2025	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
W 22	5/15/2025	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
W 23	5/15/2025	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
W 24	5/15/2025	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
W 25	5/15/2025	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
W 26	5/15/2025	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
W 27	5/15/2025	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
W 28	5/15/2025	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
W 29	5/15/2025	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
W 30	5/15/2025	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
W 31	5/15/2025	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
W 32	5/15/2025	0-4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	624
W 32 B	6/4/2025	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
W 33	5/15/2025	0-5	Excavated	<0.050	<0.300	<10.0	71.3	71.3	23.8	95.1	976
W 33 B	6/4/2025	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
W 34	5/15/2025	0-5	Excavated	<0.050	<0.300	<10.0	506	506	107	613	1,180
W 34 B	6/4/2025	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
W 35	5/15/2025	0-5	Excavated	<0.050	<0.300	31.7	2,540	2,570	470	3,040	2,920
W 35 B	6/4/2025	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Red Border with Shading: Highest observed concentration.

<b>Table 1</b> <b>Concentrations of BTEX, TPH &amp; Chloride in Soil</b> <b>Permian Resources Operating, LLC</b> <b>Whitten SWD ROW</b> <b>NMOCD Ref. #: nAPP2429762272</b>											
NMOCD Closure Criteria				10	50	N/A	N/A	1,000	N/A	2,500	20,000
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
W 36	5/15/2025	0-5	In-Situ	<0.050	<0.300	<10.0	23.6	23.6	23.7	47.3	432
W 37	5/15/2025	0-5	Excavated	<0.050	<0.300	<10.0	135	135	44.0	179	912
W 37 B	6/4/2025	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
W 38	5/15/2025	0-5	In-Situ	<0.050	<0.300	<10.0	12.9	12.9	10.1	23.0	160
W 39	5/15/2025	0-5	In-Situ	<0.050	<0.300	<10.0	56.1	56.1	18.1	74.2	496
W 40	5/15/2025	0-5	Excavated	<0.050	<0.300	<10.0	395	395	94.4	489	592
W 40 B	6/4/2025	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
W 41	5/15/2025	0-5	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
W 42	5/15/2025	0-4	Excavated	<0.050	<0.300	32.5	2,040	2,070	399	2,470	656
W 42 B	6/4/2025	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
W 43	5/19/2025	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
W 44	5/19/2025	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
W 45	5/19/2025	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
W 46	5/19/2025	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
W 47	5/19/2025	0-4	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	288
Backfill Sample											
Smith Ranch Pit	7/3/2025	N/A	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0

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

Bold: NMOCD Closure Criteria exceedance.

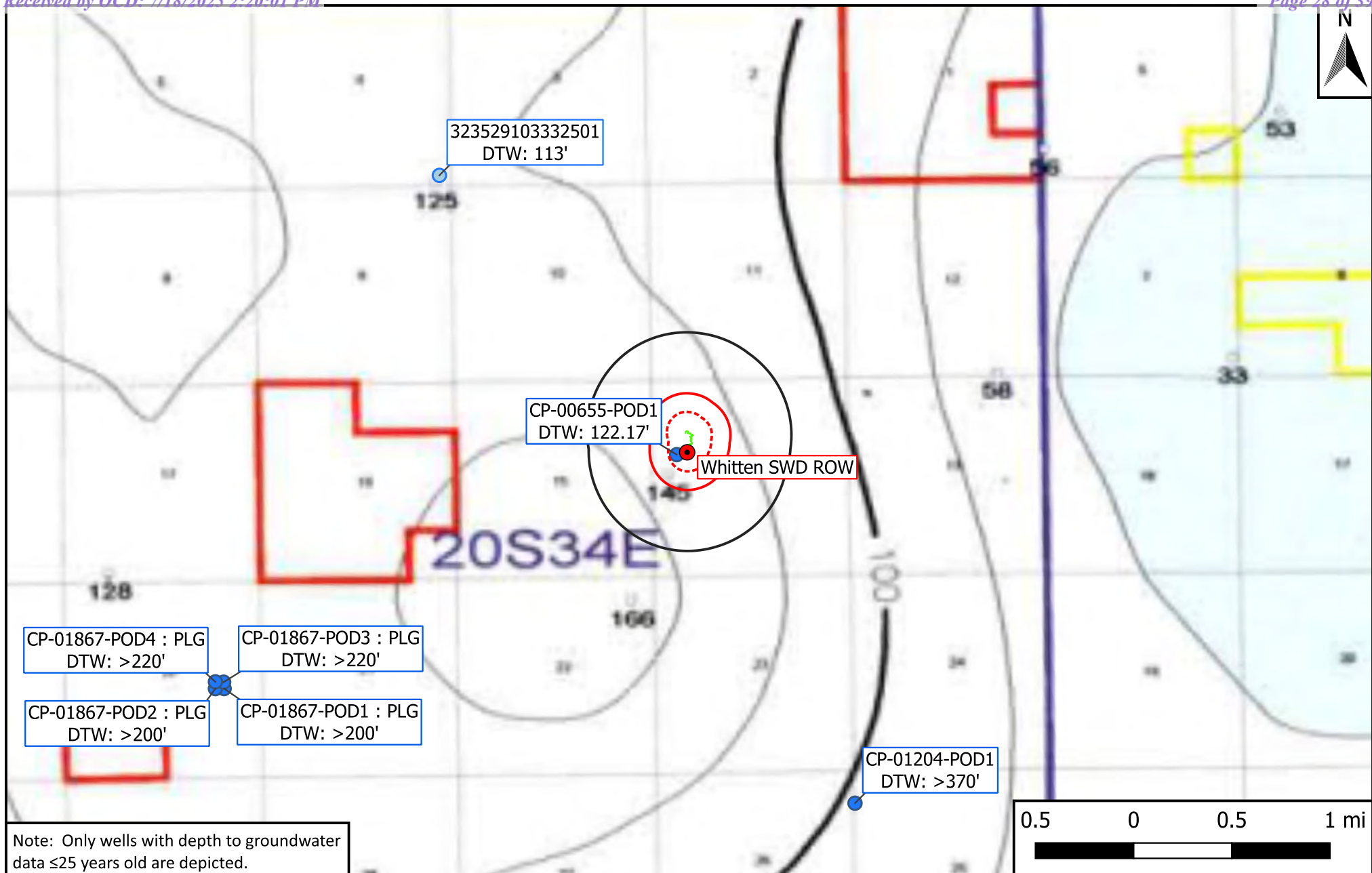
Red: NMOCD Reclamation Standard exceedance.

Red Border with Shading: Highest observed concentration.

## **Appendix A**

### **Depth to Groundwater Information**



**Legend**

- Site Location
- Well - Exploratory
- Well - NMOSE
- Well - USGS
- Affected Area
- 500-Ft Radius
- 1,000-Ft Radius
- 0.5-Mi Radius

**Figure 5**

Inferred Depth to Groundwater Map  
Permian Resources  
Whitten SWD ROW  
GPS: 32.574814, -103.536446  
Lea County, New Mexico



Drafted: bja

Checked: jwl


Date: 4/30/25



# 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 00655 POD1		SW	NW	14	20S	34E	637294.0	3605108.0 *	

\* UTM location was derived from PLSS - see Help

Driller License:	122	Driller Company:	UNKNOWN
Driller Name:			
Drill Start Date:		Drill Finish Date:	Plug Date:
Log File Date:		PCW Rcv Date:	Source: Shallow
Pump Type:		Pipe Discharge Size:	Estimated Yield: 7
Casing Size:	6.00	Depth Well:	210
		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.



## Groundwater Sampling Log

Project No. 21343  
 Site Location 32.57508,-103.536420  
 Weather Sunny/clear

Date 10/23/24  
 Well ID CP 00655 POD1 / 323409103321301  
 Sample Collection Time N/A

### Casing

Diameter	Gal/ft	L/ft
<input checked="" type="checkbox"/> 10	4.08	15.44
<input type="checkbox"/> 4	.653	2.47
<input type="checkbox"/> 3	.367	1.39
<input type="checkbox"/> 2	.163	.618
<input type="checkbox"/> 1	.041	.154
<input type="checkbox"/> ¾	.023	.087

### Evacuation Data

Screen Length (ft bls)	<u>N/A</u>
Well Length (ft bTOC)	<u>122.92</u>
Depth to water (ft bTOC)	<u>122.17</u>
Water column length (ft)	<u>0.75</u>
Well Volume	<u>501.5 Gal</u>
Evacuation Volume (x )	<u>N/A</u>

### Sample Method

☐ Peristaltic  
☐ Bladder  
☐ Bailer  
☐ Monsoon  
☐ Grundfos  
☐ Monsoon  
☐ PDB

### Purge Device

☐ Dedicated  
☐ Disposable  
☐ Decontaminated

### QA/QC Samples

☐ Duplicate  
☐ MS/MSD  
☐ Equipment Blank  
☐ Field Blank

### Sample ID for QA/QC

N/A  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

### Field Parameters

Time	Purge (ml)	Temp (°C)	pH (SU)	DO (mg/L)	Cond. (µmhos/cm)	Turb. (NTU)	Redox (mV)	Flow (mL/min)	Drawdown (ft)
N/A									

### Laboratory Analyses

Analytical Parameter	Method	No. Bottles	Bottle Size/Type	Preservative
<input type="checkbox"/> N/A				
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				

Notes: Well was measured for depth to groundwater only. No groundwater samples were collected.

Sampling Personnel: Robbie Runnels

IMPORTANT — READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM.

108440  
6

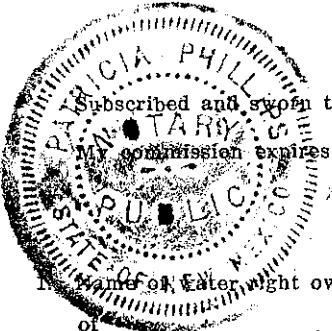
# Declaration of Owner of Underground Water Right

CAPITAN BASIN

Declaration No. CP-655 Book \_\_\_\_\_ Date received November 17, 1982

I, Mark Smith being first duly sworn upon my oath, depose and say that the following is a full and complete statement prepared in accordance with the instructions on the reverse side of this form and submitted in evidence of ownership of a valid underground water right, that I have carefully read each and all of the items contained therein and that the same are true to the best of my knowledge and belief.

Mark Smith, declarant.



Subscribed and sworn to before me this 16 day of November, A.D. 1982  
Patricia Phillips  
Notary Public

## STATEMENT

1. Name of water right owner MARK SMITH  
of Box 1296, Lovington, NM 88260

County of Lea, State of NEW MEXICO

2. Source of water supply Shallow  
(state whether artesian or shallow water basin)  
located in Capitan Basin  
(name of underground stream, valley, artesian basin, etc.)

3. The well is located in the SW 1/4, NW 1/4, \_\_\_\_\_  
of section 14, Township 20 South, Range 34 East, N.M.P.M.  
on land owned by APPLICANT

4. Description of well: date drilled 1940 driller \_\_\_\_\_ depth 210 feet.  
diameter (outside) of casing 6 inches; original flow \_\_\_\_\_ gal. per min.;  
present flow \_\_\_\_\_ gal. per min.; maximum pumping lift \_\_\_\_\_ feet;  
make and type of pump Wind Mill

make, type, horsepower, etc., of power plant AER MOTOR

Fractional or percentage interest claimed in well 100 %

5. Quantity of water appropriated and beneficially used 2 Acre Feet  
(feet depth or acre feet per acre)  
for \_\_\_\_\_ purposes.

6. Acreage actually irrigated and with water right NONE acres,  
located and described as follows (describe only lands actually irrigated):

Subdivision	Sec.	Twp.	Range	Acres Irrigated	Owner

(Note: location of well and acreage actually irrigated must be shown on plat on reverse side.)

7. Water was first applied to beneficial use 1940 and since that time has been used fully and continuously on all of the above described lands or for the above described purposes except as follows: \_\_\_\_\_

8. Additional statements or explanations POD Renumbered  
From: CP-655  
To: CP-655 pod 1

UNDER NEW MEXICO LAW A DECLARATION IS ONLY A STATEMENT OF DECLARANT'S CLAIM. ACCEPTANCE FOR FILING DOES NOT CONSTITUTE APPROVAL OR REJECTION OF THE CLAIM.

02 NOV 22 PM 10 30

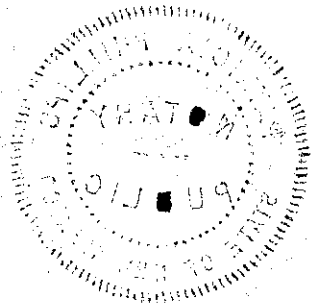
STATE ENGINEER  
SANTA FE, N.M.

STATE ENGINEER  
ROSCHELL, NM

546889

Locate well and areas actually irrigated as accurately as possible on following plat:

Section (s) \_\_\_\_\_, Township \_\_\_\_\_, Range \_\_\_\_\_ N. M. P. M.

INSTRUCTIONS

Declaration shall be executed (preferably typewritten) in triplicate and must be accompanied by a \$1.00 filing fee. Each of triplicate copies must be properly signed and attested.

A separate declaration must be filed for each well in use.

All blanks shall be filled out fully. Required information which cannot be sworn to by declarant shall be supplied by affidavit of person or persons familiar with the facts and shall be submitted herewith.

Secs. 1-3. Complete all blanks.

Sec. 4. Fill out all blanks applicable as fully as possible.

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

Sec. 6. Describe only the acreage actually irrigated. When necessary to clearly define irrigated acreages, describe to nearest 2½ acre subdivision. If located 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. Explain and give dates as nearly as possible of any years when all or part of acreage claimed was not irrigated.

Sec. 8. If well irrigates or supplies supplemental water to any other land than that described above, or if land is also irrigated from any other source, explain under this section. Give any other data necessary to fully describe water right.

If additional space is necessary, use a separate sheet or sheets and attach securely hereto.

7/18/2025 2:20:01 PM

Files: CP-653; CP-654; CP-655; CP-656;  
CP-657; CP-658

Mark Smith  
Box 1296  
Lovington, NM 88260

Dear Sir:

Enclosed are your copies of Declarations of Owner of Underground Water Right as numbered above, which have been filed for record in the office of the State Engineer.

Please refer to each individual number in all future correspondence concerning these declarations.

The filing of these declarations does not indicate affirmation or rejection of the statements contained therein.

Yours very truly,

Frank Bradley  
Basin Supervisor

FB/fh  
Encls.  
cc: Santa Fe



USGS Home  
Contact USGS  
Search USGS

National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category:  
Groundwater

Geographic Area:  
United States

GO

- Click for

News Bulletins
- Groundwater levels for the Nation
- Important:

[Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs  
site\_no list =

- 323409103321301

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

USGS 323409103321301 20S.34E.14.13343

Lea County, New Mexico  
Latitude 32°34'24", Longitude 103°32'18" NAD27  
Land-surface elevation 3,648.00 feet above NGVD29  
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

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source of measurement	Water-level approval status
			72019								
1968-03-21		D	72019	152.84			1	Z			A
1971-02-03		D	72019	152.00			1	Z			A
1972-10-02		D	72019	190.22			P	Z			A
1976-02-20		D	72019	155.03			1	Z			A
1981-02-26		D	72019	155.36			P	Z			A

Date	Time	Water-level date-time accuracy	Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	Status	Method of measurement	Measuring agency	Source of measurement	Water-level approval status
1986-04-01		D	72019	152.01			1	Z			A
1996-02-02		D	72019	145.20			1	S			A

Explanation

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

[Questions or Comments](#)  
[Help](#)  
[Data Tips](#)  
[Explanation of terms](#)  
[Subscribe for system changes](#)



## **Appendix B**

### **Field Data**



## Sample Log

Date: \_\_\_\_\_

Project: Whitlen SWD Row

Project Number: \_\_\_\_\_ Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

Sample ID	PID/Odor	Chloride Conc.	GPS
BC1@Sur <1.0		<1/6	
BC2@Sur <1.0		<1/6	
BC3@Sur <1.0		<1/6	
BC4@Sur <1.0		<1/6	
TT1@4' 7.6H mild		12.372 6078 2/1	
TT1@6' 7.4H mild		11.376 8946 2/1	
TT1@8' 8.6H		10.002 2/1	
TT2@4' 8.8H mild		11.264 2/1	
TT2@6' 8.2H mild		8.118 2/1	
TT3@4' 8.4H mild		8.946 2/1	
TT3@6' 8.6H mild		10.002 2/1	
TT4@4' 6.6H light		4.134 2/1	
TT4@6' 7.0H light		4.838 2/1	
SH2@4' <1.0 NONE		<1/6	
SH2@6' <1.0 NONE		<1/6	
NH1@4' <1.0 NONE		<1/6	
NH1@6' 1.2 NONE		<1/6	
NH2@4' 3.0		4/2	
NH2@6' <1.0		<1/6	
WH3@4' <1.0		<1/6	
WH3@6' <1.0		<1/6	
WH2@4' 1.4		1/6	
WH2@6' 1.2		<1/6	
WH3@4' <1.0		<1/6	
WH3@6' <1.0		<1/6	
FH1@4' <1.0		<1/6	
FH1@6' <1.0		<1/6	
FH2@4' 1.2		<1/6	
FH2@6' 1.0		<1/6	
FH3@4' <1.0		<1/6	
FH3@6' <1.0		<1/6	
SH1@4' 4.0		656	
SH1@6' 3.0		4/2	

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
W1	1.4	116	
W2	3.0	352	
W3	3.2	396	
W4	1.2	<116	
W5	3.2	396	
W6	1.2	<116	
W7	1.8	144	
W8	1.0	<116	
W9	1.2	<116	
W10	1.0	<116	
W11	1.8	144	
W12	7.8	2340	
W13	1.0	<116	
W14	2.0	172	
W15	2.8	312	
W16	2.4	240	
W17	<1.0	<116	
W18	1.0	<116	
W19	<1.0	<116	
W20	<1.0	<116	
W21	<1.0	<116	
W22	2.6	276	
W23	1.2	<116	
W24	1.0	<116	
W25	1.4	116	
W26	1.2	<116	
W27	1.2	<116	
W28	1.0	<116	
W29	1.4	116	
W30	1.4	116	
W31	1.0	<116	
W32	3.4	440	
W33	5.0 mild	896	
W34	6.0 mild	1280	
W35	6.8 mild	1672	
W36	3.6 mild	488	

Sample Point = SP #1 @ ## etc

Test Trench = TT #1 @ ##

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

Floor = FL #1 etc

Refusal = SP #1 @ 4'-R

Stockpile = Stockpile #1

Sidewall = SW #1 etc

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

GPS Sample Points, Center of Comp Areas

## Sample Log

Date: \_\_\_\_\_

Project:

Project Number: Latitude: Longitude:

[illegible]

**Sample Point = SP #1 @ ## etc**

**Floor = FL #1 etc**

**Sidewall = SW #1 etc**

Test Trench = TT #1 @ ##

**Refusal = SP #1 @ 4'-R**

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

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

**Stockpile = Stockpile #1**


### GPS Sample Points, Center of Comp Areas


## **Appendix C**

### **Photographic Log**




## Photographic Log


<b>Photo Number:</b> 1	
<b>Photo Direction:</b> Overhead/Bird's Eye	
<b>Date:</b> 10/23/2024	
<b>Coordinates:</b> 32.575731,-103.536069	
<b>Photo Description:</b>  Aerial view of the affected area.	

<b>Photo Number:</b> 2	
<b>Photo Direction:</b> Northwest	
<b>Date:</b> 10/23/2024	
<b>Coordinates:</b> 32.575570,-103.535315	
<b>Photo Description:</b>  Aerial view of the affected area.	



## Photographic Log

<b>Photo Number:</b> 3	
<b>Photo Direction:</b> North-Northeast	
<b>Date:</b> 10/23/2024	
<b>Coordinates:</b> 32.574910,-103.536400	
<b>Photo Description:</b>  Aerial view of the affected area.	

<b>Photo Number:</b> 4	
<b>Photo Direction:</b> Overhead/Bird's Eye	
<b>Date:</b> 10/23/2024	
<b>Coordinates:</b> 32.576073,-103.536421	
<b>Photo Description:</b>  Aerial view of the affected area.	




## Photographic Log

<b>Photo Number:</b> 5	
<b>Photo Direction:</b> North	
<b>Photo Description:</b>  View of the excavated area.	

Permian Resources  
Whitten SWD ROW  
05.21.2025 10:38 AM  
32.57503, -103.53617  
Unnamed Road, Hobbs, NM 88240

N


<b>Photo Number:</b> 6	
<b>Photo Direction:</b> Northeast	
<b>Photo Description:</b>  View of the excavated area.	


Permian Resources  
Whitten SWD ROW  
05.21.2025 10:39 AM  
32.57510, -103.53642  
Unnamed Road, Hobbs, NM 88240

NE





## Photographic Log

<b>Photo Number:</b> 7	
<b>Photo Direction:</b> Northeast	
<b>Photo Description:</b>  View of the excavated area.	

<b>Photo Number:</b> 8	
<b>Photo Direction:</b> South	
<b>Photo Description:</b>  View of the excavated area.	


## Photographic Log


<b>Photo Number:</b> 9	 <p>Permian Resources Whitten SWD ROW 05.21.2025 10:41 AM 32.57588, -103.53624 Oil Center, NM 88240</p> <p>NE</p>
<b>Photo Direction:</b> Northeast	
<b>Photo Description:</b>  View of the excavated area.	

<b>Photo Number:</b> 10	 <p>Permian Resources Whitten SWD ROW 05.21.2025 10:42 AM 32.57608, -103.53619 Oil Center, NM 88240</p> <p>SE</p>
<b>Photo Direction:</b> Southeast	
<b>Photo Description:</b>  View of the excavated area.	



## Photographic Log

<b>Photo Number:</b> 11	
<b>Photo Direction:</b> Northeast	
<b>Photo Description:</b>  View of the excavated area.	

<b>Photo Number:</b> 12	
<b>Photo Direction:</b> West	
<b>Photo Description:</b>  View of the excavated area.	

## Photographic Log

<b>Photo Number:</b> 13	
<b>Photo Direction:</b> Southeast	
<b>Photo Description:</b>  View of the excavated area.	

Permian Resources  
Whitten SWD ROW  
05/21/2025 10:44 AM  
32.57664, -103.53647  
Unnamed Road, Hobbs, NM 88240

SE

<b>Photo Number:</b> 14	
<b>Photo Direction:</b> West	
<b>Photo Description:</b>  View of the remediated area following backfill and regrading.	


Jun 13, 2025 at 9:47:49 AM  
+32.576301, -103.536259  
278° W  
Eunice NM 88231  
United States






## Photographic Log

<b>Photo Number:</b> 15	
<b>Photo Direction:</b> Northwest	
<b>Photo Description:</b>  View of the remediated area following backfill and regrading.	

<b>Photo Number:</b> 16	
<b>Photo Direction:</b> West	
<b>Photo Description:</b>  View of the remediated area following backfill and regrading.	




## Photographic Log


<b>Photo Number:</b> 17	
<b>Photo Direction:</b> West-Northwest	
<b>Photo Description:</b>  View of the remediated area following backfill and regrading.	

<b>Photo Number:</b> 18	
<b>Photo Direction:</b> West-Northwest	
<b>Photo Description:</b>  View of the remediated area following backfill and regrading.	




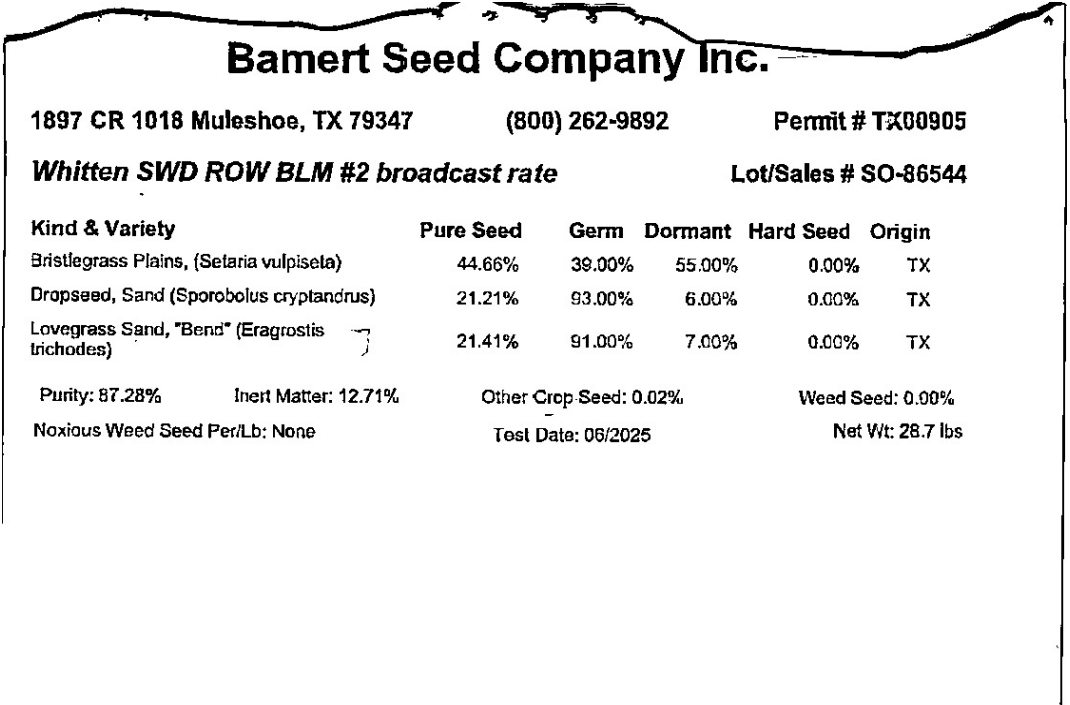
## Photographic Log

<b>Photo Number:</b> 19	
<b>Photo Direction:</b> North	
<b>Photo Description:</b>  View of the remediated area following backfill and regrading.	

<b>Photo Number:</b> 20	
<b>Photo Direction:</b> South-Southwest	
<b>Photo Description:</b>  View of the remediated area following seeding event.	

## Photographic Log

<b>Photo Number:</b> 21	 <p>Network: Jul 8, 2025 at 8:32:37 AM MDT  Local: Jul 8, 2025 at 8:32:37 AM MDT  N 32° 34' 36.247", W 103° 32' 11.643"  Eunice NM 88231  United States</p>
<b>Photo Direction:</b> Southeast	
<b>Photo Description:</b>  View of the remediated area following seeding event.	

<b>Photo Number:</b> 22	 <p><b>Bamert Seed Company Inc.</b>  1897 CR 1018 Muleshoe, TX 79347 (800) 262-9892 Permit # TX00905  Whitten SWD ROW BLM #2 broadcast rate Lot/Sales # SO-86544</p> <table border="1"> <thead> <tr> <th>Kind &amp; Variety</th> <th>Pure Seed</th> <th>Germ</th> <th>Dormant</th> <th>Hard Seed</th> <th>Origin</th> </tr> </thead> <tbody> <tr> <td>Bristlegrass Plains, (Setaria vulpiseta)</td> <td>44.66%</td> <td>39.00%</td> <td>55.00%</td> <td>0.00%</td> <td>TX</td> </tr> <tr> <td>Dropseed, Sand (Sporobolus cryptandrus)</td> <td>21.21%</td> <td>93.00%</td> <td>6.00%</td> <td>0.00%</td> <td>TX</td> </tr> <tr> <td>Lovegrass Sand, "Bend" (Eragrostis trichodes)</td> <td>21.41%</td> <td>91.00%</td> <td>7.00%</td> <td>0.00%</td> <td>TX</td> </tr> </tbody> </table> <p>Purity: 87.28% Inert Matter: 12.71% Other Crop Seed: 0.02% Weed Seed: 0.00%  Noxious Weed Seed Per/Lb: None Test Date: 06/2025 Net Wt: 28.7 lbs</p>	Kind & Variety	Pure Seed	Germ	Dormant	Hard Seed	Origin	Bristlegrass Plains, (Setaria vulpiseta)	44.66%	39.00%	55.00%	0.00%	TX	Dropseed, Sand (Sporobolus cryptandrus)	21.21%	93.00%	6.00%	0.00%	TX	Lovegrass Sand, "Bend" (Eragrostis trichodes)	21.41%	91.00%	7.00%	0.00%	TX
Kind & Variety		Pure Seed	Germ	Dormant	Hard Seed	Origin																			
Bristlegrass Plains, (Setaria vulpiseta)		44.66%	39.00%	55.00%	0.00%	TX																			
Dropseed, Sand (Sporobolus cryptandrus)	21.21%	93.00%	6.00%	0.00%	TX																				
Lovegrass Sand, "Bend" (Eragrostis trichodes)	21.41%	91.00%	7.00%	0.00%	TX																				
<b>Photo Direction:</b> N/A																									
<b>Photo Description:</b>  Seed tag.																									



## **Appendix D**

### **Laboratory Analytical Reports**



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

---

March 18, 2025

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: WHITTEN SWD ROW

Enclosed are the results of analyses for samples received by the laboratory on 03/12/25 14:55.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 03/12/2025  
 Reported: 03/18/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.57508, -103.53642

Sampling Date: 03/11/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: TT 1 @ 2' (H251472-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9460	16.0	03/13/2025	ND	448	112	400	7.41	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2025	ND	203	101	200	2.57	
DRO >C10-C28*	<10.0	10.0	03/13/2025	ND	200	100	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	03/13/2025	ND					
Surrogate: 1-Chlorooctane		94.3 %	44.4-145						
Surrogate: 1-Chlorooctadecane		90.6 %	40.6-153						

**Sample ID: TT 1 @ 4' (H251472-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11000	16.0	03/13/2025	ND	448	112	400	7.41	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2025	ND	203	101	200	2.57	
DRO >C10-C28*	<10.0	10.0	03/13/2025	ND	200	100	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	03/13/2025	ND					
Surrogate: 1-Chlorooctane		93.1 %	44.4-145						
Surrogate: 1-Chlorooctadecane		91.1 %	40.6-153						

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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: 03/12/2025  
 Reported: 03/18/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.57508, -103.53642

Sampling Date: 03/11/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: TT 2 @ 2' (H251472-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10900	16.0	03/13/2025	ND	448	112	400	7.41	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2025	ND	203	101	200	2.57	
DRO >C10-C28*	<10.0	10.0	03/13/2025	ND	200	100	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	03/13/2025	ND					
Surrogate: 1-Chlorooctane		100 %	44.4-145						
Surrogate: 1-Chlorooctadecane		95.4 %	40.6-153						

**Sample ID: TT 2 @ 4' (H251472-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14600	16.0	03/13/2025	ND	448	112	400	7.41	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2025	ND	203	101	200	2.57	
DRO >C10-C28*	<10.0	10.0	03/13/2025	ND	200	100	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	03/13/2025	ND					
Surrogate: 1-Chlorooctane	98.2 %	44.4-145							
Surrogate: 1-Chlorooctadecane	94.6 %	40.6-153							

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 03/12/2025  
 Reported: 03/18/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.57508, -103.53642

Sampling Date: 03/11/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: TT 3 @ 2' (H251472-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9730	16.0	03/13/2025	ND	448	112	400	7.41	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2025	ND	203	101	200	2.57	
DRO >C10-C28*	<10.0	10.0	03/13/2025	ND	200	100	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	03/13/2025	ND					
Surrogate: 1-Chlorooctane	92.6 %	44.4-145							
Surrogate: 1-Chlorooctadecane	89.7 %	40.6-153							

**Sample ID: TT 3 @ 4' (H251472-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10000	16.0	03/13/2025	ND	448	112	400	7.41	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2025	ND	203	101	200	2.57	
DRO >C10-C28*	<10.0	10.0	03/13/2025	ND	200	100	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	03/13/2025	ND					
Surrogate: 1-Chlorooctane	94.8 %	44.4-145							
Surrogate: 1-Chlorooctadecane	89.7 %	40.6-153							

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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: 03/12/2025  
 Reported: 03/18/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.57508, -103.53642

Sampling Date: 03/11/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: TT 4 @ 2' (H251472-07)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	03/13/2025	ND	448	112	400	7.41	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2025	ND	203	101	200	2.57	
DRO >C10-C28*	<10.0	10.0	03/13/2025	ND	200	100	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	03/13/2025	ND					
Surrogate: 1-Chlorooctane	91.3 %	44.4-145							
Surrogate: 1-Chlorooctadecane	87.2 %	40.6-153							

**Sample ID: TT 4 @ 4' (H251472-08)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	03/13/2025	ND	448	112	400	7.41	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/13/2025	ND	203	101	200	2.57	
DRO >C10-C28*	<10.0	10.0	03/13/2025	ND	200	100	200	2.18	
EXT DRO >C28-C36	<10.0	10.0	03/13/2025	ND					
Surrogate: 1-Chlorooctane	96.9 %	44.4-145							
Surrogate: 1-Chlorooctadecane	91.0 %	40.6-153							

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Celey D. Keene, Lab Director/Quality Manager



---

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### Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager





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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name: Etech Environmental & Safety Solutions, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																				
Project Manager: Joel Lowry				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																				
Address: 2617 West Marland				Company: Permian Resources																								
City: Hobbs		State: NM		Zip: 88240		Attn: Matt Taylor																						
Phone #: (575) 264-9884		Fax #:		Address:		City:																						
Project #: <del>24786</del> 21343		Project Owner: Permian Resources		State:		Zip:																						
Project Name: <del>Testada 7 State Com 302</del> Whitten SWD ROW				Phone #:																								
Project Location: <del>32-411022, 103-402427</del> 32.57508, -103.53642				Fax #:																								
Sampler Name: Addison Elston																												
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																				
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME														
H251472																												
1	TT 1 @ 2'	G	1			X				X			3/11/25		X	X												
2	TT 1 @ 4'	G	1			X				X			3/11/25		X	X												
3	TT 2 @ 2'	G	1			X				X			3/11/25		X	X												
4	TT 2 @ 4'	G	1			X				X			3/11/25		X	X												
5	TT 3 @ 2'	G	1			X				X			3/11/25		X	X												
6	TT 3 @ 4'	G	1			X				X			3/11/25		X	X												
7	TT 4 @ 2'	G	1			X				X			3/11/25		X	X												
8	TT 4 @ 4'	G	1			X				X			3/11/25		X	X												

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Relinquished By:	Date: 3-12-25	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 1455		All Results are emailed. Please provide Email address: pm@etechnv.com	
Relinquished By:	Date:	Received By:	REMARKS: Project #, name & location corrected per customer. See Email. Glad Rigney 31325	
	Time:			
Delivered By: (Circle One)	Observed Temp. °C -4.7	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) AD	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C -4.4			Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C
				Thermometer ID #140 Correction Factor -0.5°C to -0.2°C





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---

March 20, 2025

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: WHITTEN SWD ROW

Enclosed are the results of analyses for samples received by the laboratory on 03/14/25 15:48.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 03/14/2025  
 Reported: 03/20/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.57508, -103.53642

Sampling Date: 03/12/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NH 1 @ 2' (H251539-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2025	ND	1.96	98.2	2.00	0.409	
Toluene*	<0.050	0.050	03/18/2025	ND	2.03	102	2.00	0.732	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	1.98	99.1	2.00	0.806	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	5.78	96.3	6.00	0.610	
Total BTX	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 86.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/18/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2025	ND	209	104	200	1.18	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	190	94.9	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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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: 03/14/2025  
 Reported: 03/20/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.57508, -103.53642

Sampling Date: 03/12/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NH 2 @ 2' (H251539-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	1.96	98.2	2.00	0.409		
Toluene*	<0.050	0.050	03/18/2025	ND	2.03	102	2.00	0.732		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	1.98	99.1	2.00	0.806		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	5.78	96.3	6.00	0.610		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/18/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2025	ND	209	104	200	1.18	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	190	94.9	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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**Analytical Results For:**

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

Received: 03/14/2025  
 Reported: 03/20/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.57508, -103.53642

Sampling Date: 03/12/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EH 1 @ 2' (H251539-03)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2025	ND	2.15	107	2.00	3.28	
Toluene*	<0.050	0.050	03/17/2025	ND	2.34	117	2.00	4.41	
Ethylbenzene*	<0.050	0.050	03/17/2025	ND	2.56	128	2.00	2.89	QM-07
Total Xylenes*	<0.150	0.150	03/17/2025	ND	7.86	131	6.00	2.73	QM-07
Total BTEX	<0.300	0.300	03/17/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/18/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2025	ND	209	104	200	1.18	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	190	94.9	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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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: 03/14/2025  
 Reported: 03/20/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.57508, -103.53642

Sampling Date: 03/12/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EH 2 @ 2' (H251539-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.15	107	2.00	3.28		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	4.41		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.56	128	2.00	2.89		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.86	131	6.00	2.73		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2025	ND	209	104	200	1.18	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	190	94.9	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 03/14/2025  
 Reported: 03/20/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.57508, -103.53642

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EH 3 @ 2' (H251539-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.15	107	2.00	3.28		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	4.41		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.56	128	2.00	2.89		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.86	131	6.00	2.73		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/18/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2025	ND	209	104	200	1.18	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	190	94.9	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 03/14/2025  
 Reported: 03/20/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.57508, -103.53642

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SH 1 @ 2' (H251539-06)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2025	ND	2.15	107	2.00	3.28	
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	4.41	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.56	128	2.00	2.89	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.86	131	6.00	2.73	
Total BTEx	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/18/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2025	ND	209	104	200	1.18	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	190	94.9	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 100 % 40.6-153

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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: 03/14/2025  
 Reported: 03/20/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.57508, -103.53642

Sampling Date: 03/12/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SH 2 @ 2' (H251539-07)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.15	107	2.00	3.28		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	4.41		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.56	128	2.00	2.89		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.86	131	6.00	2.73		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/18/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2025	ND	209	104	200	1.18	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	190	94.9	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 109 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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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: 03/14/2025  
 Reported: 03/20/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.57508, -103.53642

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WH 1 @ 2' (H251539-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.15	107	2.00	3.28		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	4.41		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.56	128	2.00	2.89		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.86	131	6.00	2.73		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/18/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2025	ND	209	104	200	1.18	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	190	94.9	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 109 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 03/14/2025  
 Reported: 03/20/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.57508, -103.53642

Sampling Date: 03/12/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WH 2 @ 2' (H251539-09)**

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	03/18/2025	ND	2.15	107	2.00	3.28		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	4.41		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.56	128	2.00	2.89		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.86	131	6.00	2.73		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	03/18/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2025	ND	209	104	200	1.18	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	190	94.9	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.3 % 40.6-153

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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: 03/14/2025  
 Reported: 03/20/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.57508, -103.53642

Sampling Date: 03/12/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WH 3 @ 2' (H251539-10)**

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	03/18/2025	ND	2.15	107	2.00	3.28		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	4.41		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.56	128	2.00	2.89		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.86	131	6.00	2.73		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/18/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2025	ND	192	96.0	200	0.729	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	186	93.0	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 96.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 03/14/2025  
 Reported: 03/20/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.57508, -103.53642

Sampling Date: 03/12/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NH 1 @ 6' (H251539-11)**

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	03/18/2025	ND	2.15	107	2.00	3.28	
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	4.41	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.56	128	2.00	2.89	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.86	131	6.00	2.73	
Total BTEX	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/18/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2025	ND	192	96.0	200	0.729	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	186	93.0	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.7 % 40.6-153

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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: 03/14/2025  
 Reported: 03/20/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.57508, -103.53642

Sampling Date: 03/12/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NH 2 @ 6' (H251539-12)**

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	03/18/2025	ND	2.15	107	2.00	3.28	
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	4.41	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.56	128	2.00	2.89	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.86	131	6.00	2.73	
Total BTEX	<0.300	0.300	03/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/18/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2025	ND	192	96.0	200	0.729	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	186	93.0	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.6 % 40.6-153

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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: 03/14/2025  
 Reported: 03/20/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.57508, -103.53642

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EH 1 @ 6' (H251539-13)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2025	ND	2.15	107	2.00	3.28	
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	4.41	
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.56	128	2.00	2.89	
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.86	131	6.00	2.73	
Total BTX	<0.300	0.300	03/18/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/18/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2025	ND	192	96.0	200	0.729	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	186	93.0	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 03/14/2025  
 Reported: 03/20/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.57508, -103.53642

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EH 2 @ 6' (H251539-14)**

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	03/18/2025	ND	2.15	107	2.00	3.28		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	4.41		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.56	128	2.00	2.89		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.86	131	6.00	2.73		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	03/18/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2025	ND	192	96.0	200	0.729	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	186	93.0	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 99.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 03/14/2025  
 Reported: 03/20/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.57508, -103.53642

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EH 3 @ 6' (H251539-15)**

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	03/18/2025	ND	2.15	107	2.00	3.28		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	4.41		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.56	128	2.00	2.89		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.86	131	6.00	2.73		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	03/18/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2025	ND	192	96.0	200	0.729	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	186	93.0	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 99.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 03/14/2025  
 Reported: 03/20/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.57508, -103.53642

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SH 1 @ 6' (H251539-16)**

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	03/18/2025	ND	2.15	107	2.00	3.28		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	4.41		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.56	128	2.00	2.89		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.86	131	6.00	2.73		
Total BTEX	<0.300	0.300	03/18/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/18/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2025	ND	192	96.0	200	0.729	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	186	93.0	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 03/14/2025  
 Reported: 03/20/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.57508, -103.53642

Sampling Date: 03/12/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SH 2 @ 6' (H251539-17)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/18/2025	ND	2.15	107	2.00	3.28		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	4.41		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.56	128	2.00	2.89		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.86	131	6.00	2.73		
Total BTX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/18/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2025	ND	192	96.0	200	0.729	
DRO >C10-C28*	<10.0	10.0	03/17/2025	ND	186	93.0	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	03/17/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 03/14/2025  
 Reported: 03/20/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.57508, -103.53642

Sampling Date: 03/13/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WH 1 @ 6' (H251539-18)**

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	03/18/2025	ND	2.15	107	2.00	3.28		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	4.41		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.56	128	2.00	2.89		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.86	131	6.00	2.73		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/18/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	192	96.0	200	0.729	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	186	93.0	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 03/14/2025  
 Reported: 03/20/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.57508, -103.53642

Sampling Date: 03/12/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WH 2 @ 6' (H251539-19)**

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	03/18/2025	ND	2.15	107	2.00	3.28		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	4.41		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.56	128	2.00	2.89		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.86	131	6.00	2.73		
Total BTEX	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/18/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2025	ND	192	96.0	200	0.729	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	186	93.0	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 03/14/2025  
 Reported: 03/20/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.57508, -103.53642

Sampling Date: 03/12/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WH 3 @ 6' (H251539-20)**

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	03/18/2025	ND	2.15	107	2.00	3.28		
Toluene*	<0.050	0.050	03/18/2025	ND	2.34	117	2.00	4.41		
Ethylbenzene*	<0.050	0.050	03/18/2025	ND	2.56	128	2.00	2.89		
Total Xylenes*	<0.150	0.150	03/18/2025	ND	7.86	131	6.00	2.73		
Total BTEx	<0.300	0.300	03/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/17/2025	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	03/18/2025	ND	192	96.0	200	0.729	
DRO >C10-C28*	<10.0	10.0	03/18/2025	ND	186	93.0	200	0.310	
EXT DRO >C28-C36	<10.0	10.0	03/18/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.4 % 40.6-153

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QM-07      The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- BS-3      Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- BS1      Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
- ND      Analyte NOT DETECTED at or above the reporting limit
- RPD      Relative Percent Difference
- \*\*      Samples not received at proper temperature of 6°C or below.
- \*\*\*      Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager





# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Page 1 of 2

<b>Company Name:</b> Etech Environmental & Safety Solutions, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>													
<b>Project Manager:</b> Joel Lowry				<b>P.O. #:</b>				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>													
<b>Address:</b> 2617 West Marland				<b>Company:</b> Permian Resources																	
<b>City:</b> Hobbs <b>State:</b> NM <b>Zip:</b> 88240				<b>Attn:</b> Matt Taylor																	
<b>Phone #:</b> (575) 264-9884 <b>Fax #:</b>				<b>Address:</b>																	
<b>Project #:</b> 21343 <b>Project Owner:</b> Permian Resources				<b>City:</b>																	
<b>Project Name:</b> Whitten SWD ROW				<b>State:</b> <b>Zip:</b>																	
<b>Project Location:</b> 32.57508, -103.53642				<b>Phone #:</b>																	
<b>Sampler Name:</b> Addison Elston				<b>Fax #:</b>																	
<b>FOR LAB USE ONLY</b>				<b>MATRIX</b>		<b>PRESERV.</b>		<b>SAMPLING</b>													
<b>Lab I.D.</b>	<b>Sample I.D.</b>	<b>(GRAB OR (C)OMP. # CONTAINERS</b>	<b>GROUNDWATER</b>	<b>WASTEWATER</b>	<b>SOIL</b>	<b>OIL</b>	<b>SLUDGE</b>	<b>OTHER :</b>	<b>ACID/BASE:</b>	<b>ICE / COOL</b>	<b>OTHER :</b>	<b>DATE</b>	<b>TIME</b>								
H251539																					
1	NH 1 @ 2'	G 1			X				X			3/12/25		X	X	X					
2	NH 2 @ 2'	G 1			X				X			3/12/25		X	X	X					
3	EH 1 @ 2'	G 1			X				X			3/12/25		X	X	X					
4	EH 2 @ 2'	G 1			X				X			3/12/25		X	X	X					
5	EH 3 @ 2'	G 1			X				X			3/13/25		X	X	X					
6	SH 1 @ 2'	G 1			X				X			3/13/25		X	X	X					
7	SH 2 @ 2'	G 1			X				X			3/12/25		X	X	X					
8	WH 1 @ 2'	G 1			X				X			3/13/25		X	X	X					
9	WH 2 @ 2'	G 1			X				X			3/12/25		X	X	X					
10	WH 3 @ 2'	G 1			X				X			3/12/25		X	X	X					

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<b>Relinquished By:</b>	<b>Date:</b> 3-14-25 <b>Time:</b> 15:48	<b>Received By:</b>	<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b>
<b>Relinquished By:</b>	<b>Date:</b> <b>Time:</b>	<b>Received By:</b>	<b>REMARKS:</b>
<b>Delivered By: (Circle One)</b> Sampler - UPS - Bus - Other:	<b>Observed Temp. °C</b> 11.0 <b>Corrected Temp. °C</b> 10.7	<b>Sample Condition</b> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>CHECKED BY:</b> (Initials)
		<b>Turnaround Time:</b> Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	<b>Bacteria (only) Sample Condition</b> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
		<b>Thermometer ID</b> #140 <b>Correction Factor</b> +0.3°C	<b>Observed Temp. °C</b> <b>Corrected Temp. °C</b>



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Page 2 of 2

Company Name: Etech Environmental & Safety Solutions, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>														
Project Manager: Joel Lowry				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH (8015M)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX (8021B)</div> </div>														
Address: 2617 West Marland				Company: Permian Resources																		
City: Hobbs State: NM Zip: 88240				Attn: Matt Taylor																		
Phone #: (575) 264-9884 Fax #:				Address:																		
Project #: 21343 Project Owner: Permian Resources				City:																		
Project Name: Whitten SWD ROW				State: Zip:																		
Project Location: 32.57508, -103.53642				Phone #:																		
Sampler Name: Addison Elston				Fax #:																		
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING														
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME								
11	NH 1 @ 6'	G	1			X				X			3/12/25		X	X	X					
12	NH 2 @ 6'	G	1			X				X			3/12/25		X	X	X					
13	EH 1 @ 6'	G	1			X				X			3/13/25		X	X	X					
14	EH 2 @ 6'	G	1			X				X			3/13/25		X	X	X					
15	EH 3 @ 6'	G	1			X				X			3/13/25		X	X	X					
16	SH 1 @ 6'	G	1			X				X			3/13/25		X	X	X					
17	SH 2 @ 6'	G	1			X				X			3/12/25		X	X	X					
18	WH 1 @ 6'	G	1			X				X			3/13/25		X	X	X					
19	WH 2 @ 6'	G	1			X				X			3/12/25		X	X	X					
20	WH 3 @ 6'	G	1			X				X			3/12/25		X	X	X					

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Relinquished By:	Date: 3-14-25	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: 1:54 PM		All Results are emailed. Please provide Email address: <a href="mailto:pm@etechenv.com">pm@etechenv.com</a>	
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One)	Observed Temp. °C: 11.0	Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	CHECKED BY: (Initials):	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C: -10.7	<input type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID #140
		<input type="checkbox"/> No <input type="checkbox"/> No		Correction Factor -0.5°C
				Bacteria (only) Sample Condition: Cool <input type="checkbox"/> Intact <input type="checkbox"/> Observed Temp. °C: <input type="checkbox"/> Yes <input type="checkbox"/> No
				Corrected Temp. °C: <input type="checkbox"/> Yes <input type="checkbox"/> No



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---

May 22, 2025

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: WHITTEN SWD ROW

Enclosed are the results of analyses for samples received by the laboratory on 05/16/25 14:50.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	05/16/2025	Sampling Date:	05/15/2025
Reported:	05/22/2025	Sampling Type:	Soil
Project Name:	WHITTEN SWD ROW	Sampling Condition:	Cool & Intact
Project Number:	21343	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.574814-103.536446		

**Sample ID: FL 1 @ 4' (H252983-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/19/2025	ND	2.01	101	2.00	1.39	
Toluene*	<0.050	0.050	05/19/2025	ND	2.07	103	2.00	1.92	
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.03	101	2.00	1.54	
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.97	99.5	6.00	1.83	
Total BTX	<0.300	0.300	05/19/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3400	16.0	05/19/2025	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	05/19/2025	ND	181	90.6	200	2.46	
DRO >C10-C28*	80.1	10.0	05/19/2025	ND	175	87.7	200	3.02	
EXT DRO >C28-C36	10.6	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 94.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

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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: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 2 @ 4' (H252983-02)**

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	05/19/2025	ND	2.01	101	2.00	1.39		
Toluene*	<0.050	0.050	05/19/2025	ND	2.07	103	2.00	1.92		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.03	101	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.97	99.5	6.00	1.83		
Total BTEX	<0.300	0.300	05/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2480	16.0	05/19/2025	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	05/19/2025	ND	181	90.6	200	2.46	
DRO >C10-C28*	130	10.0	05/19/2025	ND	175	87.7	200	3.02	
EXT DRO >C28-C36	16.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 90.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.7 % 40.6-153

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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: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 3 @ 4' (H252983-03)**

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	05/19/2025	ND	2.01	101	2.00	1.39	
Toluene*	<0.050	0.050	05/19/2025	ND	2.07	103	2.00	1.92	
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.03	101	2.00	1.54	
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.97	99.5	6.00	1.83	
Total BTEX	<0.300	0.300	05/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2400	16.0	05/19/2025	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	05/19/2025	ND	181	90.6	200	2.46	
DRO >C10-C28*	156	10.0	05/19/2025	ND	175	87.7	200	3.02	
EXT DRO >C28-C36	20.5	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 99.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 4 @ 4' (H252983-04)**

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	05/19/2025	ND	2.01	101	2.00	1.39	
Toluene*	<0.050	0.050	05/19/2025	ND	2.07	103	2.00	1.92	
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.03	101	2.00	1.54	
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.97	99.5	6.00	1.83	
Total BTEX	<0.300	0.300	05/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2960	16.0	05/19/2025	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	05/19/2025	ND	181	90.6	200	2.46	
DRO >C10-C28*	497	10.0	05/19/2025	ND	175	87.7	200	3.02	
EXT DRO >C28-C36	83.4	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 89.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 113 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 5 @ 4' (H252983-05)**

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	05/19/2025	ND	2.01	101	2.00	1.39		
Toluene*	<0.050	0.050	05/19/2025	ND	2.07	103	2.00	1.92		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.03	101	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.97	99.5	6.00	1.83		
Total BTEX	<0.300	0.300	05/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5400	16.0	05/19/2025	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	05/19/2025	ND	181	90.6	200	2.46	
DRO >C10-C28*	310	10.0	05/19/2025	ND	175	87.7	200	3.02	
EXT DRO >C28-C36	45.1	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 93.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 40.6-153

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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:	05/16/2025	Sampling Date:	05/15/2025
Reported:	05/22/2025	Sampling Type:	Soil
Project Name:	WHITTEN SWD ROW	Sampling Condition:	Cool & Intact
Project Number:	21343	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.574814-103.536446		

**Sample ID: FL 6 @ 4' (H252983-06)**

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	05/19/2025	ND	2.01	101	2.00	1.39	
Toluene*	<0.050	0.050	05/19/2025	ND	2.07	103	2.00	1.92	
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.03	101	2.00	1.54	
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.97	99.5	6.00	1.83	
Total BTEX	<0.300	0.300	05/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	12200	16.0	05/20/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2025	ND	181	90.6	200	2.46	
DRO >C10-C28*	88.6	10.0	05/19/2025	ND	175	87.7	200	3.02	
EXT DRO >C28-C36	10.6	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 85.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 7 @ 4' (H252983-07)**

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	05/19/2025	ND	2.01	101	2.00	1.39	
Toluene*	<0.050	0.050	05/19/2025	ND	2.07	103	2.00	1.92	
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.03	101	2.00	1.54	
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.97	99.5	6.00	1.83	
Total BTEX	<0.300	0.300	05/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	6160	16.0	05/20/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	18.6	10.0	05/19/2025	ND	181	90.6	200	2.46	
DRO >C10-C28*	1790	10.0	05/19/2025	ND	175	87.7	200	3.02	
EXT DRO >C28-C36	240	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 94.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 148 % 40.6-153

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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:	05/16/2025	Sampling Date:	05/15/2025
Reported:	05/22/2025	Sampling Type:	Soil
Project Name:	WHITTEN SWD ROW	Sampling Condition:	Cool & Intact
Project Number:	21343	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.574814-103.536446		

**Sample ID: FL 8 @ 4' (H252983-08)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/19/2025	ND	2.01	101	2.00	1.39	
Toluene*	<0.050	0.050	05/19/2025	ND	2.07	103	2.00	1.92	
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.03	101	2.00	1.54	GC-NC
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.97	99.5	6.00	1.83	GC-NC
Total BTEX	<0.300	0.300	05/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 138 % 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	7760	16.0	05/20/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	86.8	10.0	05/19/2025	ND	181	90.6	200	2.46	
DRO >C10-C28*	3630	10.0	05/19/2025	ND	175	87.7	200	3.02	
EXT DRO >C28-C36	459	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 97.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 203 % 40.6-153

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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: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 9 @ 4' (H252983-09)**

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	05/19/2025	ND	2.01	101	2.00	1.39		
Toluene*	<0.050	0.050	05/19/2025	ND	2.07	103	2.00	1.92		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.03	101	2.00	1.54		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.97	99.5	6.00	1.83		
Total BTEX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	8800	16.0	05/20/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2025	ND	181	90.6	200	2.46	
DRO >C10-C28*	958	10.0	05/19/2025	ND	175	87.7	200	3.02	
EXT DRO >C28-C36	153	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 94.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 128 % 40.6-153

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**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 10 @ 4' (H252983-10)**

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	05/19/2025	ND	2.01	101	2.00	1.39	
Toluene*	<0.050	0.050	05/19/2025	ND	2.07	103	2.00	1.92	
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.03	101	2.00	1.54	
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.97	99.5	6.00	1.83	
Total BTEX	<0.300	0.300	05/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	15600	16.0	05/20/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2025	ND	181	90.6	200	2.46	
DRO >C10-C28*	692	10.0	05/19/2025	ND	175	87.7	200	3.02	
EXT DRO >C28-C36	109	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 94.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 123 % 40.6-153

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**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 11 @ 4' (H252983-11)**

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	05/19/2025	ND	2.01	101	2.00	1.39	
Toluene*	<0.050	0.050	05/19/2025	ND	2.07	103	2.00	1.92	
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.03	101	2.00	1.54	
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.97	99.5	6.00	1.83	
Total BTEX	<0.300	0.300	05/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	10000	16.0	05/20/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2025	ND	181	90.6	200	2.46	
DRO >C10-C28*	3100	10.0	05/19/2025	ND	175	87.7	200	3.02	
EXT DRO >C28-C36	416	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 156 % 40.6-153

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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:	05/16/2025	Sampling Date:	05/15/2025
Reported:	05/22/2025	Sampling Type:	Soil
Project Name:	WHITTEN SWD ROW	Sampling Condition:	Cool & Intact
Project Number:	21343	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.574814-103.536446		

**Sample ID: FL 12 @ 4' (H252983-12)**

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	05/19/2025	ND	2.01	101	2.00	1.39	
Toluene*	<0.050	0.050	05/19/2025	ND	2.07	103	2.00	1.92	
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.03	101	2.00	1.54	
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.97	99.5	6.00	1.83	
Total BTEX	<0.300	0.300	05/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	7730	16.0	05/20/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2025	ND	210	105	200	0.886	
DRO >C10-C28*	1760	10.0	05/19/2025	ND	201	100	200	0.377	QM-07
EXT DRO >C28-C36	412	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 99.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 129 % 40.6-153

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**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 13 @ 4' (H252983-13)**

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	05/19/2025	ND	2.01	101	2.00	1.39	
Toluene*	<0.050	0.050	05/19/2025	ND	2.07	103	2.00	1.92	
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.03	101	2.00	1.54	
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.97	99.5	6.00	1.83	
Total BTEX	<0.300	0.300	05/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	1500	16.0	05/20/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2025	ND	210	105	200	0.886	
DRO >C10-C28*	2610	10.0	05/19/2025	ND	201	100	200	0.377	
EXT DRO >C28-C36	612	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 94.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 145 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 14 @ 4' (H252983-14)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2025	ND	2.02	101	2.00	1.37		
Toluene*	<0.050	0.050	05/19/2025	ND	2.21	110	2.00	1.28		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.21	111	2.00	0.776		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.83	114	6.00	0.470		
Total BTX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	8000	16.0	05/20/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2025	ND	210	105	200	0.886	
DRO >C10-C28*	3370	10.0	05/19/2025	ND	201	100	200	0.377	
EXT DRO >C28-C36	836	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 99.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 179 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 15 @ 4' (H252983-15)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2025	ND	2.02	101	2.00	1.37		
Toluene*	<0.050	0.050	05/19/2025	ND	2.21	110	2.00	1.28		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.21	111	2.00	0.776		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.83	114	6.00	0.470		
Total BTX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	10500	16.0	05/20/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2025	ND	210	105	200	0.886	
DRO >C10-C28*	4220	10.0	05/19/2025	ND	201	100	200	0.377	
EXT DRO >C28-C36	912	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 191 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 16 @ 4' (H252983-16)**

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	05/19/2025	ND	2.02	101	2.00	1.37	
Toluene*	<0.050	0.050	05/19/2025	ND	2.21	110	2.00	1.28	
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.21	111	2.00	0.776	
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.83	114	6.00	0.470	
Total BTEX	<0.300	0.300	05/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	7440	16.0	05/20/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2025	ND	210	105	200	0.886	
DRO >C10-C28*	341	10.0	05/19/2025	ND	201	100	200	0.377	
EXT DRO >C28-C36	95.7	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 95.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 100 % 40.6-153

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**Analytical Results For:**

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

Received:	05/16/2025	Sampling Date:	05/15/2025
Reported:	05/22/2025	Sampling Type:	Soil
Project Name:	WHITTEN SWD ROW	Sampling Condition:	Cool & Intact
Project Number:	21343	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.574814-103.536446		

**Sample ID: FL 17 @ 4' (H252983-17)**

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	05/19/2025	ND	2.02	101	2.00	1.37		
Toluene*	<0.050	0.050	05/19/2025	ND	2.21	110	2.00	1.28		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.21	111	2.00	0.776		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.83	114	6.00	0.470		
Total BTEx	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	9200	16.0	05/20/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2025	ND	210	105	200	0.886	
DRO >C10-C28*	1360	10.0	05/19/2025	ND	201	100	200	0.377	
EXT DRO >C28-C36	299	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 117 % 40.6-153

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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: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 18 @ 4' (H252983-18)**

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	05/19/2025	ND	2.02	101	2.00	1.37		
Toluene*	<0.050	0.050	05/19/2025	ND	2.21	110	2.00	1.28		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.21	111	2.00	0.776		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.83	114	6.00	0.470		
Total BTEx	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	6080	16.0	05/20/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2025	ND	210	105	200	0.886	
DRO >C10-C28*	116	10.0	05/19/2025	ND	201	100	200	0.377	
EXT DRO >C28-C36	37.9	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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**Analytical Results For:**

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

Received:	05/16/2025	Sampling Date:	05/15/2025
Reported:	05/22/2025	Sampling Type:	Soil
Project Name:	WHITTEN SWD ROW	Sampling Condition:	Cool & Intact
Project Number:	21343	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.574814-103.536446		

**Sample ID: FL 19 @ 4' (H252983-19)**

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	05/19/2025	ND	2.02	101	2.00	1.37		
Toluene*	<0.050	0.050	05/19/2025	ND	2.21	110	2.00	1.28		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.21	111	2.00	0.776		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.83	114	6.00	0.470		
Total BTEX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	7200	16.0	05/20/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/19/2025	ND	210	105	200	0.886		
DRO >C10-C28*	329	10.0	05/19/2025	ND	201	100	200	0.377		
EXT DRO >C28-C36	89.5	10.0	05/19/2025	ND						

Surrogate: 1-Chlorooctane 87.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.8 % 40.6-153

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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: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 20 @ 4' (H252983-20)**

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	05/19/2025	ND	2.02	101	2.00	1.37		
Toluene*	<0.050	0.050	05/19/2025	ND	2.21	110	2.00	1.28		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.21	111	2.00	0.776		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.83	114	6.00	0.470		
Total BTEx	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	9920	16.0	05/20/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2025	ND	210	105	200	0.886	
DRO >C10-C28*	28.8	10.0	05/19/2025	ND	201	100	200	0.377	
EXT DRO >C28-C36	10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 95.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.7 % 40.6-153

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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: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 21 @ 4' (H252983-21)**

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	05/19/2025	ND	2.02	101	2.00	1.37		
Toluene*	<0.050	0.050	05/19/2025	ND	2.21	110	2.00	1.28		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.21	111	2.00	0.776		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.83	114	6.00	0.470		
Total BTEX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	16400	16.0	05/20/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2025	ND	210	105	200	0.886	
DRO >C10-C28*	164	10.0	05/19/2025	ND	201	100	200	0.377	
EXT DRO >C28-C36	44.6	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 92.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.3 % 40.6-153

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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: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 22 @ 4' (H252983-22)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2025	ND	2.02	101	2.00	1.37		
Toluene*	<0.050	0.050	05/19/2025	ND	2.21	110	2.00	1.28		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.21	111	2.00	0.776		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.83	114	6.00	0.470		
Total BTX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	11500	16.0	05/20/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2025	ND	210	105	200	0.886	
DRO >C10-C28*	2370	10.0	05/19/2025	ND	201	100	200	0.377	
EXT DRO >C28-C36	532	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 163 % 40.6-153

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**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 23 @ 4' (H252983-23)**

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	05/19/2025	ND	2.02	101	2.00	1.37	
Toluene*	<0.050	0.050	05/19/2025	ND	2.21	110	2.00	1.28	
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.21	111	2.00	0.776	
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.83	114	6.00	0.470	
Total BTEx	<0.300	0.300	05/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	14100	16.0	05/20/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2025	ND	210	105	200	0.886	
DRO >C10-C28*	170	10.0	05/19/2025	ND	201	100	200	0.377	
EXT DRO >C28-C36	49.7	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 94.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 24 @ 4' (H252983-24)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2025	ND	2.02	101	2.00	1.37		
Toluene*	<0.050	0.050	05/19/2025	ND	2.21	110	2.00	1.28		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.21	111	2.00	0.776		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.83	114	6.00	0.470		
Total BTX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	13100	16.0	05/20/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2025	ND	210	105	200	0.886	
DRO >C10-C28*	6820	10.0	05/19/2025	ND	201	100	200	0.377	
EXT DRO >C28-C36	1360	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 111 % 44.4-145

Surrogate: 1-Chlorooctadecane 308 % 40.6-153

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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: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 25 @ 4' (H252983-25)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2025	ND	2.02	101	2.00	1.37		
Toluene*	<0.050	0.050	05/19/2025	ND	2.21	110	2.00	1.28		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.21	111	2.00	0.776		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.83	114	6.00	0.470		
Total BTX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	5600	16.0	05/20/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2025	ND	210	105	200	0.886	
DRO >C10-C28*	1360	10.0	05/19/2025	ND	201	100	200	0.377	
EXT DRO >C28-C36	350	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 125 % 40.6-153

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**Analytical Results For:**

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

Received:	05/16/2025	Sampling Date:	05/15/2025
Reported:	05/22/2025	Sampling Type:	Soil
Project Name:	WHITTEN SWD ROW	Sampling Condition:	Cool & Intact
Project Number:	21343	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.574814-103.536446		

**Sample ID: FL 26 @ 4' (H252983-26)**

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	05/19/2025	ND	2.02	101	2.00	1.37		
Toluene*	<0.050	0.050	05/19/2025	ND	2.21	110	2.00	1.28		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.21	111	2.00	0.776		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.83	114	6.00	0.470		
Total BTEx	<0.300	0.300	05/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5440	16.0	05/19/2025	ND	432	108	400	7.69	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2025	ND	210	105	200	0.886	
DRO >C10-C28*	971	10.0	05/19/2025	ND	201	100	200	0.377	
EXT DRO >C28-C36	259	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 98.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 113 % 40.6-153

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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: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 27 @ 4' (H252983-27)**

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	05/19/2025	ND	2.02	101	2.00	1.37		
Toluene*	<0.050	0.050	05/19/2025	ND	2.21	110	2.00	1.28		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.21	111	2.00	0.776		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.83	114	6.00	0.470		
Total BTEx	<0.300	0.300	05/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9800	16.0	05/19/2025	ND	432	108	400	7.69		

TPH 8015M	mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2025	ND	210	105	200	0.886	
DRO >C10-C28*	3110	10.0	05/19/2025	ND	201	100	200	0.377	
EXT DRO >C28-C36	728	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 98.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 174 % 40.6-153

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**Analytical Results For:**

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

Received:	05/16/2025	Sampling Date:	05/15/2025
Reported:	05/22/2025	Sampling Type:	Soil
Project Name:	WHITTEN SWD ROW	Sampling Condition:	Cool & Intact
Project Number:	21343	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.574814-103.536446		

**Sample ID: FL 28 @ 4' (H252983-28)**

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	05/19/2025	ND	2.02	101	2.00	1.37		
Toluene*	<0.050	0.050	05/19/2025	ND	2.21	110	2.00	1.28		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.21	111	2.00	0.776		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.83	114	6.00	0.470		
Total BTEx	<0.300	0.300	05/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9680	16.0	05/19/2025	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/19/2025	ND	210	105	200	0.886	
DRO >C10-C28*	6220	10.0	05/19/2025	ND	201	100	200	0.377	
EXT DRO >C28-C36	1250	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 262 % 40.6-153

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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:	05/16/2025	Sampling Date:	05/15/2025
Reported:	05/22/2025	Sampling Type:	Soil
Project Name:	WHITTEN SWD ROW	Sampling Condition:	Cool & Intact
Project Number:	21343	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.574814-103.536446		

**Sample ID: FL 29 @ 4' (H252983-29)**

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	05/19/2025	ND	2.02	101	2.00	1.37		
Toluene*	<0.050	0.050	05/19/2025	ND	2.21	110	2.00	1.28		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.21	111	2.00	0.776		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.83	114	6.00	0.470		
Total BTEX	<0.300	0.300	05/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2430	16.0	05/19/2025	ND	432	108	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	05/19/2025	ND	210	105	200	0.886	
DRO >C10-C28*	287	10.0	05/19/2025	ND	201	100	200	0.377	
EXT DRO >C28-C36	84.3	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 88.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.2 % 40.6-153

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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: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: FL 30 @ 4' (H252983-30)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/19/2025	ND	2.02	101	2.00	1.37		
Toluene*	<0.050	0.050	05/19/2025	ND	2.21	110	2.00	1.28		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.21	111	2.00	0.776		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.83	114	6.00	0.470		
Total BTX	<0.300	0.300	05/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2610	16.0	05/19/2025	ND	432	108	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	05/19/2025	ND	210	105	200	0.886	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	201	100	200	0.377	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 96.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.0 % 40.6-153

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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:	05/16/2025	Sampling Date:	05/15/2025
Reported:	05/22/2025	Sampling Type:	Soil
Project Name:	WHITTEN SWD ROW	Sampling Condition:	Cool & Intact
Project Number:	21343	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.574814-103.536446		

**Sample ID: FL 31 @ 4' (H252983-31)**

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	05/19/2025	ND	2.02	101	2.00	1.37	
Toluene*	<0.050	0.050	05/19/2025	ND	2.21	110	2.00	1.28	
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.21	111	2.00	0.776	
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.83	114	6.00	0.470	
Total BTEX	<0.300	0.300	05/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	05/19/2025	ND	432	108	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	05/19/2025	ND	210	105	200	0.886	
DRO >C10-C28*	1260	10.0	05/19/2025	ND	201	100	200	0.377	
EXT DRO >C28-C36	274	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 91.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 112 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 1 (H252983-32)**

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	05/19/2025	ND	2.02	101	2.00	1.37	
Toluene*	<0.050	0.050	05/19/2025	ND	2.21	110	2.00	1.28	
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.21	111	2.00	0.776	
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.83	114	6.00	0.470	
Total BTEx	<0.300	0.300	05/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/19/2025	ND	432	108	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	05/19/2025	ND	196	97.9	200	2.72	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	198	98.8	200	5.62	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 91.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 2 (H252983-33)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/19/2025	ND	2.02	101	2.00	1.37	
Toluene*	<0.050	0.050	05/19/2025	ND	2.21	110	2.00	1.28	
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	2.21	111	2.00	0.776	
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.83	114	6.00	0.470	
Total BTX	<0.300	0.300	05/19/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	05/19/2025	ND	432	108	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	05/19/2025	ND	196	97.9	200	2.72	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	198	98.8	200	5.62	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 89.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 3 (H252983-34)**

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	05/19/2025	ND	1.98	98.9	2.00	7.32		
Toluene*	<0.050	0.050	05/19/2025	ND	1.91	95.3	2.00	11.5		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.93	96.5	2.00	9.41		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.00	99.9	6.00	10.2		
Total BTEx	<0.300	0.300	05/19/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	05/19/2025	ND	432	108	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	05/19/2025	ND	196	97.9	200	2.72	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	198	98.8	200	5.62	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 87.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 4 (H252983-35)**

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	05/19/2025	ND	1.98	98.9	2.00	7.32		
Toluene*	<0.050	0.050	05/19/2025	ND	1.91	95.3	2.00	11.5		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.93	96.5	2.00	9.41		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.00	99.9	6.00	10.2		
Total BTEX	<0.300	0.300	05/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/19/2025	ND	432	108	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	05/19/2025	ND	196	97.9	200	2.72	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	198	98.8	200	5.62	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 85.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	05/16/2025	Sampling Date:	05/15/2025
Reported:	05/22/2025	Sampling Type:	Soil
Project Name:	WHITTEN SWD ROW	Sampling Condition:	Cool & Intact
Project Number:	21343	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.574814-103.536446		

**Sample ID: W 5 (H252983-36)**

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	05/19/2025	ND	1.98	98.9	2.00	7.32		
Toluene*	<0.050	0.050	05/19/2025	ND	1.91	95.3	2.00	11.5		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.93	96.5	2.00	9.41		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.00	99.9	6.00	10.2		
Total BTEX	<0.300	0.300	05/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	05/19/2025	ND	432	108	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	05/19/2025	ND	196	97.9	200	2.72	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	198	98.8	200	5.62	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 90.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 6 (H252983-37)**

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	05/19/2025	ND	1.98	98.9	2.00	7.32		
Toluene*	<0.050	0.050	05/19/2025	ND	1.91	95.3	2.00	11.5		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.93	96.5	2.00	9.41		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.00	99.9	6.00	10.2		
Total BTEX	<0.300	0.300	05/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	05/19/2025	ND	432	108	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	05/19/2025	ND	196	97.9	200	2.72	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	198	98.8	200	5.62	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 89.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 7 (H252983-38)**

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	05/19/2025	ND	1.98	98.9	2.00	7.32		
Toluene*	<0.050	0.050	05/19/2025	ND	1.91	95.3	2.00	11.5		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.93	96.5	2.00	9.41		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.00	99.9	6.00	10.2		
Total BTEX	<0.300	0.300	05/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	05/19/2025	ND	432	108	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	05/19/2025	ND	196	97.9	200	2.72	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	198	98.8	200	5.62	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 93.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 8 (H252983-39)**

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	05/19/2025	ND	1.98	98.9	2.00	7.32		
Toluene*	<0.050	0.050	05/19/2025	ND	1.91	95.3	2.00	11.5		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.93	96.5	2.00	9.41		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.00	99.9	6.00	10.2		
Total BTEX	<0.300	0.300	05/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/19/2025	ND	432	108	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	05/19/2025	ND	196	97.9	200	2.72	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	198	98.8	200	5.62	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 93.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 9 (H252983-40)**

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	05/19/2025	ND	1.98	98.9	2.00	7.32	
Toluene*	<0.050	0.050	05/19/2025	ND	1.91	95.3	2.00	11.5	
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.93	96.5	2.00	9.41	
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.00	99.9	6.00	10.2	
Total BTEX	<0.300	0.300	05/19/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	05/19/2025	ND	432	108	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	05/19/2025	ND	196	97.9	200	2.72	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	198	98.8	200	5.62	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 80.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.7 % 40.6-153

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**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 10 (H252983-41)**

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	05/19/2025	ND	1.98	98.9	2.00	7.32		
Toluene*	<0.050	0.050	05/19/2025	ND	1.91	95.3	2.00	11.5		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.93	96.5	2.00	9.41		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.00	99.9	6.00	10.2		
Total BTEX	<0.300	0.300	05/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/19/2025	ND	432	108	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	05/19/2025	ND	196	97.9	200	2.72	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	198	98.8	200	5.62	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 82.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.4 % 40.6-153

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**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 11 (H252983-42)**

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	05/19/2025	ND	1.98	98.9	2.00	7.32		
Toluene*	<0.050	0.050	05/19/2025	ND	1.91	95.3	2.00	11.5		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.93	96.5	2.00	9.41		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.00	99.9	6.00	10.2		
Total BTEX	<0.300	0.300	05/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/19/2025	ND	432	108	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	05/19/2025	ND	196	97.9	200	2.72	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	198	98.8	200	5.62	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 80.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.9 % 40.6-153

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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: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 12 (H252983-43)**

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	05/19/2025	ND	1.98	98.9	2.00	7.32		
Toluene*	<0.050	0.050	05/19/2025	ND	1.91	95.3	2.00	11.5		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.93	96.5	2.00	9.41		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.00	99.9	6.00	10.2		
Total BTEX	<0.300	0.300	05/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	848	16.0	05/19/2025	ND	432	108	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	05/19/2025	ND	196	97.9	200	2.72	
DRO >C10-C28*	710	10.0	05/19/2025	ND	198	98.8	200	5.62	
EXT DRO >C28-C36	116	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 91.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.0 % 40.6-153

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**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 13 (H252983-44)**

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	05/19/2025	ND	1.98	98.9	2.00	7.32		
Toluene*	<0.050	0.050	05/19/2025	ND	1.91	95.3	2.00	11.5		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.93	96.5	2.00	9.41		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.00	99.9	6.00	10.2		
Total BTEX	<0.300	0.300	05/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/19/2025	ND	432	108	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	05/19/2025	ND	196	97.9	200	2.72	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	198	98.8	200	5.62	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 91.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.8 % 40.6-153

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**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 14 (H252983-45)**

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	05/19/2025	ND	1.98	98.9	2.00	7.32		
Toluene*	<0.050	0.050	05/19/2025	ND	1.91	95.3	2.00	11.5		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.93	96.5	2.00	9.41		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.00	99.9	6.00	10.2		
Total BTEX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/19/2025	ND	432	108	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	05/19/2025	ND	196	97.9	200	2.72	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	198	98.8	200	5.62	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 79.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.2 % 40.6-153

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**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 15 (H252983-46)**

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	05/19/2025	ND	1.98	98.9	2.00	7.32		
Toluene*	<0.050	0.050	05/19/2025	ND	1.91	95.3	2.00	11.5		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.93	96.5	2.00	9.41		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.00	99.9	6.00	10.2		
Total BTEX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	384	16.0	05/19/2025	ND	400	100	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	05/19/2025	ND	196	97.9	200	2.72	
DRO >C10-C28*	1640	10.0	05/19/2025	ND	198	98.8	200	5.62	
EXT DRO >C28-C36	286	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 97.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 127 % 40.6-153

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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:	05/16/2025	Sampling Date:	05/15/2025
Reported:	05/22/2025	Sampling Type:	Soil
Project Name:	WHITTEN SWD ROW	Sampling Condition:	Cool & Intact
Project Number:	21343	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.574814-103.536446		

**Sample ID: W 16 (H252983-47)**

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	05/19/2025	ND	1.98	98.9	2.00	7.32		
Toluene*	<0.050	0.050	05/19/2025	ND	1.91	95.3	2.00	11.5		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.93	96.5	2.00	9.41		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.00	99.9	6.00	10.2		
Total BTEX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	272	16.0	05/19/2025	ND	400	100	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	05/19/2025	ND	196	97.9	200	2.72	
DRO >C10-C28*	17.7	10.0	05/19/2025	ND	198	98.8	200	5.62	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 97.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.2 % 40.6-153

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: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 17 (H252983-48)**

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	05/19/2025	ND	1.98	98.9	2.00	7.32		
Toluene*	<0.050	0.050	05/19/2025	ND	1.91	95.3	2.00	11.5		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.93	96.5	2.00	9.41		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.00	99.9	6.00	10.2		
Total BTEX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	64.0	16.0	05/19/2025	ND	400	100	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	05/19/2025	ND	196	97.9	200	2.72	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	198	98.8	200	5.62	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 89.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 18 (H252983-49)**

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	05/19/2025	ND	1.98	98.9	2.00	7.32		
Toluene*	<0.050	0.050	05/19/2025	ND	1.91	95.3	2.00	11.5		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.93	96.5	2.00	9.41		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.00	99.9	6.00	10.2		
Total BTEX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	48.0	16.0	05/19/2025	ND	400	100	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	05/19/2025	ND	196	97.9	200	2.72	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	198	98.8	200	5.62	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 84.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	05/16/2025	Sampling Date:	05/15/2025
Reported:	05/22/2025	Sampling Type:	Soil
Project Name:	WHITTEN SWD ROW	Sampling Condition:	Cool & Intact
Project Number:	21343	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.574814-103.536446		

**Sample ID: W 19 (H252983-50)**

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	05/19/2025	ND	1.98	98.9	2.00	7.32		
Toluene*	<0.050	0.050	05/19/2025	ND	1.91	95.3	2.00	11.5		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.93	96.5	2.00	9.41		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.00	99.9	6.00	10.2		
Total BTEX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	05/19/2025	ND	400	100	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	05/19/2025	ND	196	97.9	200	2.72	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	198	98.8	200	5.62	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 93.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	05/16/2025	Sampling Date:	05/15/2025
Reported:	05/22/2025	Sampling Type:	Soil
Project Name:	WHITTEN SWD ROW	Sampling Condition:	Cool & Intact
Project Number:	21343	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.574814-103.536446		

**Sample ID: W 20 (H252983-51)**

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	05/19/2025	ND	1.98	98.9	2.00	7.32		
Toluene*	<0.050	0.050	05/19/2025	ND	1.91	95.3	2.00	11.5		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.93	96.5	2.00	9.41		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.00	99.9	6.00	10.2		
Total BTEX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	48.0	16.0	05/19/2025	ND	400	100	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	05/19/2025	ND	196	97.9	200	2.72	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	198	98.8	200	5.62	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 75.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 64.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 21 (H252983-52)**

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	05/19/2025	ND	1.98	98.9	2.00	7.32		
Toluene*	<0.050	0.050	05/19/2025	ND	1.91	95.3	2.00	11.5		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.93	96.5	2.00	9.41		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.00	99.9	6.00	10.2		
Total BTEX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	05/19/2025	ND	400	100	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	05/19/2025	ND	195	97.7	200	9.32	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	193	96.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 84.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	05/16/2025	Sampling Date:	05/15/2025
Reported:	05/22/2025	Sampling Type:	Soil
Project Name:	WHITTEN SWD ROW	Sampling Condition:	Cool & Intact
Project Number:	21343	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.574814-103.536446		

**Sample ID: W 22 (H252983-53)**

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	05/19/2025	ND	1.98	98.9	2.00	7.32		
Toluene*	<0.050	0.050	05/19/2025	ND	1.91	95.3	2.00	11.5		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.93	96.5	2.00	9.41		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	6.00	99.9	6.00	10.2		
Total BTEX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	128	16.0	05/19/2025	ND	400	100	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	05/19/2025	ND	195	97.7	200	9.32	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	193	96.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 23 (H252983-54)**

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	05/19/2025	ND	2.16	108	2.00	0.910		
Toluene*	<0.050	0.050	05/19/2025	ND	1.71	85.3	2.00	2.70		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.78	88.8	2.00	2.32		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.42	90.4	6.00	2.25		
Total BTEX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 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	112	16.0	05/19/2025	ND	400	100	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	05/19/2025	ND	195	97.7	200	9.32	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	193	96.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 24 (H252983-55)**

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	05/19/2025	ND	2.16	108	2.00	0.910		
Toluene*	<0.050	0.050	05/19/2025	ND	1.71	85.3	2.00	2.70		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.78	88.8	2.00	2.32		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.42	90.4	6.00	2.25		
Total BTEX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	64.0	16.0	05/19/2025	ND	400	100	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	05/19/2025	ND	195	97.7	200	9.32	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	193	96.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 25 (H252983-56)**

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	05/19/2025	ND	2.16	108	2.00	0.910		
Toluene*	<0.050	0.050	05/19/2025	ND	1.71	85.3	2.00	2.70		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.78	88.8	2.00	2.32		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.42	90.4	6.00	2.25		
Total BTEX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 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	64.0	16.0	05/19/2025	ND	400	100	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	05/19/2025	ND	195	97.7	200	9.32	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	193	96.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 113 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 26 (H252983-57)**

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	05/19/2025	ND	2.16	108	2.00	0.910		
Toluene*	<0.050	0.050	05/19/2025	ND	1.71	85.3	2.00	2.70		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.78	88.8	2.00	2.32		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.42	90.4	6.00	2.25		
Total BTEX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 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	48.0	16.0	05/19/2025	ND	400	100	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	05/19/2025	ND	195	97.7	200	9.32	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	193	96.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 111 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 27 (H252983-58)**

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	05/19/2025	ND	2.16	108	2.00	0.910		
Toluene*	<0.050	0.050	05/19/2025	ND	1.71	85.3	2.00	2.70		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.78	88.8	2.00	2.32		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.42	90.4	6.00	2.25		
Total BTEX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	64.0	16.0	05/19/2025	ND	400	100	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	05/19/2025	ND	195	97.7	200	9.32	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	193	96.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	05/16/2025	Sampling Date:	05/15/2025
Reported:	05/22/2025	Sampling Type:	Soil
Project Name:	WHITTEN SWD ROW	Sampling Condition:	Cool & Intact
Project Number:	21343	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.574814-103.536446		

**Sample ID: W 28 (H252983-59)**

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	05/19/2025	ND	2.16	108	2.00	0.910		
Toluene*	<0.050	0.050	05/19/2025	ND	1.71	85.3	2.00	2.70		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.78	88.8	2.00	2.32		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.42	90.4	6.00	2.25		
Total BTEX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 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	05/19/2025	ND	400	100	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	05/19/2025	ND	195	97.7	200	9.32	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	193	96.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 99.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 29 (H252983-60)**

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	05/19/2025	ND	2.16	108	2.00	0.910		
Toluene*	<0.050	0.050	05/19/2025	ND	1.71	85.3	2.00	2.70		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.78	88.8	2.00	2.32		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.42	90.4	6.00	2.25		
Total BTEX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 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	112	16.0	05/19/2025	ND	400	100	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	05/19/2025	ND	195	97.7	200	9.32	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	193	96.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 111 % 40.6-153

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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:	05/16/2025	Sampling Date:	05/15/2025
Reported:	05/22/2025	Sampling Type:	Soil
Project Name:	WHITTEN SWD ROW	Sampling Condition:	Cool & Intact
Project Number:	21343	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.574814-103.536446		

**Sample ID: W 30 (H252983-61)**

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	05/19/2025	ND	2.16	108	2.00	0.910		
Toluene*	<0.050	0.050	05/19/2025	ND	1.71	85.3	2.00	2.70		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.78	88.8	2.00	2.32		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.42	90.4	6.00	2.25		
Total BTEX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	128	16.0	05/19/2025	ND	400	100	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	05/19/2025	ND	195	97.7	200	9.32	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	193	96.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 31 (H252983-62)**

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	05/19/2025	ND	2.16	108	2.00	0.910		
Toluene*	<0.050	0.050	05/19/2025	ND	1.71	85.3	2.00	2.70		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.78	88.8	2.00	2.32		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.42	90.4	6.00	2.25		
Total BTEX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 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	48.0	16.0	05/19/2025	ND	400	100	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	05/19/2025	ND	195	97.7	200	9.32	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	193	96.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 115 % 40.6-153

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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: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 32 (H252983-63)**

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	05/19/2025	ND	2.16	108	2.00	0.910		
Toluene*	<0.050	0.050	05/19/2025	ND	1.71	85.3	2.00	2.70		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.78	88.8	2.00	2.32		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.42	90.4	6.00	2.25		
Total BTEX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	624	16.0	05/19/2025	ND	400	100	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	05/19/2025	ND	195	97.7	200	9.32	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	193	96.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 99.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	05/16/2025	Sampling Date:	05/15/2025
Reported:	05/22/2025	Sampling Type:	Soil
Project Name:	WHITTEN SWD ROW	Sampling Condition:	Cool & Intact
Project Number:	21343	Sample Received By:	Alyssa Parras
Project Location:	PERMIAN 32.574814-103.536446		

**Sample ID: W 33 (H252983-64)**

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	05/19/2025	ND	2.16	108	2.00	0.910		
Toluene*	<0.050	0.050	05/19/2025	ND	1.71	85.3	2.00	2.70		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.78	88.8	2.00	2.32		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.42	90.4	6.00	2.25		
Total BTEX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	976	16.0	05/19/2025	ND	400	100	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	05/19/2025	ND	195	97.7	200	9.32	
DRO >C10-C28*	71.3	10.0	05/19/2025	ND	193	96.4	200	2.16	
EXT DRO >C28-C36	23.8	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 95.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 34 (H252983-65)**

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	05/19/2025	ND	2.16	108	2.00	0.910		
Toluene*	<0.050	0.050	05/19/2025	ND	1.71	85.3	2.00	2.70		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.78	88.8	2.00	2.32		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.42	90.4	6.00	2.25		
Total BTEX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 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	1180	16.0	05/19/2025	ND	400	100	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	05/19/2025	ND	195	97.7	200	9.32	
DRO >C10-C28*	506	10.0	05/19/2025	ND	193	96.4	200	2.16	
EXT DRO >C28-C36	107	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 96.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 35 (H252983-66)**

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	05/19/2025	ND	2.16	108	2.00	0.910		
Toluene*	<0.050	0.050	05/19/2025	ND	1.71	85.3	2.00	2.70		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.78	88.8	2.00	2.32	GC-NC	
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.42	90.4	6.00	2.25		
Total BTEX	<0.300	0.300	05/19/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2920	16.0	05/19/2025	ND	416	104	400	7.41	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	31.7	10.0	05/19/2025	ND	195	97.7	200	9.32	
DRO >C10-C28*	2540	10.0	05/19/2025	ND	193	96.4	200	2.16	
EXT DRO >C28-C36	470	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 115 % 44.4-145

Surrogate: 1-Chlorooctadecane 167 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 36 (H252983-67)**

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	05/19/2025	ND	2.16	108	2.00	0.910	
Toluene*	<0.050	0.050	05/19/2025	ND	1.71	85.3	2.00	2.70	
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.78	88.8	2.00	2.32	
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.42	90.4	6.00	2.25	
Total BTEX	<0.300	0.300	05/19/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	05/19/2025	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	05/19/2025	ND	195	97.7	200	9.32	
DRO >C10-C28*	23.6	10.0	05/19/2025	ND	193	96.4	200	2.16	
EXT DRO >C28-C36	23.7	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 92.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 37 (H252983-68)**

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	05/19/2025	ND	2.16	108	2.00	0.910		
Toluene*	<0.050	0.050	05/19/2025	ND	1.71	85.3	2.00	2.70		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.78	88.8	2.00	2.32		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.42	90.4	6.00	2.25		
Total BTEX	<0.300	0.300	05/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	05/19/2025	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	05/19/2025	ND	195	97.7	200	9.32	
DRO >C10-C28*	135	10.0	05/19/2025	ND	193	96.4	200	2.16	
EXT DRO >C28-C36	44.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 98.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 38 (H252983-69)**

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	05/19/2025	ND	2.16	108	2.00	0.910		
Toluene*	<0.050	0.050	05/19/2025	ND	1.71	85.3	2.00	2.70		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.78	88.8	2.00	2.32		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.42	90.4	6.00	2.25		
Total BTEX	<0.300	0.300	05/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	05/19/2025	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	05/19/2025	ND	195	97.7	200	9.32	
DRO >C10-C28*	12.9	10.0	05/19/2025	ND	193	96.4	200	2.16	
EXT DRO >C28-C36	10.1	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 67.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 39 (H252983-70)**

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	05/19/2025	ND	2.16	108	2.00	0.910	
Toluene*	<0.050	0.050	05/19/2025	ND	1.71	85.3	2.00	2.70	
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.78	88.8	2.00	2.32	
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.42	90.4	6.00	2.25	
Total BTEX	<0.300	0.300	05/19/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	05/19/2025	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	05/19/2025	ND	195	97.7	200	9.32	
DRO >C10-C28*	56.1	10.0	05/19/2025	ND	193	96.4	200	2.16	
EXT DRO >C28-C36	18.1	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 94.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 40 (H252983-71)**

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	05/19/2025	ND	2.16	108	2.00	0.910		
Toluene*	<0.050	0.050	05/19/2025	ND	1.71	85.3	2.00	2.70		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.78	88.8	2.00	2.32		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.42	90.4	6.00	2.25		
Total BTEX	<0.300	0.300	05/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	05/19/2025	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	05/19/2025	ND	195	97.7	200	9.32	
DRO >C10-C28*	395	10.0	05/19/2025	ND	193	96.4	200	2.16	
EXT DRO >C28-C36	94.4	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 98.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 41 (H252983-72)**

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	05/19/2025	ND	2.16	108	2.00	0.910		
Toluene*	<0.050	0.050	05/19/2025	ND	1.71	85.3	2.00	2.70		
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.78	88.8	2.00	2.32		
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.42	90.4	6.00	2.25		
Total BTEX	<0.300	0.300	05/19/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/19/2025	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	05/19/2025	ND	214	107	200	2.41	
DRO >C10-C28*	<10.0	10.0	05/19/2025	ND	210	105	200	4.98	
EXT DRO >C28-C36	<10.0	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 85.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.8 % 40.6-153

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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: 05/16/2025  
 Reported: 05/22/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/15/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: W 42 (H252983-73)**

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	05/19/2025	ND	2.16	108	2.00	0.910	
Toluene*	<0.050	0.050	05/19/2025	ND	1.71	85.3	2.00	2.70	
Ethylbenzene*	<0.050	0.050	05/19/2025	ND	1.78	88.8	2.00	2.32	GC-NC
Total Xylenes*	<0.150	0.150	05/19/2025	ND	5.42	90.4	6.00	2.25	
Total BTEX	<0.300	0.300	05/19/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	05/19/2025	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*	32.5	10.0	05/19/2025	ND	214	107	200	2.41	
DRO >C10-C28*	2040	10.0	05/19/2025	ND	210	105	200	4.98	
EXT DRO >C28-C36	399	10.0	05/19/2025	ND					

Surrogate: 1-Chlorooctane 91.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 124 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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---

### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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

---

Celey D. Keene, Lab Director/Quality Manager

101 East Marland, Hobbs, NM 88240  
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Page 1 of 8

Company Name: Etech Environmental & Safety Solutions, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: Joel Lowry				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>											
Address: 2617 West Marland				Company: Permian Resources															
City: Hobbs State: NM Zip: 88240				Attn: Montgomery Floyd															
Phone #: (575) 264-9884 Fax #:				Address:															
Project #: 21343 Project Owner: Permian Resources Oper				City:															
Project Name: Whitten SWD ROW				State: Zip:															
Project Location: 32.574814, -103.536446				Phone #:															
Sampler Name: Addison Elston				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.		Sample I.D.		(G/RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING							
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :		ACID/BASE: ICE / COOL OTHER :		DATE TIME							
1252983				C 1				X		X		5/15/25		X X X					
1		FL 1 @ 4'		C 1				X		X		5/15/25		X X X					
2		FL 2 @ 4'		C 1				X		X		5/15/25		X X X					
3		FL 3 @ 4'		C 1				X		X		5/15/25		X X X					
4		FL 4 @ 4'		C 1				X		X		5/15/25		X X X					
5		FL 5 @ 4'		C 1				X		X		5/15/25		X X X					
6		FL 6 @ 4'		C 1				X		X		5/15/25		X X X					
7		FL 7 @ 4'		C 1				X		X		5/15/25		X X X					
8		FL 8 @ 4'		C 1				X		X		5/15/25		X X X					
9		FL 9 @ 4'		C 1				X		X		5/15/25		X X X					
10		FL 10 @ 4'		C 1				X		X		5/15/25		X X X					
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Relinquished By:				Date: 5/16/25		Received By:				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address: <a href="mailto:pm@etechenv.com">pm@etechenv.com</a>									
Relinquished By:				Date:		Received By:				REMARKS:									
				Time:															
Delivered By: (Circle One)				Observed Temp. °C 6.8		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				CHECKED BY: (Initials) AP				Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>					
Sampler - UPS - Bus - Other:				Corrected Temp. °C 1.12										Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No					
														Thermometer ID #140 Correction Factor -0.6°C +0.32					



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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
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Page 4 of 8

<b>Company Name:</b> Etech Environmental & Safety Solutions, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																	
<b>Project Manager:</b> Joel Lowry				<b>P.O. #:</b>				<div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH (8015M)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX (8021B)</div> </div>																	
<b>Address:</b> 2617 West Marland				<b>Company:</b> Permian Resources																					
<b>City:</b> Hobbs <b>State:</b> NM <b>Zip:</b> 88240				<b>Attn:</b> Montgomery Floyd																					
<b>Phone #:</b> (575) 264-9884 <b>Fax #:</b>				<b>Address:</b>																					
<b>Project #:</b> 21343 <b>Project Owner:</b> Permian Resources Oper				<b>City:</b>																					
<b>Project Name:</b> Whitten SWD ROW				<b>State:</b> <b>Zip:</b>																					
<b>Project Location:</b> 32.574814, -103.536446				<b>Phone #:</b>																					
<b>Sampler Name:</b> Addison Elston				<b>Fax #:</b>																					
<b>FOR LAB USE ONLY</b>				<b>MATRIX</b>		<b>PRESERV.</b>		<b>SAMPLING</b>																	
<b>Lab I.D.</b>	<b>Sample I.D.</b>	<b>(GRAB OR (COMP. # CONTAINERS</b>	<b>GROUNDWATER</b>	<b>WASTEWATER</b>	<b>SOIL</b>	<b>OIL</b>	<b>SLUDGE</b>	<b>OTHER :</b>	<b>ACID/BASE:</b>	<b>ICE / COOL</b>	<b>OTHER :</b>	<b>DATE</b>	<b>TIME</b>												
1450903	FL 31 @ 4'	C 1			X					X		5/15/25		X	X	X									
32	W 1	C 1			X					X		5/15/25		X	X	X									
33	W 2	C 1			X					X		5/15/25		X	X	X									
34	W 3	C 1			X					X		5/15/25		X	X	X									
35	W 4	C 1			X					X		5/15/25		X	X	X									
30	W 5	C 1			X					X		5/15/25		X	X	X									
31	W 6	C 1			X					X		5/15/25		X	X	X									
38	W 7	C 1			X					X		5/15/25		X	X	X									
39	W 8	C 1			X					X		5/15/25		X	X	X									
40	W 9	C 1			X					X		5/15/25		X	X	X									

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<b>Relinquished By:</b>		<b>Date:</b> 5/14/25	<b>Received By:</b>		<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b>	
		<b>Time:</b> 1450			<b>All Results are emailed. Please provide Email address:</b> <a href="mailto:pm@etechenv.com">pm@etechenv.com</a>	
<b>Relinquished By:</b>		<b>Date:</b>	<b>Received By:</b>		<b>REMARKS:</b>	
<b>Time:</b>						
<b>Delivered By: (Circle One)</b>	<b>Observed Temp. °C</b> 08.2	<b>Sample Condition</b>	<b>CHECKED BY:</b> (Initials)	<b>Turnaround Time:</b>	<b>Standard</b> <input checked="" type="checkbox"/> <b>Rush</b> <input type="checkbox"/>	<b>Bacteria (only) Sample Condition</b>
<b>Sampler - UPS - Bus - Other:</b>	<b>Corrected Temp. °C</b> 1.12	<input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact		<b>Thermometer ID #140</b>		<b>Cool Intact</b>
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>Correction Factor -0.6°C +0.3°C</b>		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
						<b>Observed Temp. °C</b>
						<b>Corrected Temp. °C</b>



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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Relinquished By: <i>M. H. H.</i>		Date: <i>5-10-25</i>		Received By: <i>apenas</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:	
		Time: <i>1450</i>				All Results are emailed. Please provide Email address: <a href="mailto:pm@etechenv.com">pm@etechenv.com</a>	
Relinquished By:		Date:		Received By:		REMARKS:	
		Time:					
Delivered By: (Circle One)		Observed Temp. °C <i>08.2</i>		Sample Condition		Turnaround Time: <i>AP5-10-25</i>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <i>1.12</i>		Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		Standard <i>Rush</i> <input checked="" type="checkbox"/>	
				CHECKED BY: (Initials) <i>PP</i>		Thermometer ID #140 Correction Factor <i>-0.6°C</i> <i>+0.3°C</i>	
						Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Observed Temp. °C Yes <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C Yes <input type="checkbox"/> No <input type="checkbox"/>	





# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
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Page 6 of 8

Company Name: Etech Environmental & Safety Solutions, Inc.										<b>BILL TO</b>			<b>ANALYSIS REQUEST</b>																										
Project Manager: Joel Lowry										P.O. #:			<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																										
Address: 2617 West Marland										Company: Permian Resources																													
City: Hobbs State: NM Zip: 88240										Attn: Montgomery Floyd																													
Phone #: (575) 264-9884 Fax #:										Address:																													
Project #: 21343 Project Owner: Permian Resources Oper										City:																													
Project Name: Whitten SWD ROW										State: Zip:																													
Project Location: 32.574814, -103.536446										Phone #:																													
Sampler Name: Addison Elston										Fax #:																													
FOR LAB USE ONLY																																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING																											
								GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME											
H252983				C		1																				5/15/25													
52		W 20		C		1																				5/15/25													
53		W 21		C		1																				5/15/25													
54		W 22		C		1																				5/15/25													
55		W 23		C		1																				5/15/25													
56		W 24		C		1																				5/15/25													
57		W 25		C		1																				5/15/25													
58		W 26		C		1																				5/15/25													
59		W 27		C		1																				5/15/25													
60		W 28		C		1																				5/15/25													
61		W 29		C		1																				5/15/25													

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Relinquished By: <i>[Signature]</i>		Date: 5/16/25		Received By: <i>[Signature]</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: 1450		Time: 1450		All Results are emailed. Please provide Email address: <a href="mailto:pm@etechenv.com">pm@etechenv.com</a>		REMARKS:	
Relinquished By:		Date:		Received By:			
Time:							
Delivered By: (Circle One)		Observed Temp. °C: 0.8°C		Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) AP	
Sampler - UPS - Bus - Other:		Corrected Temp. °C: 1.1°C		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Bacteria (only) Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
				Thermometer ID #140		Observed Temp. °C	
				Correction Factor -0.6°C		Corrected Temp. °C	



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Relinquished By: <i>Mth</i>		Date: <i>5-10-25</i>		Received By: <i>adames</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
		Time: <i>1450</i>				All Results are emailed. Please provide Email address: <a href="mailto:pm@etechenv.com">pm@etechenv.com</a>	
Relinquished By:		Date:		Received By:		REMARKS:	
		Time:					
Delivered By: (Circle One)		Observed Temp. °C <i>08.2</i>		Sample Condition		Turnaround Time: <i>15-16-25</i>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <i>1.1</i>		Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		Standard <i>Rush</i> <input checked="" type="checkbox"/>	
				CHECKED BY: (Initials) <i>PP</i>		Bacteria (only) Sample Condition	
						Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	
						Observed Temp. °C	
						Corrected Temp. °C	



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

May 27, 2025

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: WHITTEN SWD ROW

Enclosed are the results of analyses for samples received by the laboratory on 05/20/25 14:44.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	05/20/2025	Sampling Date:	05/19/2025
Reported:	05/27/2025	Sampling Type:	Soil
Project Name:	WHITTEN SWD ROW	Sampling Condition:	Cool & Intact
Project Number:	21343	Sample Received By:	Shalyn Rodriguez
Project Location:	PERMIAN 32.574814-103.536446		

**Sample ID: FL 32 @ 4' (H253046-01)**

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	05/22/2025	ND	1.90	95.0	2.00	0.676		
Toluene*	<0.050	0.050	05/22/2025	ND	1.60	79.8	2.00	0.381		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.65	82.6	2.00	0.295		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.07	84.5	6.00	0.954		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 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	3160	16.0	05/22/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2025	ND	214	107	200	1.25	
DRO >C10-C28*	4920	10.0	05/22/2025	ND	203	101	200	0.586	
EXT DRO >C28-C36	969	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 258 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 33 @ 4' (H253046-02)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2025	ND	1.90	95.0	2.00	0.676		
Toluene*	<0.050	0.050	05/22/2025	ND	1.60	79.8	2.00	0.381		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.65	82.6	2.00	0.295		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.07	84.5	6.00	0.954		
Total BTX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1170	16.0	05/22/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2025	ND	214	107	200	1.25	
DRO >C10-C28*	5520	10.0	05/22/2025	ND	203	101	200	0.586	
EXT DRO >C28-C36	1130	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 99.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 292 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 34 @ 4' (H253046-03)**

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	05/22/2025	ND	1.84	92.1	2.00	3.45		
Toluene*	<0.050	0.050	05/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.95	97.7	2.00	2.90		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.75	95.9	6.00	3.12		
Total BTEx	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 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	1410	16.0	05/22/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2025	ND	214	107	200	1.25	
DRO >C10-C28*	3330	10.0	05/22/2025	ND	203	101	200	0.586	
EXT DRO >C28-C36	766	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 202 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 35 @ 4' (H253046-04)**

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	05/22/2025	ND	1.84	92.1	2.00	3.45		
Toluene*	<0.050	0.050	05/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.95	97.7	2.00	2.90		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.75	95.9	6.00	3.12		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	1390	16.0	05/22/2025	ND	432	108	400	0.00		
TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/21/2025	ND	197	98.6	200	3.51		
DRO >C10-C28*	3010	10.0	05/21/2025	ND	190	95.2	200	3.56	QM-07, QR-03	
EXT DRO >C28-C36	786	10.0	05/21/2025	ND						

Surrogate: 1-Chlorooctane 82.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 156 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 36 @ 4' (H253046-05)**

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	05/22/2025	ND	1.84	92.1	2.00	3.45		
Toluene*	<0.050	0.050	05/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.95	97.7	2.00	2.90		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.75	95.9	6.00	3.12		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 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	1940	16.0	05/22/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2025	ND	197	98.6	200	3.51	
DRO >C10-C28*	6470	10.0	05/21/2025	ND	190	95.2	200	3.56	
EXT DRO >C28-C36	1450	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 96.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 251 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 37 @ 4' (H253046-06)**

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	05/22/2025	ND	1.84	92.1	2.00	3.45		
Toluene*	<0.050	0.050	05/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.95	97.7	2.00	2.90		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.75	95.9	6.00	3.12		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	2000	16.0	05/22/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2025	ND	197	98.6	200	3.51	
DRO >C10-C28*	6540	10.0	05/21/2025	ND	190	95.2	200	3.56	
EXT DRO >C28-C36	1450	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 97.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 252 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 38 @ 4' (H253046-07)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2025	ND	1.84	92.1	2.00	3.45		
Toluene*	<0.050	0.050	05/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.95	97.7	2.00	2.90		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.75	95.9	6.00	3.12		
Total BTX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 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	1780	16.0	05/22/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2025	ND	197	98.6	200	3.51	
DRO >C10-C28*	5690	10.0	05/21/2025	ND	190	95.2	200	3.56	
EXT DRO >C28-C36	1230	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 88.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 225 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 39 @ 4' (H253046-08)**

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	05/22/2025	ND	1.84	92.1	2.00	3.45		
Toluene*	<0.050	0.050	05/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.95	97.7	2.00	2.90		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.75	95.9	6.00	3.12		
Total BTEx	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 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	1170	16.0	05/22/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2025	ND	197	98.6	200	3.51	
DRO >C10-C28*	7760	10.0	05/21/2025	ND	190	95.2	200	3.56	
EXT DRO >C28-C36	1540	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 85.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 178 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 40 @ 4' (H253046-09)**

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	05/22/2025	ND	1.84	92.1	2.00	3.45		
Toluene*	<0.050	0.050	05/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.95	97.7	2.00	2.90		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.75	95.9	6.00	3.12		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	7330	16.0	05/22/2025	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	05/21/2025	ND	197	98.6	200	3.51	
DRO >C10-C28*	1760	10.0	05/21/2025	ND	190	95.2	200	3.56	
EXT DRO >C28-C36	377	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 87.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 120 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 41 @ 4' (H253046-10)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2025	ND	1.84	92.1	2.00	3.45		
Toluene*	<0.050	0.050	05/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.95	97.7	2.00	2.90		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.75	95.9	6.00	3.12		
Total BTX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 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	2240	16.0	05/22/2025	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2025	ND	197	98.6	200	3.51	
DRO >C10-C28*	3970	10.0	05/21/2025	ND	190	95.2	200	3.56	
EXT DRO >C28-C36	906	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 94.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 185 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 42 @ 4' (H253046-11)**

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	05/22/2025	ND	1.84	92.1	2.00	3.45		
Toluene*	<0.050	0.050	05/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.95	97.7	2.00	2.90		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.75	95.9	6.00	3.12		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 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	3360	16.0	05/22/2025	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	05/21/2025	ND	197	98.6	200	3.51	
DRO >C10-C28*	1450	10.0	05/21/2025	ND	190	95.2	200	3.56	
EXT DRO >C28-C36	400	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 95.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 122 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 43 @ 4' (H253046-12)**

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	05/22/2025	ND	1.84	92.1	2.00	3.45		
Toluene*	<0.050	0.050	05/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.95	97.7	2.00	2.90		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.75	95.9	6.00	3.12		
Total BTEX	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2030	16.0	05/23/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2025	ND	197	98.6	200	3.51	
DRO >C10-C28*	6700	10.0	05/21/2025	ND	190	95.2	200	3.56	
EXT DRO >C28-C36	1540	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 97.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 169 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 44 @ 4' (H253046-13)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2025	ND	1.84	92.1	2.00	3.45		
Toluene*	<0.050	0.050	05/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.95	97.7	2.00	2.90		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.75	95.9	6.00	3.12		
Total BTX	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1760	16.0	05/23/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10.6	10.0	05/21/2025	ND	197	98.6	200	3.51	
DRO >C10-C28*	7710	10.0	05/21/2025	ND	190	95.2	200	3.56	
EXT DRO >C28-C36	1200	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 96.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 170 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 45 @ 4' (H253046-14)**

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	05/22/2025	ND	1.84	92.1	2.00	3.45		
Toluene*	<0.050	0.050	05/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.95	97.7	2.00	2.90		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.75	95.9	6.00	3.12		
Total BTEx	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	05/23/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2025	ND	197	98.6	200	3.51	
DRO >C10-C28*	6780	10.0	05/21/2025	ND	190	95.2	200	3.56	
EXT DRO >C28-C36	1220	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 99.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 170 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 46 @ 4' (H253046-15)**

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	05/22/2025	ND	1.84	92.1	2.00	3.45		
Toluene*	<0.050	0.050	05/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.95	97.7	2.00	2.90		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.75	95.9	6.00	3.12		
Total BTEX	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1980	16.0	05/23/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2025	ND	197	98.6	200	3.51	
DRO >C10-C28*	3790	10.0	05/21/2025	ND	190	95.2	200	3.56	
EXT DRO >C28-C36	946	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 88.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 174 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 47 @ 4' (H253046-16)**

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	05/22/2025	ND	1.84	92.1	2.00	3.45		
Toluene*	<0.050	0.050	05/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.95	97.7	2.00	2.90		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.75	95.9	6.00	3.12		
Total BTEx	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1730	16.0	05/23/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2025	ND	197	98.6	200	3.51	
DRO >C10-C28*	277	10.0	05/21/2025	ND	190	95.2	200	3.56	
EXT DRO >C28-C36	77.4	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 86.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.7 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 48 @ 4' (H253046-17)**

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	05/22/2025	ND	1.84	92.1	2.00	3.45	
Toluene*	<0.050	0.050	05/22/2025	ND	1.96	97.8	2.00	3.14	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.95	97.7	2.00	2.90	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.75	95.9	6.00	3.12	
Total BTEX	<0.300	0.300	05/22/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6320	16.0	05/23/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2025	ND	197	98.6	200	3.51	
DRO >C10-C28*	144	10.0	05/21/2025	ND	190	95.2	200	3.56	
EXT DRO >C28-C36	39.6	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 94.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 49 @ 4' (H253046-18)**

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	05/22/2025	ND	1.84	92.1	2.00	3.45		
Toluene*	<0.050	0.050	05/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.95	97.7	2.00	2.90		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.75	95.9	6.00	3.12		
Total BTEx	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4440	16.0	05/23/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2025	ND	197	98.6	200	3.51	
DRO >C10-C28*	510	10.0	05/21/2025	ND	190	95.2	200	3.56	
EXT DRO >C28-C36	130	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 86.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.5 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 50 @ 4' (H253046-19)**

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	05/22/2025	ND	1.84	92.1	2.00	3.45		
Toluene*	<0.050	0.050	05/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.95	97.7	2.00	2.90		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.75	95.9	6.00	3.12		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5600	16.0	05/23/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.3	10.0	05/22/2025	ND	197	98.6	200	3.51	
DRO >C10-C28*	3250	10.0	05/22/2025	ND	190	95.2	200	3.56	
EXT DRO >C28-C36	585	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 93.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 158 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 51 @ 4' (H253046-20)**

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	05/22/2025	ND	1.84	92.1	2.00	3.45		
Toluene*	<0.050	0.050	05/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.95	97.7	2.00	2.90		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.75	95.9	6.00	3.12		
Total BTEX	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5360	16.0	05/23/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2025	ND	197	98.6	200	3.51	
DRO >C10-C28*	640	10.0	05/22/2025	ND	190	95.2	200	3.56	
EXT DRO >C28-C36	183	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 95.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 107 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 52 @ 4' (H253046-21)**

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	05/22/2025	ND	1.84	92.1	2.00	3.45		
Toluene*	<0.050	0.050	05/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.95	97.7	2.00	2.90		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.75	95.9	6.00	3.12		
Total BTEx	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5440	16.0	05/23/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2025	ND	197	98.6	200	3.51	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	190	95.2	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 96.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.6 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 53 @ 4' (H253046-22)**

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	05/22/2025	ND	1.84	92.1	2.00	3.45		
Toluene*	<0.050	0.050	05/22/2025	ND	1.96	97.8	2.00	3.14		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.95	97.7	2.00	2.90		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.75	95.9	6.00	3.12		
Total BTEX	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11700	16.0	05/23/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2025	ND	197	98.6	200	3.51	
DRO >C10-C28*	1180	10.0	05/22/2025	ND	190	95.2	200	3.56	
EXT DRO >C28-C36	258	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 95.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 113 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 54 @ 4' (H253046-23)**

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	05/21/2025	ND	1.74	87.0	2.00	4.06		
Toluene*	<0.050	0.050	05/21/2025	ND	1.93	96.7	2.00	4.64		
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	1.98	99.2	2.00	3.91		
Total Xylenes*	<0.150	0.150	05/21/2025	ND	6.17	103	6.00	3.72		
Total BTEX	<0.300	0.300	05/21/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6000	16.0	05/23/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2025	ND	197	98.6	200	3.51	
DRO >C10-C28*	199	10.0	05/22/2025	ND	190	95.2	200	3.56	
EXT DRO >C28-C36	43.2	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 95.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.3 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 55 @ 4' (H253046-24)**

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	05/21/2025	ND	1.74	87.0	2.00	4.06		
Toluene*	<0.050	0.050	05/21/2025	ND	1.93	96.7	2.00	4.64		
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	1.98	99.2	2.00	3.91		
Total Xylenes*	<0.150	0.150	05/21/2025	ND	6.17	103	6.00	3.72		
Total BTEX	<0.300	0.300	05/21/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8080	16.0	05/23/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2025	ND	180	90.0	200	3.35	QM-07
DRO >C10-C28*	317	10.0	05/21/2025	ND	173	86.5	200	3.54	QM-07
EXT DRO >C28-C36	55.8	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 93.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 56 @ 4' (H253046-25)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/21/2025	ND	1.74	87.0	2.00	4.06		
Toluene*	<0.050	0.050	05/21/2025	ND	1.93	96.7	2.00	4.64		
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	1.98	99.2	2.00	3.91		
Total Xylenes*	<0.150	0.150	05/21/2025	ND	6.17	103	6.00	3.72		
Total BTX	<0.300	0.300	05/21/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3040	16.0	05/23/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2025	ND	180	90.0	200	3.35	
DRO >C10-C28*	1160	10.0	05/21/2025	ND	173	86.5	200	3.54	
EXT DRO >C28-C36	198	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 94.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 134 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 57 @ 4' (H253046-26)**

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	05/22/2025	ND	1.74	87.0	2.00	4.06		
Toluene*	<0.050	0.050	05/22/2025	ND	1.93	96.7	2.00	4.64		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.98	99.2	2.00	3.91		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.17	103	6.00	3.72		
Total BTEX	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1740	16.0	05/23/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2025	ND	180	90.0	200	3.35	
DRO >C10-C28*	2250	10.0	05/21/2025	ND	173	86.5	200	3.54	
EXT DRO >C28-C36	310	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 93.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 167 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 58 @ 4' (H253046-27)**

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	05/21/2025	ND	1.74	87.0	2.00	4.06		
Toluene*	<0.050	0.050	05/21/2025	ND	1.93	96.7	2.00	4.64		
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	1.98	99.2	2.00	3.91		
Total Xylenes*	<0.150	0.150	05/21/2025	ND	6.17	103	6.00	3.72		
Total BTEX	<0.300	0.300	05/21/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	05/23/2025	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2025	ND	180	90.0	200	3.35	
DRO >C10-C28*	16.3	10.0	05/21/2025	ND	173	86.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 59 @ 4' (H253046-28)**

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	05/21/2025	ND	1.74	87.0	2.00	4.06		
Toluene*	<0.050	0.050	05/21/2025	ND	1.93	96.7	2.00	4.64		
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	1.98	99.2	2.00	3.91		
Total Xylenes*	<0.150	0.150	05/21/2025	ND	6.17	103	6.00	3.72		
Total BTEX	<0.300	0.300	05/21/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14300	16.0	05/23/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2025	ND	180	90.0	200	3.35	
DRO >C10-C28*	25.6	10.0	05/21/2025	ND	173	86.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 92.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.4 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 60 @ 4' (H253046-29)**

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	05/21/2025	ND	1.74	87.0	2.00	4.06		
Toluene*	<0.050	0.050	05/21/2025	ND	1.93	96.7	2.00	4.64		
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	1.98	99.2	2.00	3.91		
Total Xylenes*	<0.150	0.150	05/21/2025	ND	6.17	103	6.00	3.72		
Total BTEX	<0.300	0.300	05/21/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1380	16.0	05/23/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2025	ND	180	90.0	200	3.35	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	173	86.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 61 @ 4' (H253046-30)**

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	05/21/2025	ND	1.74	87.0	2.00	4.06		
Toluene*	<0.050	0.050	05/21/2025	ND	1.93	96.7	2.00	4.64		
Ethylbenzene*	<0.050	0.050	05/21/2025	ND	1.98	99.2	2.00	3.91		
Total Xylenes*	<0.150	0.150	05/21/2025	ND	6.17	103	6.00	3.72		
Total BTEx	<0.300	0.300	05/21/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7040	16.0	05/23/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2025	ND	180	90.0	200	3.35	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	173	86.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 96.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.0 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 62 @ 4' (H253046-31)**

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	05/22/2025	ND	1.74	87.0	2.00	4.06		
Toluene*	<0.050	0.050	05/22/2025	ND	1.93	96.7	2.00	4.64		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.98	99.2	2.00	3.91		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.17	103	6.00	3.72		
Total BTEX	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1040	16.0	05/23/2025	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2025	ND	180	90.0	200	3.35	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	173	86.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 63 @ 4' (H253046-32)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2025	ND	1.74	87.0	2.00	4.06		
Toluene*	<0.050	0.050	05/22/2025	ND	1.93	96.7	2.00	4.64		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.98	99.2	2.00	3.91		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.17	103	6.00	3.72		
Total BTX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	05/23/2025	ND	416	104	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2025	ND	180	90.0	200	3.35	
DRO >C10-C28*	864	10.0	05/21/2025	ND	173	86.5	200	3.54	
EXT DRO >C28-C36	127	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 134 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 64 @ 4' (H253046-33)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2025	ND	1.74	87.0	2.00	4.06		
Toluene*	<0.050	0.050	05/22/2025	ND	1.93	96.7	2.00	4.64		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.98	99.2	2.00	3.91		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.17	103	6.00	3.72		
Total BTX	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	05/23/2025	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	05/21/2025	ND	180	90.0	200	3.35	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	173	86.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 94.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 97.9 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 65 @ 4' (H253046-34)**

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	05/22/2025	ND	1.74	87.0	2.00	4.06		
Toluene*	<0.050	0.050	05/22/2025	ND	1.93	96.7	2.00	4.64		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.98	99.2	2.00	3.91		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.17	103	6.00	3.72		
Total BTEX	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	05/23/2025	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	05/21/2025	ND	180	90.0	200	3.35	
DRO >C10-C28*	56.6	10.0	05/21/2025	ND	173	86.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 97.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 66 @ 4' (H253046-35)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2025	ND	1.74	87.0	2.00	4.06		
Toluene*	<0.050	0.050	05/22/2025	ND	1.93	96.7	2.00	4.64		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.98	99.2	2.00	3.91		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.17	103	6.00	3.72		
Total BTX	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8530	16.0	05/23/2025	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	05/21/2025	ND	180	90.0	200	3.35	
DRO >C10-C28*	25.4	10.0	05/21/2025	ND	173	86.5	200	3.54	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 97.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 67 @ 4' (H253046-36)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2025	ND	1.74	87.0	2.00	4.06		
Toluene*	<0.050	0.050	05/22/2025	ND	1.93	96.7	2.00	4.64		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.98	99.2	2.00	3.91		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.17	103	6.00	3.72		
Total BTX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3680	16.0	05/23/2025	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	05/21/2025	ND	180	90.0	200	3.35	
DRO >C10-C28*	234	10.0	05/21/2025	ND	173	86.5	200	3.54	
EXT DRO >C28-C36	36.5	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 99.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 112 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 68 @ 4' (H253046-37)**

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	05/22/2025	ND	1.74	87.0	2.00	4.06		
Toluene*	<0.050	0.050	05/22/2025	ND	1.93	96.7	2.00	4.64		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.98	99.2	2.00	3.91		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.17	103	6.00	3.72		
Total BTEX	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3680	16.0	05/23/2025	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	05/21/2025	ND	180	90.0	200	3.35	
DRO >C10-C28*	675	10.0	05/21/2025	ND	173	86.5	200	3.54	
EXT DRO >C28-C36	103	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 97.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 124 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 69 @ 4' (H253046-38)**

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	05/22/2025	ND	1.74	87.0	2.00	4.06	
Toluene*	<0.050	0.050	05/22/2025	ND	1.93	96.7	2.00	4.64	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.98	99.2	2.00	3.91	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.17	103	6.00	3.72	
Total BTEX	<0.300	0.300	05/22/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2120	16.0	05/23/2025	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	05/21/2025	ND	180	90.0	200	3.35	
DRO >C10-C28*	543	10.0	05/21/2025	ND	173	86.5	200	3.54	
EXT DRO >C28-C36	101	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 85.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 70 @ 4' (H253046-39)**

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	05/22/2025	ND	1.74	87.0	2.00	4.06		
Toluene*	<0.050	0.050	05/22/2025	ND	1.93	96.7	2.00	4.64		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.98	99.2	2.00	3.91		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.17	103	6.00	3.72		
Total BTEx	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	05/23/2025	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	05/21/2025	ND	180	90.0	200	3.35	
DRO >C10-C28*	3140	10.0	05/21/2025	ND	173	86.5	200	3.54	
EXT DRO >C28-C36	484	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 85.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 143 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 71 @ 4' (H253046-40)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2025	ND	1.74	87.0	2.00	4.06		
Toluene*	<0.050	0.050	05/22/2025	ND	1.93	96.7	2.00	4.64		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.98	99.2	2.00	3.91		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.17	103	6.00	3.72		
Total BTX	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7120	16.0	05/23/2025	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	05/21/2025	ND	180	90.0	200	3.35	
DRO >C10-C28*	443	10.0	05/21/2025	ND	173	86.5	200	3.54	
EXT DRO >C28-C36	72.3	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 89.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 107 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 72 @ 4' (H253046-41)**

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	05/22/2025	ND	1.74	87.0	2.00	4.06		
Toluene*	<0.050	0.050	05/22/2025	ND	1.93	96.7	2.00	4.64		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.98	99.2	2.00	3.91		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.17	103	6.00	3.72		
Total BTEX	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4000	16.0	05/23/2025	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	05/21/2025	ND	180	90.0	200	3.35	
DRO >C10-C28*	298	10.0	05/21/2025	ND	173	86.5	200	3.54	
EXT DRO >C28-C36	56.7	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 99.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 112 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 73 @ 4' (H253046-42)**

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	05/22/2025	ND	1.74	87.0	2.00	4.06		
Toluene*	<0.050	0.050	05/22/2025	ND	1.93	96.7	2.00	4.64		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.98	99.2	2.00	3.91		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.17	103	6.00	3.72		
Total BTEX	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4800	16.0	05/23/2025	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	05/22/2025	ND	180	90.0	200	3.35	
DRO >C10-C28*	623	10.0	05/22/2025	ND	173	86.5	200	3.54	
EXT DRO >C28-C36	87.8	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 86.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 115 % 40.6-153

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 74 @ 4' (H253046-43)**

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	05/22/2025	ND	1.93	96.6	2.00	1.77		
Toluene*	<0.050	0.050	05/22/2025	ND	2.10	105	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.02	101	2.00	2.34		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.06	101	6.00	2.00		
Total BTEx	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3920	16.0	05/23/2025	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	05/22/2025	ND	180	90.0	200	3.35	
DRO >C10-C28*	791	10.0	05/22/2025	ND	173	86.5	200	3.54	
EXT DRO >C28-C36	127	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 89.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 117 % 40.6-153

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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:**

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Received: 05/20/2025  
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 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 75 @ 4' (H253046-44)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2025	ND	1.93	96.6	2.00	1.77	
Toluene*	<0.050	0.050	05/22/2025	ND	2.10	105	2.00	3.03	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.02	101	2.00	2.34	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.06	101	6.00	2.00	
Total BTX	<0.300	0.300	05/22/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4720	16.0	05/23/2025	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	05/21/2025	ND	208	104	200	0.205	
DRO >C10-C28*	61.4	10.0	05/21/2025	ND	203	102	200	0.533	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 87.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 76 @ 4' (H253046-45)**

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	05/22/2025	ND	1.93	96.6	2.00	1.77	
Toluene*	<0.050	0.050	05/22/2025	ND	2.10	105	2.00	3.03	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.02	101	2.00	2.34	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.06	101	6.00	2.00	
Total BTEX	<0.300	0.300	05/22/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6080	16.0	05/23/2025	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	05/21/2025	ND	208	104	200	0.205	
DRO >C10-C28*	29.7	10.0	05/21/2025	ND	203	102	200	0.533	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 100 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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Received: 05/20/2025  
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 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 77 @ 4' (H253046-46)**

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	05/22/2025	ND	1.93	96.6	2.00	1.77		
Toluene*	<0.050	0.050	05/22/2025	ND	2.10	105	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.02	101	2.00	2.34		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.06	101	6.00	2.00		
Total BTEx	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6320	16.0	05/23/2025	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	05/21/2025	ND	208	104	200	0.205	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	203	102	200	0.533	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 78 @ 4' (H253046-47)**

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	05/22/2025	ND	1.93	96.6	2.00	1.77		
Toluene*	<0.050	0.050	05/22/2025	ND	2.10	105	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.02	101	2.00	2.34		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.06	101	6.00	2.00		
Total BTEx	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1140	16.0	05/23/2025	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	05/21/2025	ND	208	104	200	0.205	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	203	102	200	0.533	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 94.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.6 % 40.6-153

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 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 79 @ 4' (H253046-48)**

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	05/22/2025	ND	1.93	96.6	2.00	1.77		
Toluene*	<0.050	0.050	05/22/2025	ND	2.10	105	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.02	101	2.00	2.34		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.06	101	6.00	2.00		
Total BTEX	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6080	16.0	05/23/2025	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	05/22/2025	ND	208	104	200	0.205	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	203	102	200	0.533	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 40.6-153

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 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 80 @ 4' (H253046-49)**

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	05/22/2025	ND	1.93	96.6	2.00	1.77	
Toluene*	<0.050	0.050	05/22/2025	ND	2.10	105	2.00	3.03	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.02	101	2.00	2.34	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.06	101	6.00	2.00	
Total BTEX	<0.300	0.300	05/22/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1170	16.0	05/23/2025	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	05/22/2025	ND	208	104	200	0.205	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	203	102	200	0.533	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 81 @ 4' (H253046-50)**

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	05/22/2025	ND	1.93	96.6	2.00	1.77	
Toluene*	<0.050	0.050	05/22/2025	ND	2.10	105	2.00	3.03	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.02	101	2.00	2.34	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.06	101	6.00	2.00	
Total BTEX	<0.300	0.300	05/22/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	05/23/2025	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	05/22/2025	ND	208	104	200	0.205	
DRO >C10-C28*	201	10.0	05/22/2025	ND	203	102	200	0.533	
EXT DRO >C28-C36	56.5	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 116 % 40.6-153

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 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 82 @ 4' (H253046-51)**

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	05/22/2025	ND	1.93	96.6	2.00	1.77		
Toluene*	<0.050	0.050	05/22/2025	ND	2.10	105	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.02	101	2.00	2.34		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.06	101	6.00	2.00		
Total BTEX	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3080	16.0	05/23/2025	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	05/22/2025	ND	208	104	200	0.205	
DRO >C10-C28*	290	10.0	05/22/2025	ND	203	102	200	0.533	
EXT DRO >C28-C36	67.7	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 113 % 44.4-145

Surrogate: 1-Chlorooctadecane 121 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 83 @ 4' (H253046-52)**

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	05/22/2025	ND	1.93	96.6	2.00	1.77		
Toluene*	<0.050	0.050	05/22/2025	ND	2.10	105	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.02	101	2.00	2.34		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.06	101	6.00	2.00		
Total BTEX	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6960	16.0	05/23/2025	ND	432	108	400	7.69	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2025	ND	208	104	200	0.205	
DRO >C10-C28*	1240	10.0	05/22/2025	ND	203	102	200	0.533	
EXT DRO >C28-C36	320	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 111 % 44.4-145

Surrogate: 1-Chlorooctadecane 146 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 84 @ 4' (H253046-53)**

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	05/22/2025	ND	1.93	96.6	2.00	1.77	
Toluene*	<0.050	0.050	05/22/2025	ND	2.10	105	2.00	3.03	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.02	101	2.00	2.34	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.06	101	6.00	2.00	
Total BTEX	<0.300	0.300	05/22/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	05/23/2025	ND	432	108	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	05/22/2025	ND	208	104	200	0.205	
DRO >C10-C28*	1270	10.0	05/22/2025	ND	203	102	200	0.533	
EXT DRO >C28-C36	301	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 112 % 44.4-145

Surrogate: 1-Chlorooctadecane 145 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 85 @ 4' (H253046-54)**

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	05/22/2025	ND	1.93	96.6	2.00	1.77		
Toluene*	<0.050	0.050	05/22/2025	ND	2.10	105	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.02	101	2.00	2.34		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.06	101	6.00	2.00		
Total BTEX	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6560	16.0	05/23/2025	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	14.3	10.0	05/22/2025	ND	208	104	200	0.205	
DRO >C10-C28*	4040	10.0	05/22/2025	ND	203	102	200	0.533	
EXT DRO >C28-C36	811	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 156 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 86 @ 4' (H253046-55)**

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	05/22/2025	ND	1.93	96.6	2.00	1.77		
Toluene*	<0.050	0.050	05/22/2025	ND	2.10	105	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.02	101	2.00	2.34		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.06	101	6.00	2.00		
Total BTEx	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6880	16.0	05/23/2025	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2025	ND	208	104	200	0.205	
DRO >C10-C28*	2590	10.0	05/22/2025	ND	203	102	200	0.533	
EXT DRO >C28-C36	636	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 115 % 44.4-145

Surrogate: 1-Chlorooctadecane 200 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 87 @ 4' (H253046-56)**

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	05/22/2025	ND	1.93	96.6	2.00	1.77		
Toluene*	<0.050	0.050	05/22/2025	ND	2.10	105	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.02	101	2.00	2.34		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.06	101	6.00	2.00		
Total BTEx	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7280	16.0	05/23/2025	ND	432	108	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	05/22/2025	ND	208	104	200	0.205	
DRO >C10-C28*	957	10.0	05/22/2025	ND	203	102	200	0.533	
EXT DRO >C28-C36	248	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 112 % 44.4-145

Surrogate: 1-Chlorooctadecane 142 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 88 @ 4' (H253046-57)**

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	05/22/2025	ND	1.93	96.6	2.00	1.77		
Toluene*	<0.050	0.050	05/22/2025	ND	2.10	105	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.02	101	2.00	2.34		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.06	101	6.00	2.00		
Total BTEX	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3840	16.0	05/23/2025	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	27.9	10.0	05/22/2025	ND	208	104	200	0.205	
DRO >C10-C28*	7100	10.0	05/22/2025	ND	203	102	200	0.533	
EXT DRO >C28-C36	1180	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 120 % 44.4-145

Surrogate: 1-Chlorooctadecane 220 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 89 @ 4' (H253046-58)**

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	05/22/2025	ND	1.93	96.6	2.00	1.77		
Toluene*	<0.050	0.050	05/22/2025	ND	2.10	105	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.02	101	2.00	2.34		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.06	101	6.00	2.00		
Total BTEx	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5080	16.0	05/23/2025	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	18.4	10.0	05/22/2025	ND	208	104	200	0.205	
DRO >C10-C28*	3740	10.0	05/22/2025	ND	203	102	200	0.533	
EXT DRO >C28-C36	706	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 112 % 44.4-145

Surrogate: 1-Chlorooctadecane 159 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 90 @ 4' (H253046-59)**

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	05/22/2025	ND	1.93	96.6	2.00	1.77		
Toluene*	<0.050	0.050	05/22/2025	ND	2.10	105	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.02	101	2.00	2.34		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.06	101	6.00	2.00		
Total BTEX	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1170	16.0	05/23/2025	ND	432	108	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	05/22/2025	ND	208	104	200	0.205	
DRO >C10-C28*	411	10.0	05/22/2025	ND	203	102	200	0.533	
EXT DRO >C28-C36	109	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 115 % 44.4-145

Surrogate: 1-Chlorooctadecane 128 % 40.6-153

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 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 91 @ 4' (H253046-60)**

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	05/22/2025	ND	1.93	96.6	2.00	1.77		
Toluene*	<0.050	0.050	05/22/2025	ND	2.10	105	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.02	101	2.00	2.34		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.06	101	6.00	2.00		
Total BTEX	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1580	16.0	05/23/2025	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2025	ND	208	104	200	0.205	
DRO >C10-C28*	2760	10.0	05/22/2025	ND	203	102	200	0.533	
EXT DRO >C28-C36	599	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 112 % 44.4-145

Surrogate: 1-Chlorooctadecane 202 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 92 @ 4' (H253046-61)**

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	05/22/2025	ND	1.93	96.6	2.00	1.77		
Toluene*	<0.050	0.050	05/22/2025	ND	2.10	105	2.00	3.03		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.02	101	2.00	2.34		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.06	101	6.00	2.00		
Total BTEX	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2300	16.0	05/23/2025	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/22/2025	ND	208	104	200	0.205	
DRO >C10-C28*	3420	10.0	05/22/2025	ND	203	102	200	0.533	
EXT DRO >C28-C36	676	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 114 % 44.4-145

Surrogate: 1-Chlorooctadecane 163 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 93 @ 4' (H253046-62)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2025	ND	1.93	96.6	2.00	1.77	
Toluene*	<0.050	0.050	05/22/2025	ND	2.10	105	2.00	3.03	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	2.02	101	2.00	2.34	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	6.06	101	6.00	2.00	
Total BTX	<0.300	0.300	05/22/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1660	16.0	05/23/2025	ND	432	108	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	05/22/2025	ND	208	104	200	0.205	
DRO >C10-C28*	1160	10.0	05/22/2025	ND	203	102	200	0.533	
EXT DRO >C28-C36	294	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 138 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 94 @ 4' (H253046-63)**

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	05/22/2025	ND	1.91	95.7	2.00	2.55	
Toluene*	<0.050	0.050	05/22/2025	ND	2.07	103	2.00	0.962	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.91	95.3	2.00	11.0	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.67	94.5	6.00	11.8	
Total BTEX	<0.300	0.300	05/22/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	05/23/2025	ND	432	108	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	05/22/2025	ND	208	104	200	0.205	
DRO >C10-C28*	948	10.0	05/22/2025	ND	203	102	200	0.533	
EXT DRO >C28-C36	230	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 109 % 44.4-145

Surrogate: 1-Chlorooctadecane 132 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 95 @ 4' (H253046-64)**

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	05/22/2025	ND	1.91	95.7	2.00	2.55	
Toluene*	<0.050	0.050	05/22/2025	ND	2.07	103	2.00	0.962	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.91	95.3	2.00	11.0	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.67	94.5	6.00	11.8	
Total BTEX	<0.300	0.300	05/22/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1060	16.0	05/23/2025	ND	432	108	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	05/21/2025	ND	207	104	200	1.76	
DRO >C10-C28*	2080	10.0	05/21/2025	ND	199	99.5	200	2.69	QM-07
EXT DRO >C28-C36	379	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 133 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 96 @ 4' (H253046-65)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2025	ND	1.91	95.7	2.00	2.55	
Toluene*	<0.050	0.050	05/22/2025	ND	2.07	103	2.00	0.962	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.91	95.3	2.00	11.0	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.67	94.5	6.00	11.8	
Total BTX	<0.300	0.300	05/22/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3560	16.0	05/23/2025	ND	432	108	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	05/21/2025	ND	207	104	200	1.76	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	199	99.5	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 87.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.8 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 97 @ 4' (H253046-66)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/22/2025	ND	1.91	95.7	2.00	2.55	
Toluene*	<0.050	0.050	05/22/2025	ND	2.07	103	2.00	0.962	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.91	95.3	2.00	11.0	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.67	94.5	6.00	11.8	
Total BTX	<0.300	0.300	05/22/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3160	16.0	05/23/2025	ND	432	108	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	05/21/2025	ND	207	104	200	1.76	
DRO >C10-C28*	<10.0	10.0	05/21/2025	ND	199	99.5	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	05/21/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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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: 05/20/2025  
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 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 98 @ 4' (H253046-67)**

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	05/22/2025	ND	1.91	95.7	2.00	2.55		
Toluene*	<0.050	0.050	05/22/2025	ND	2.07	103	2.00	0.962		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.91	95.3	2.00	11.0		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.67	94.5	6.00	11.8		
Total BTEx	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5040	16.0	05/23/2025	ND	432	108	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	05/22/2025	ND	207	104	200	1.76	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	199	99.5	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 99 @ 4' (H253046-68)**

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	05/22/2025	ND	1.91	95.7	2.00	2.55	
Toluene*	<0.050	0.050	05/22/2025	ND	2.07	103	2.00	0.962	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.91	95.3	2.00	11.0	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.67	94.5	6.00	11.8	
Total BTEx	<0.300	0.300	05/22/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1780	16.0	05/23/2025	ND	432	108	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	05/22/2025	ND	207	104	200	1.76	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	199	99.5	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 98.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 101 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 100 @ 4' (H253046-69)**

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	05/22/2025	ND	1.91	95.7	2.00	2.55		
Toluene*	<0.050	0.050	05/22/2025	ND	2.07	103	2.00	0.962		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.91	95.3	2.00	11.0		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.67	94.5	6.00	11.8		
Total BTEx	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7680	16.0	05/23/2025	ND	432	108	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	05/22/2025	ND	207	104	200	1.76	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	199	99.5	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 95.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.6 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 101 @ 4' (H253046-70)**

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	05/22/2025	ND	1.91	95.7	2.00	2.55		
Toluene*	<0.050	0.050	05/22/2025	ND	2.07	103	2.00	0.962		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.91	95.3	2.00	11.0		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.67	94.5	6.00	11.8		
Total BTEX	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5600	16.0	05/23/2025	ND	432	108	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	05/22/2025	ND	207	104	200	1.76	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	199	99.5	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 102 @ 4' (H253046-71)**

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	05/22/2025	ND	1.91	95.7	2.00	2.55		
Toluene*	<0.050	0.050	05/22/2025	ND	2.07	103	2.00	0.962		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.91	95.3	2.00	11.0		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.67	94.5	6.00	11.8		
Total BTEX	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3240	16.0	05/23/2025	ND	432	108	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	05/22/2025	ND	207	104	200	1.76	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	199	99.5	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 107 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 103 @ 4' (H253046-72)**

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	05/22/2025	ND	1.91	95.7	2.00	2.55	
Toluene*	<0.050	0.050	05/22/2025	ND	2.07	103	2.00	0.962	
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.91	95.3	2.00	11.0	
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.67	94.5	6.00	11.8	
Total BTEX	<0.300	0.300	05/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	2120	16.0	05/22/2025	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	05/22/2025	ND	207	104	200	1.76	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	199	99.5	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 104 @ 4' (H253046-73)**

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	05/22/2025	ND	1.91	95.7	2.00	2.55		
Toluene*	<0.050	0.050	05/22/2025	ND	2.07	103	2.00	0.962		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.91	95.3	2.00	11.0		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.67	94.5	6.00	11.8		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	8080	16.0	05/22/2025	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	05/22/2025	ND	207	104	200	1.76	
DRO >C10-C28*	277	10.0	05/22/2025	ND	199	99.5	200	2.69	
EXT DRO >C28-C36	52.4	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 99.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 105 @ 4' (H253046-74)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2025	ND	1.91	95.7	2.00	2.55		
Toluene*	<0.050	0.050	05/22/2025	ND	2.07	103	2.00	0.962		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.91	95.3	2.00	11.0		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.67	94.5	6.00	11.8		
Total BTEx	<0.300	0.300	05/22/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2760	16.0	05/22/2025	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	05/22/2025	ND	207	104	200	1.76	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	199	99.5	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: W 43 (H253046-75)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2025	ND	1.91	95.7	2.00	2.55		
Toluene*	<0.050	0.050	05/22/2025	ND	2.07	103	2.00	0.962		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.91	95.3	2.00	11.0		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.67	94.5	6.00	11.8		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	224	16.0	05/22/2025	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	05/22/2025	ND	207	104	200	1.76	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	199	99.5	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: W 44 (H253046-76)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2025	ND	1.91	95.7	2.00	2.55		
Toluene*	<0.050	0.050	05/22/2025	ND	2.07	103	2.00	0.962		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.91	95.3	2.00	11.0		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.67	94.5	6.00	11.8		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	224	16.0	05/22/2025	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	05/22/2025	ND	207	104	200	1.76	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	199	99.5	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

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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: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: W 45 (H253046-77)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2025	ND	1.91	95.7	2.00	2.55		
Toluene*	<0.050	0.050	05/22/2025	ND	2.07	103	2.00	0.962		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.91	95.3	2.00	11.0		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.67	94.5	6.00	11.8		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	192	16.0	05/22/2025	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	05/22/2025	ND	207	104	200	1.76	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	199	99.5	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: W 46 (H253046-78)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2025	ND	1.91	95.7	2.00	2.55		
Toluene*	<0.050	0.050	05/22/2025	ND	2.07	103	2.00	0.962		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.91	95.3	2.00	11.0		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.67	94.5	6.00	11.8		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	288	16.0	05/22/2025	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	05/22/2025	ND	207	104	200	1.76	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	199	99.5	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 05/20/2025  
 Reported: 05/27/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 05/19/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: W 47 (H253046-79)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/22/2025	ND	1.91	95.7	2.00	2.55		
Toluene*	<0.050	0.050	05/22/2025	ND	2.07	103	2.00	0.962		
Ethylbenzene*	<0.050	0.050	05/22/2025	ND	1.91	95.3	2.00	11.0		
Total Xylenes*	<0.150	0.150	05/22/2025	ND	5.67	94.5	6.00	11.8		
Total BTEX	<0.300	0.300	05/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	288	16.0	05/22/2025	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	05/22/2025	ND	207	104	200	1.76	
DRO >C10-C28*	<10.0	10.0	05/22/2025	ND	199	99.5	200	2.69	
EXT DRO >C28-C36	<10.0	10.0	05/22/2025	ND					

Surrogate: 1-Chlorooctane 98.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 95.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 8

Page 82 of 89

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																		
Project Manager: Joel Lowry				P.O. #:				Chloride	TPH (8015M)	BTEX (8021B)																
Address: 2617 West Marland				Company: Permian Resources																						
City: Hobbs State: NM Zip: 88240				Attn: Montgomery Floyd																						
Phone #: (575) 264-9884 Fax #:				Address:																						
Project #: 21343 Project Owner: Permian Resources Operating				City:																						
Project Name: Whitten SWD ROW				State: Zip:																						
Project Location: 32.574814, -103.536446				Phone #:																						
Sampler Name: Addison Elston				Fax #:																						
FOR LAB USE ONLY				MATRIX				PRESERV.		SAMPLING																
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME												
H253046																										
1	FL 32 @ 4'	C	1			X				X			5/19/25		X	X	X									
2	FL 33 @ 4'	C	1			X				X			5/19/25		X	X	X									
3	FL 34 @ 4'	C	1			X				X			5/19/25		X	X	X									
4	FL 35 @ 4'	C	1			X				X			5/19/25		X	X	X									
5	FL 36 @ 4'	C	1			X				X			5/19/25		X	X	X									
6	FL 37 @ 4'	C	1			X				X			5/19/25		X	X	X									
7	FL 38 @ 4'	C	1			X				X			5/19/25		X	X	X									
8	FL 39 @ 4'	C	1			X				X			5/19/25		X	X	X									
9	FL 40 @ 4'	C	1			X				X			5/19/25		X	X	X									
10	FL 41 @ 4'	C	1			X				X			5/19/25		X	X	X									

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Relinquished By: <i>Matt</i>		Date: <i>5-20-25</i>	Received By: <i>S. Rodriguez</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:
		Time: <i>1444</i>			All Results are emailed. Please provide Email address: <a href="mailto:gm@etechenv.com">gm@etechenv.com</a>
Relinquished By:		Date:	Received By:		REMARKS:
		Time:			
Delivered By: (Circle One)	Observed Temp. °C <i>-12.0</i>	Sample Condition	CHECKED BY: (Initials) <i>SR</i>	Turnaround Time: <b>Standard</b> <input checked="" type="checkbox"/> <b>Rush</b> <input type="checkbox"/>	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C <i>-11.7</i>	Cool <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		Thermometer ID #140	Cool <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
				Correction Factor <i>-0.6</i>	Observed Temp. °C
					Corrected Temp. °C



101 East Marland, Hobbs, NM 88240  
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Page 2 of 8

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																		
Project Manager: Joel Lowry				P.O. #:				Chloride	TPH (8015M)	BTEX (8021B)																
Address: 2617 West Marland				Company: Permian Resources																						
City: Hobbs State: NM Zip: 88240				Attn: Montgomery Floyd																						
Phone #: (575) 264-9884 Fax #:				Address:																						
Project #: 21343 Project Owner: Permian Resources Operating				City:																						
Project Name: Whitten SWD ROW				State: Zip:																						
Project Location: 32.574814, -103.536446				Phone #:																						
Sampler Name: Addison Elston				Fax #:																						
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																
Lab I.D.	Sample I.D.	(GRAB OR C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME												
H253046																										
11	FL 42 @ 4'	C	1			X					X		5/19/25		X	X	X									
12	FL 43 @ 4'	C	1			X					X		5/19/25		X	X	X									
13	FL 44 @ 4'	C	1			X					X		5/19/25		X	X	X									
14	FL 45 @ 4'	C	1			X					X		5/19/25		X	X	X									
15	FL 46 @ 4'	C	1			X					X		5/19/25		X	X	X									
16	FL 47 @ 4'	C	1			X					X		5/19/25		X	X	X									
17	FL 48 @ 4'	C	1			X					X		5/19/25		X	X	X									
18	FL 49 @ 4'	C	1			X					X		5/19/25		X	X	X									
19	FL 50 @ 4'	C	1			X					X		5/19/25		X	X	X									
20	FL 51 @ 4'	C	1			X					X		5/19/25		X	X	X									

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Relinquished By: <i>Matt</i>		Date: <i>5-20-25</i>	Received By: <i>Spodkigney</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:	
		Time: <i>1444</i>			All Results are emailed. Please provide Email address: <a href="mailto:pm@etechenv.com">pm@etechenv.com</a>	
Relinquished By:		Date:	Received By:		REMARKS:	
		Time:				
Delivered By: (Circle One)	Observed Temp. °C <i>-12.0</i>	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard <input checked="" type="checkbox"/> <i>Rush</i>	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C <i>-11.7</i>	Cool <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	<i>SP</i>	Thermometer ID #140		Cool <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No
				Correction Factor <i>-0.5°C</i>	<i>+0.3</i>	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

Page 3 of 8

Company Name: Etech Environmental & Safety Solutions, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>													
Project Manager: Joel Lowry				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH (8015M)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX (8021B)</div> </div>													
Address: 2617 West Marland				Company: Permian Resources																	
City: Hobbs		State: NM		Zip: 88240		Attn: Montgomery Floyd															
Phone #: (575) 264-9884		Fax #:		Address:		City:															
Project #: 21343		Project Owner: Permian Resources Oper		State:		Zip:															
Project Name: Whitten SWD ROW		Phone #:		Fax #:																	
Project Location: 32.574814, -103.536446																					
Sampler Name: Addison Elston																					
FOR LAB USE ONLY																					
Lab I.D.		Sample I.D.		(GRAB OR (COMP. # CONTAINERS		MATRIX		PRESERV.		SAMPLING											
						GROUNDWATER															
						WASTEWATER															
						SOIL															
						OIL															
						SLUDGE															
						OTHER:															
						ACID/BASE:															
						ICE / COOL															
						OTHER:															
								DATE		TIME											
H253046		21 FL 52 @ 4'		C 1																	
22		FL 53 @ 4'		C 1																	
23		FL 54 @ 4'		C 1																	
24		FL 55 @ 4'		C 1																	
25		FL 56 @ 4'		C 1																	
26		FL 57 @ 4'		C 1																	
27		FL 58 @ 4'		C 1																	
28		FL 59 @ 4'		C 1																	
29		FL 60 @ 4'		C 1																	
30		FL 61 @ 4'		C 1																	

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Relinquished By: <i>Mth</i>		Date: 5-20-25		Received By: <i>S. Rodriguez</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
		Time: 1444				All Results are emailed. Please provide Email address: <a href="mailto:pm@etechenv.com">pm@etechenv.com</a>	
Relinquished By:		Date:		Received By:		REMARKS:	
		Time:					
Delivered By: (Circle One)		Observed Temp. °C -12.0		Sample Condition Cool Intact		CHECKED BY: (Initials) <i>SE</i>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C -11.72		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
						Thermometer ID #140 Correction Factor -0.6°C +0.3°C	
						Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	
						<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C	



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

Page 4 of 8

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																		
Project Manager: Joel Lowry				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																		
Address: 2617 West Marland				Company: Permian Resources																						
City: Hobbs State: NM Zip: 88240				Attn: Montgomery Floyd																						
Phone #: (575) 264-9884 Fax #:				Address:																						
Project #: 21343 Project Owner: Permian Resources Operating				City:																						
Project Name: Whitten SWD ROW				State: Zip:																						
Project Location: 32.574814, -103.536446				Phone #:																						
Sampler Name: Addison Elston				Fax #:																						
FOR LAB USE ONLY				MATRIX				PRESERV.		SAMPLING																
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME												
H253046																										
31	FL 62 @ 4'	C	1			X					X		5/19/25		X	X	X									
32	FL 63 @ 4'	C	1			X					X		5/19/25		X	X	X									
33	FL 64 @ 4'	C	1			X					X		5/19/25		X	X	X									
34	FL 65 @ 4'	C	1			X					X		5/19/25		X	X	X									
35	FL 66 @ 4'	C	1			X					X		5/19/25		X	X	X									
36	FL 67 @ 4'	C	1			X					X		5/19/25		X	X	X									
37	FL 68 @ 4'	C	1			X					X		5/19/25		X	X	X									
38	FL 69 @ 4'	C	1			X					X		5/19/25		X	X	X									
39	FL 70 @ 4'	C	1			X					X		5/19/25		X	X	X									
40	FL 71 @ 4'	C	1			X					X		5/19/25		X	X	X									

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Relinquished By: <i>Matt</i>		Date: <i>5-20-25</i> Time: <i>1444</i>	Received By: <i>Spoodrigney</i>		Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   Add'l Phone #: All Results are emailed. Please provide Email address: <a href="mailto:pm@etechenv.com">pm@etechenv.com</a>	
Relinquished By:		Date: Time:	Received By:		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: <i>-12.0</i> Corrected Temp. °C: <i>-11.7</i>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <i>SR</i>	Turnaround Time: <b>Standard</b> <input checked="" type="checkbox"/> <b>Rush</b> <input type="checkbox"/> Thermometer ID #140 Correction Factor <i>-0.6</i> <i>+0.3</i>	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C



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[illegible]

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Relinquished By: <i>Matt</i>		Date: <i>5-20-25</i> Time: <i>1444</i>		Received By: <i>Spodeigny</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address: <a href="mailto:pm@etechenv.com">pm@etechenv.com</a>	
Relinquished By:		Date: Time:		Received By:		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C <i>-12.0</i> Corrected Temp. °C <i>-11.7</i>		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		CHECKED BY: (Initials) <i>SP</i>	
				Turnaround Time: <b>Standard</b> <input checked="" type="checkbox"/> <b>Rush</b> <input type="checkbox"/>		Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C	
				Thermometer ID #140 Correction Factor <i>-0.6°C</i> <i>+0.3°C</i>			



101 East Marland, Hobbs, NM 88240  
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Company Name: Etech Environmental & Safety Solutions, Inc.										BILL TO		ANALYSIS REQUEST												
Project Manager: Joel Lowry										P.O. #:		Chloride	TPH (8015M)	BTEX (8021B)										
Address: 2617 West Marland										Company: Permian Resources														
City: Hobbs State: NM Zip: 88240										Attn: Montgomery Floyd														
Phone #: (575) 264-9884 Fax #:										Address:														
Project #: 21343 Project Owner: Permian Resources Oper										City:														
Project Name: Whitten SWD ROW										State: Zip:														
Project Location: 32.574814, -103.536446										Phone #:														
Sampler Name: Addison Elston										Fax #:														
FOR LAB USE ONLY										PRESERV.		SAMPLING												
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME											
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :															
4253046																								
51	FL 82 @ 4'	C	1			X				X		5/19/25			X	X	X							
52	FL 83 @ 4'	C	1			X				X		5/19/25			X	X	X							
53	FL 84 @ 4'	C	1			X				X		5/19/25			X	X	X							
54	FL 85 @ 4'	C	1			X				X		5/19/25			X	X	X							
55	FL 86 @ 4'	C	1			X				X		5/19/25			X	X	X							
56	FL 87 @ 4'	C	1			X				X		5/19/25			X	X	X							
57	FL 88 @ 4'	C	1			X				X		5/19/25			X	X	X							
58	FL 89 @ 4'	C	1			X				X		5/19/25			X	X	X							
59	FL 90 @ 4'	C	1			X				X		5/19/25			X	X	X							
60	FL 91 @ 4'	C	1			X				X		5/19/25			X	X	X							

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Relinquished By: <i>Matt</i>		Date: <i>5-20-25</i>	Received By: <i>Spock Kigney</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
		Time: <i>1444</i>		All Results are emailed. Please provide Email address: <a href="mailto:pm@etechnv.com">pm@etechnv.com</a>	
Relinquished By:		Date:	Received By:	REMARKS:	
		Time:			
Delivered By: (Circle One)	Observed Temp. °C <i>-12.0</i>	Sample Condition	CHECKED BY: (Initials)	Turnaround Time: <b>Standard</b> <input checked="" type="checkbox"/> <b>Rush</b> <input type="checkbox"/>	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C <i>-11.7</i>	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>SK</i>	Thermometer ID #140 Correction Factor <i>-0.6</i> °C	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
		<input type="checkbox"/> Yes <input type="checkbox"/> No			Observed Temp. °C Corrected Temp. °C



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Page 7 of 8

Company Name: Etech Environmental & Safety Solutions, Inc.										BILL TO			ANALYSIS REQUEST										
Project Manager: Joel Lowry										P.O. #:			Chloride	TPH (8015M)	BTEX (8021B)								
Address: 2617 West Marland										Company: Permian Resources													
City: Hobbs State: NM Zip: 88240										Attn: Montgomery Floyd													
Phone #: (575) 264-9884 Fax #:										Address:													
Project #: 21343 Project Owner: Permian Resources Operating										City:													
Project Name: Whitten SWD ROW										State: Zip:													
Project Location: 32.574814, -103.536446										Phone #:													
Sampler Name: Addison Elston										Fax #:													
FOR LAB USE ONLY										MATRIX			PRESERV.			SAMPLING							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME									
H253046	61 FL 92 @ 4'	C	1			X					X		5/19/25										
62	FL 93 @ 4'	C	1			X					X		5/19/25										
63	FL 94 @ 4'	C	1			X					X		5/19/25										
64	FL 95 @ 4'	C	1			X					X		5/19/25										
65	FL 96 @ 4'	C	1			X					X		5/19/25										
66	FL 97 @ 4'	C	1			X					X		5/19/25										
67	FL 98 @ 4'	C	1			X					X		5/19/25										
68	FL 99 @ 4'	C	1			X					X		5/19/25										
69	FL 100 @ 4'	C	1			X					X		5/19/25										
70	FL 101 @ 4'	C	1			X					X		5/19/25										

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Relinquished By: <i>Matt Ma</i>		Date: <i>5-20-25</i> Time: <i>1444</i>		Received By: <i>S. Fackelmeier</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:		All Results are emailed. Please provide Email address: <a href="mailto:pm@etechnv.com">pm@etechnv.com</a>	
Relinquished By:		Date:		Received By:		REMARKS:			
		Time:							
Delivered By: (Circle One)		Observed Temp. °C <i>-12.0</i>		Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		CHECKED BY: (Initials) <i>RF</i>		Turnaround Time: <b>Standard</b> <input checked="" type="checkbox"/> <b>Rush</b> <input type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <i>-11.7</i>				Thermometer ID #140		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	
						Correction Factor <i>-0.6</i> <b>+0.3</b>		<input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C	





# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Page 8 of 8

<b>Company Name:</b> Etech Environmental & Safety Solutions, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>													
<b>Project Manager:</b> Joel Lowry				<b>P.O. #:</b>				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>													
<b>Address:</b> 2617 West Marland				<b>Company:</b> Permian Resources																	
<b>City:</b> Hobbs <b>State:</b> NM <b>Zip:</b> 88240				<b>Attn:</b> Montgomery Floyd																	
<b>Phone #:</b> (575) 264-9884 <b>Fax #:</b>				<b>Address:</b>																	
<b>Project #:</b> 21343 <b>Project Owner:</b> Permian Resources Oper				<b>City:</b>																	
<b>Project Name:</b> Whitten SWD ROW				<b>State:</b> <b>Zip:</b>																	
<b>Project Location:</b> 32.574814, -103.536446				<b>Phone #:</b>																	
<b>Sampler Name:</b> Addison Elston				<b>Fax #:</b>																	
<b>FOR LAB USE ONLY</b>		<b>Lab I.D.</b>		<b>Sample I.D.</b>		<b>(G)RAB OR (C)OMP.</b>		<b># CONTAINERS</b>		<b>MATRIX</b>				<b>PRESERV.</b>		<b>SAMPLING</b>					
										GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				ACID/BASE: ICE / COOL OTHER:		DATE		TIME			
H253046		71		FL 102 @ 4'		C 1				X				X		5/19/25				X X X	
		72		FL 103 @ 4'		C 1				X				X		5/19/25				X X X	
		73		FL 104 @ 4'		C 1				X				X		5/19/25				X X X	
		74		FL 105 @ 4'		C 1				X				X		5/19/25				X X X	
		75		W 43		C 1				X				X		5/19/25				X X X	
		76		W 44		C 1				X				X		5/19/25				X X X	
		77		W 45		C 1				X				X		5/19/25				X X X	
		78		W 46		C 1				X				X		5/19/25				X X X	
		79		W 47		C 1				X				X		5/19/25				X X X	

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<b>Relinquished By:</b> <i>Math</i>		<b>Date:</b> 5-20-25 <b>Time:</b> 1444		<b>Received By:</b> <i>Spodkigney</i>		<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b>	
<b>Relinquished By:</b>		<b>Date:</b>		<b>Received By:</b>		<b>REMARKS:</b>	
<b>Delivered By: (Circle One)</b> Sampler - UPS - Bus - Other:		<b>Observed Temp. °C</b> 12.0 <b>Corrected Temp. °C</b> 11.7		<b>Sample Condition</b> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>CHECKED BY:</b> (Initials) <i>SK</i>	
						<b>Turnaround Time:</b> Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
						<b>Bacteria (only) Sample Condition</b> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
						<b>Thermometer ID</b> #140 <b>Correction Factor</b> -0.6°C TO 3.1	



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

June 10, 2025

JOEL LOWRY

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: WHITTEN SWD ROW

Enclosed are the results of analyses for samples received by the laboratory on 06/04/25 14:25.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	06/04/2025	Sampling Date:	06/04/2025
Reported:	06/10/2025	Sampling Type:	Soil
Project Name:	WHITTEN SWD ROW	Sampling Condition:	Cool & Intact
Project Number:	21343	Sample Received By:	Tamara Oldaker
Project Location:	PERMIAN 32.574814-103.536446		

**Sample ID: W 12 (H253336-01)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/05/2025	ND	1.58	79.2	2.00	12.9	
Toluene*	<0.050	0.050	06/05/2025	ND	1.69	84.7	2.00	11.7	
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	1.69	84.4	2.00	11.6	
Total Xylenes*	<0.150	0.150	06/05/2025	ND	5.29	88.2	6.00	10.1	
Total BTEX	<0.300	0.300	06/05/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/05/2025	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	06/04/2025	ND	176	88.0	200	2.20	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	206	103	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 112 % 40.6-153

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: 06/04/2025  
 Reported: 06/10/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 06/04/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: W 15 (H253336-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2025	ND	1.58	79.2	2.00	12.9		
Toluene*	<0.050	0.050	06/05/2025	ND	1.69	84.7	2.00	11.7		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	1.69	84.4	2.00	11.6		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	5.29	88.2	6.00	10.1		
Total BTEX	<0.300	0.300	06/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/05/2025	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	06/04/2025	ND	176	88.0	200	2.20	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	206	103	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 114 % 44.4-145

Surrogate: 1-Chlorooctadecane 120 % 40.6-153

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: 06/04/2025  
 Reported: 06/10/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 06/04/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: W 32 (H253336-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2025	ND	1.58	79.2	2.00	12.9		
Toluene*	<0.050	0.050	06/05/2025	ND	1.69	84.7	2.00	11.7		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	1.69	84.4	2.00	11.6		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	5.29	88.2	6.00	10.1		
Total BTEX	<0.300	0.300	06/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/05/2025	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	06/04/2025	ND	176	88.0	200	2.20	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	206	103	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 93.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.0 % 40.6-153

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: 06/04/2025  
 Reported: 06/10/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 06/04/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: W 33 (H253336-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2025	ND	1.58	79.2	2.00	12.9		
Toluene*	<0.050	0.050	06/05/2025	ND	1.69	84.7	2.00	11.7		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	1.69	84.4	2.00	11.6		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	5.29	88.2	6.00	10.1		
Total BTEX	<0.300	0.300	06/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/05/2025	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	06/04/2025	ND	176	88.0	200	2.20	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	206	103	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/04/2025  
 Reported: 06/10/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 06/04/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: W 34 (H253336-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2025	ND	1.58	79.2	2.00	12.9		
Toluene*	<0.050	0.050	06/05/2025	ND	1.69	84.7	2.00	11.7		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	1.69	84.4	2.00	11.6		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	5.29	88.2	6.00	10.1		
Total BTEx	<0.300	0.300	06/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/05/2025	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	06/04/2025	ND	176	88.0	200	2.20	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	206	103	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 98.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/04/2025  
 Reported: 06/10/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 06/04/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: W 35 (H253336-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2025	ND	1.58	79.2	2.00	12.9		
Toluene*	<0.050	0.050	06/05/2025	ND	1.69	84.7	2.00	11.7		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	1.69	84.4	2.00	11.6		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	5.29	88.2	6.00	10.1		
Total BTEX	<0.300	0.300	06/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/05/2025	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	06/04/2025	ND	176	88.0	200	2.20	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	206	103	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 111 % 44.4-145

Surrogate: 1-Chlorooctadecane 115 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 06/04/2025  
 Reported: 06/10/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 06/04/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: W 37 (H253336-07)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2025	ND	1.58	79.2	2.00	12.9		
Toluene*	<0.050	0.050	06/05/2025	ND	1.69	84.7	2.00	11.7		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	1.69	84.4	2.00	11.6		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	5.29	88.2	6.00	10.1		
Total BTEX	<0.300	0.300	06/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/05/2025	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	06/04/2025	ND	176	88.0	200	2.20	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	206	103	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 112 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/04/2025  
 Reported: 06/10/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 06/04/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: W 40 (H253336-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2025	ND	1.58	79.2	2.00	12.9		
Toluene*	<0.050	0.050	06/05/2025	ND	1.69	84.7	2.00	11.7		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	1.69	84.4	2.00	11.6		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	5.29	88.2	6.00	10.1		
Total BTEx	<0.300	0.300	06/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/05/2025	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	06/04/2025	ND	176	88.0	200	2.20	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	206	103	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 107 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/04/2025  
 Reported: 06/10/2025  
 Project Name: WHITTEN SWD ROW  
 Project Number: 21343  
 Project Location: PERMIAN 32.574814-103.536446

Sampling Date: 06/04/2025  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: W 42 (H253336-09)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/05/2025	ND	1.58	79.2	2.00	12.9		
Toluene*	<0.050	0.050	06/05/2025	ND	1.69	84.7	2.00	11.7		
Ethylbenzene*	<0.050	0.050	06/05/2025	ND	1.69	84.4	2.00	11.6		
Total Xylenes*	<0.150	0.150	06/05/2025	ND	5.29	88.2	6.00	10.1		
Total BTEX	<0.300	0.300	06/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/05/2025	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	06/04/2025	ND	176	88.0	200	2.20	
DRO >C10-C28*	<10.0	10.0	06/04/2025	ND	206	103	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	06/04/2025	ND					

Surrogate: 1-Chlorooctane 97.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



---

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---

### Notes and Definitions

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

---

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

---

Celey D. Keene, Lab Director/Quality Manager

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

Page 1 of 1

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Relinquished By: <i>Matt Ma</i>		Date: <i>6-4-25</i>	Received By: <i>[Signature]</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:
		Time: <i>7:45</i>		All Results are emailed. Please provide Email address: <a href="mailto:pm@etechenv.com">pm@etechenv.com</a>
Relinquished By:		Date:	Received By:	REMARKS:
				<b>24H Rush - RUSH TPH ONLY. Bill analytical charges to Permian Resources C/O Montgomery Floyd and rush charges to Etech C/O Joel Lowry.</b>
		Time:		
Delivered By: (Circle One)		Observed Temp. °C <i>-2.8</i>	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	CHECKED BY: (Initials) <i>[Signature]</i>
Sampler - UPS - Bus - Other:		Corrected Temp. °C <i>-2.5</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Turnaround Time: <b>Standard</b> <input type="checkbox"/> <b>Rush</b> <input checked="" type="checkbox"/> Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C
				Thermometer ID #140 Correction Factor <i>-0.6°C +0.3°C</i>



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

---

June 10, 2025

JOEL LOWRY

Etech Environmental &amp; Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: WHITTEN SWD ROW

Enclosed are the results of analyses for samples received by the laboratory on 06/04/25 14:29.

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/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FL 7B	H253337-01	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 8B	H253337-02	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 11B	H253337-03	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 12B	H253337-04	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 13B	H253337-05	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 14B	H253337-06	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 15B	H253337-07	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 17B	H253337-08	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 22B	H253337-09	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 24B	H253337-10	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 25B	H253337-11	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 27B	H253337-12	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 28B	H253337-13	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 31B	H253337-14	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 32B	H253337-15	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 33B	H253337-16	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 34B	H253337-17	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 35B	H253337-18	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 36B	H253337-19	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 37B	H253337-20	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 38B	H253337-21	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 39B	H253337-22	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 40B	H253337-23	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 41B	H253337-24	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 42B	H253337-25	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 43B	H253337-26	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 44B	H253337-27	Soil	03-Jun-25 00:00	04-Jun-25 14:29

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

FL 45B	H253337-28	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 46B	H253337-29	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 50B	H253337-30	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 53B	H253337-31	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 56B	H253337-32	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 57B	H253337-33	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 70B	H253337-34	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 83B	H253337-35	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 84B	H253337-36	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 85B	H253337-37	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 86B	H253337-38	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 88B	H253337-39	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 89B	H253337-40	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 91B	H253337-41	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 92B	H253337-42	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 93B	H253337-43	Soil	03-Jun-25 00:00	04-Jun-25 14:29
FL 95B	H253337-44	Soil	03-Jun-25 00:00	04-Jun-25 14:29

06/10/25 - Client changed the sample IDs on all samples (see COC). This is the completed, revised report and will replace the one sent on 06/05/25.

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 7B**  
**H253337-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>1390</b>		16.0	mg/kg	4	5060507	AC	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5060423	JH	05-Jun-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		113 %		71.5-134	5060423	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	

Surrogate: 1-Chlorooctane		105 %		44.4-145	5060426	MS	04-Jun-25	8015B	
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Surrogate: 1-Chlorooctadecane		108 %		40.6-153	5060426	MS	04-Jun-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 8B**  
**H253337-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>1440</b>		16.0	mg/kg	4	5060507	AC	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060423	JH	05-Jun-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			113 %		71.5-134	5060423	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	
DRO >C10-C28*	<b>10.5</b>		10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	

Surrogate: 1-Chlorooctane			95.1 %		44.4-145	5060426	MS	04-Jun-25	8015B	
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Surrogate: 1-Chlorooctadecane			100 %		40.6-153	5060426	MS	04-Jun-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 11B**  
**H253337-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>1520</b>		16.0	mg/kg	4	5060507	AC	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060423	JH	05-Jun-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			114 %		71.5-134	5060423	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			99.0 %		44.4-145	5060426	MS	04-Jun-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			103 %		40.6-153	5060426	MS	04-Jun-25	8015B	
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 12B**  
**H253337-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>1710</b>		16.0	mg/kg	4	5060507	AC	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060423	JH	05-Jun-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %	71.5-134		5060423	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	
<b>DRO &gt;C10-C28*</b>	<b>10.8</b>		10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	

Surrogate: 1-Chlorooctane			100 %	44.4-145		5060426	MS	04-Jun-25	8015B	
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Surrogate: 1-Chlorooctadecane			103 %	40.6-153		5060426	MS	04-Jun-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 13B**  
**H253337-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>1680</b>		16.0	mg/kg	4	5060507	AC	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5060423	JH	05-Jun-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		114 %		71.5-134	5060423	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	

Surrogate: 1-Chlorooctane		102 %		44.4-145	5060426	MS	04-Jun-25	8015B	
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Surrogate: 1-Chlorooctadecane		108 %		40.6-153	5060426	MS	04-Jun-25	8015B	
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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  
2617 W MARLAND  
HOBBS NM, 88240

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 14B**  
**H253337-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>1680</b>		16.0	mg/kg	4	5060507	AC	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060423	JH	05-Jun-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			112 %		71.5-134	5060423	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			103 %		44.4-145	5060426	MS	04-Jun-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			107 %		40.6-153	5060426	MS	04-Jun-25	8015B	
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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  
2617 W MARLAND  
HOBBS NM, 88240

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 15B**  
**H253337-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>1620</b>		16.0	mg/kg	4	5060507	AC	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060423	JH	05-Jun-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			113 %	71.5-134		5060423	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			102 %	44.4-145		5060426	MS	04-Jun-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			105 %	40.6-153		5060426	MS	04-Jun-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 17B**  
**H253337-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>1890</b>		16.0	mg/kg	4	5060507	AC	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060423	JH	05-Jun-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			112 %		71.5-134	5060423	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			94.2 %		44.4-145	5060426	MS	04-Jun-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			96.3 %		40.6-153	5060426	MS	04-Jun-25	8015B	
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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  
2617 W MARLAND  
HOBBS NM, 88240

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 22B**  
**H253337-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>1340</b>		16.0	mg/kg	4	5060507	AC	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060423	JH	05-Jun-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			114 %		71.5-134	5060423	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			101 %		44.4-145	5060426	MS	04-Jun-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			104 %		40.6-153	5060426	MS	04-Jun-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 24B**  
**H253337-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>1600</b>		16.0	mg/kg	4	5060514	HM	05-Jun-25	4500-Cl-B	QM-07
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060423	JH	05-Jun-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134 5060423 JH 05-Jun-25 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	

Surrogate: 1-Chlorooctane 90.2 % 44.4-145 5060426 MS 04-Jun-25 8015B

Surrogate: 1-Chlorooctadecane 93.5 % 40.6-153 5060426 MS 04-Jun-25 8015B

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 25B**  
**H253337-11 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>1390</b>		16.0	mg/kg	4	5060514	HM	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060423	JH	05-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060423	JH	05-Jun-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			114 %		71.5-134	5060423	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060426	MS	04-Jun-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			95.1 %		44.4-145	5060426	MS	04-Jun-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			96.3 %		40.6-153	5060426	MS	04-Jun-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 27B**  
**H253337-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>1650</b>		16.0	mg/kg	4	5060514	HM	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060424	JH	05-Jun-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		5060424	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			98.9 %	44.4-145		5060427	MS	04-Jun-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			99.1 %	40.6-153		5060427	MS	04-Jun-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 28B**  
**H253337-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>1410</b>		16.0	mg/kg	4	5060514	HM	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5060424	JH	05-Jun-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	116 %	71.5-134	5060424	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	

Surrogate: 1-Chlorooctane	111 %	44.4-145	5060427	MS	04-Jun-25	8015B	
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Surrogate: 1-Chlorooctadecane	118 %	40.6-153	5060427	MS	04-Jun-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 31B**  
**H253337-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>224</b>		16.0	mg/kg	4	5060514	HM	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5060424	JH	05-Jun-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	105 %	71.5-134	5060424	JH	05-Jun-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B

Surrogate: 1-Chlorooctane	101 %	44.4-145	5060427	MS	04-Jun-25	8015B
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Surrogate: 1-Chlorooctadecane	100 %	40.6-153	5060427	MS	04-Jun-25	8015B
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 32B**  
**H253337-15 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>240</b>		16.0	mg/kg	4	5060514	HM	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5060424	JH	05-Jun-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	5060424	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	

Surrogate: 1-Chlorooctane	103 %	44.4-145	5060427	MS	04-Jun-25	8015B	
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Surrogate: 1-Chlorooctadecane	103 %	40.6-153	5060427	MS	04-Jun-25	8015B	
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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  
2617 W MARLAND  
HOBBS NM, 88240

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 33B**  
**H253337-16 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>208</b>		16.0	mg/kg	4	5060514	HM	09-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5060424	JH	05-Jun-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>		104 %		71.5-134	5060424	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>		103 %		44.4-145	5060427	MS	04-Jun-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>		102 %		40.6-153	5060427	MS	04-Jun-25	8015B	
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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  
2617 W MARLAND  
HOBBS NM, 88240

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 34B**  
**H253337-17 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>224</b>		16.0	mg/kg	4	5060514	HM	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060424	JH	05-Jun-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		5060424	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			103 %	44.4-145		5060427	MS	04-Jun-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			101 %	40.6-153		5060427	MS	04-Jun-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 35B**  
**H253337-18 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>208</b>		16.0	mg/kg	4	5060514	HM	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5060424	JH	05-Jun-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	5060424	JH	05-Jun-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B

Surrogate: 1-Chlorooctane	104 %	44.4-145	5060427	MS	04-Jun-25	8015B
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Surrogate: 1-Chlorooctadecane	102 %	40.6-153	5060427	MS	04-Jun-25	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 36B**  
**H253337-19 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>224</b>		16.0	mg/kg	4	5060514	HM	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060424	JH	05-Jun-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %	71.5-134		5060424	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			107 %	44.4-145		5060427	MS	04-Jun-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			105 %	40.6-153		5060427	MS	04-Jun-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 37B**  
**H253337-20 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>192</b>		16.0	mg/kg	4	5060514	HM	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5060424	JH	05-Jun-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	5060424	JH	05-Jun-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B

Surrogate: 1-Chlorooctane	101 %	44.4-145	5060427	MS	04-Jun-25	8015B
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Surrogate: 1-Chlorooctadecane	98.6 %	40.6-153	5060427	MS	04-Jun-25	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 38B**  
**H253337-21 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>224</b>		16.0	mg/kg	4	5060514	HM	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5060424	JH	05-Jun-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	5060424	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	

Surrogate: 1-Chlorooctane	105 %	44.4-145	5060427	MS	04-Jun-25	8015B	
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Surrogate: 1-Chlorooctadecane	103 %	40.6-153	5060427	MS	04-Jun-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 39B**  
**H253337-22 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>208</b>		16.0	mg/kg	4	5060514	HM	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5060424	JH	05-Jun-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	103 %	71.5-134	5060424	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	

Surrogate: 1-Chlorooctane	79.6 %	44.4-145	5060427	MS	04-Jun-25	8015B	
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Surrogate: 1-Chlorooctadecane	78.1 %	40.6-153	5060427	MS	04-Jun-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 40B**  
**H253337-23 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>208</b>		16.0	mg/kg	4	5060514	HM	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060424	JH	05-Jun-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		5060424	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			94.5 %	44.4-145		5060427	MS	04-Jun-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			91.4 %	40.6-153		5060427	MS	04-Jun-25	8015B	
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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  
2617 W MARLAND  
HOBBS NM, 88240

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 41B**  
**H253337-24 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>240</b>		16.0	mg/kg	4	5060514	HM	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060424	JH	05-Jun-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	71.5-134		5060424	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			99.5 %	44.4-145		5060427	MS	04-Jun-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			97.0 %	40.6-153		5060427	MS	04-Jun-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 42B**  
**H253337-25 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>240</b>		16.0	mg/kg	4	5060514	HM	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5060424	JH	05-Jun-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	105 %	71.5-134	5060424	JH	05-Jun-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B

Surrogate: 1-Chlorooctane	101 %	44.4-145	5060427	MS	04-Jun-25	8015B
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Surrogate: 1-Chlorooctadecane	98.5 %	40.6-153	5060427	MS	04-Jun-25	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 43B**  
**H253337-26 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>6660</b>		16.0	mg/kg	4	5060514	HM	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060424	JH	05-Jun-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			103 %	71.5-134		5060424	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
<b>DRO &gt;C10-C28*</b>	<b>32.6</b>		10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			103 %	44.4-145		5060427	MS	04-Jun-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			102 %	40.6-153		5060427	MS	04-Jun-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 44B**  
**H253337-27 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>4080</b>		16.0	mg/kg	4	5060514	HM	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060424	JH	05-Jun-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			105 %		71.5-134	5060424	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
DRO >C10-C28*	<b>308</b>		10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<b>70.4</b>		10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	

Surrogate: 1-Chlorooctane			98.1 %		44.4-145	5060427	MS	04-Jun-25	8015B	
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Surrogate: 1-Chlorooctadecane			109 %		40.6-153	5060427	MS	04-Jun-25	8015B	
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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  
2617 W MARLAND  
HOBBS NM, 88240

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 45B**  
**H253337-28 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>5100</b>		16.0	mg/kg	4	5060514	HM	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060424	JH	05-Jun-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %		71.5-134	5060424	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
<b>DRO &gt;C10-C28*</b>	<b>41.4</b>		10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	

Surrogate: 1-Chlorooctane			96.2 %		44.4-145	5060427	MS	04-Jun-25	8015B	
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Surrogate: 1-Chlorooctadecane			95.9 %		40.6-153	5060427	MS	04-Jun-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 46B**  
**H253337-29 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>240</b>		16.0	mg/kg	4	5060514	HM	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5060424	JH	05-Jun-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	5060424	JH	05-Jun-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B

Surrogate: 1-Chlorooctane	105 %	44.4-145	5060427	MS	04-Jun-25	8015B
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Surrogate: 1-Chlorooctadecane	103 %	40.6-153	5060427	MS	04-Jun-25	8015B
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 50B**  
**H253337-30 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>272</b>		16.0	mg/kg	4	5060508	AC	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5060424	JH	05-Jun-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	103 %	71.5-134	5060424	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B	

Surrogate: 1-Chlorooctane	96.7 %	44.4-145	5060427	MS	04-Jun-25	8015B	
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Surrogate: 1-Chlorooctadecane	94.3 %	40.6-153	5060427	MS	04-Jun-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 53B**  
**H253337-31 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>544</b>		16.0	mg/kg	4	5060508	AC	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5060424	JH	05-Jun-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5060424	JH	05-Jun-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	105 %	71.5-134	5060424	JH	05-Jun-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5060427	MS	04-Jun-25	8015B

Surrogate: 1-Chlorooctane	97.2 %	44.4-145	5060427	MS	04-Jun-25	8015B
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Surrogate: 1-Chlorooctadecane	94.8 %	40.6-153	5060427	MS	04-Jun-25	8015B
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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  
2617 W MARLAND  
HOBBS NM, 88240

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 56B**  
**H253337-32 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>432</b>		16.0	mg/kg	4	5060508	AC	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	QR-03
Toluene*	<0.050		0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	QR-03
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060425	JH	05-Jun-25	8021B	QR-03
Total BTEX	<0.300		0.300	mg/kg	50	5060425	JH	05-Jun-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134 5060425 JH 05-Jun-25 8021B

**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B	

Surrogate: 1-Chlorooctane 89.1 % 44.4-145 5060428 MS 04-Jun-25 8015B

Surrogate: 1-Chlorooctadecane 84.1 % 40.6-153 5060428 MS 04-Jun-25 8015B

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 57B**  
**H253337-33 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>480</b>		16.0	mg/kg	4	5060508	AC	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060425	JH	05-Jun-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	71.5-134		5060425	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			92.2 %	44.4-145		5060428	MS	04-Jun-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			85.9 %	40.6-153		5060428	MS	04-Jun-25	8015B	
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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  
2617 W MARLAND  
HOBBS NM, 88240

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 70B**  
**H253337-34 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>576</b>		16.0	mg/kg	4	5060508	AC	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060425	JH	05-Jun-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		5060425	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			89.6 %	44.4-145		5060428	MS	04-Jun-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			82.6 %	40.6-153		5060428	MS	04-Jun-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 83B**  
**H253337-35 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>544</b>		16.0	mg/kg	4	5060508	AC	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5060425	JH	05-Jun-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	106 %	71.5-134	5060425	JH	05-Jun-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B

Surrogate: 1-Chlorooctane	84.9 %	44.4-145	5060428	MS	04-Jun-25	8015B
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Surrogate: 1-Chlorooctadecane	78.1 %	40.6-153	5060428	MS	04-Jun-25	8015B
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Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 84B**  
**H253337-36 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>560</b>		16.0	mg/kg	4	5060508	AC	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060425	JH	05-Jun-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %		71.5-134	5060425	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			80.5 %		44.4-145	5060428	MS	04-Jun-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			75.8 %		40.6-153	5060428	MS	04-Jun-25	8015B	
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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  
2617 W MARLAND  
HOBBS NM, 88240

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 85B**  
**H253337-37 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>544</b>		16.0	mg/kg	4	5060508	AC	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5060425	JH	05-Jun-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	107 %	71.5-134	5060425	JH	05-Jun-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B

Surrogate: 1-Chlorooctane	90.0 %	44.4-145	5060428	MS	04-Jun-25	8015B
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Surrogate: 1-Chlorooctadecane	83.4 %	40.6-153	5060428	MS	04-Jun-25	8015B
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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 86B**  
**H253337-38 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>480</b>		16.0	mg/kg	4	5060508	AC	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060425	JH	05-Jun-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			108 %		71.5-134	5060425	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			81.7 %		44.4-145	5060428	MS	04-Jun-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			76.4 %		40.6-153	5060428	MS	04-Jun-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 88B**  
**H253337-39 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>560</b>		16.0	mg/kg	4	5060508	AC	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5060425	JH	05-Jun-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	109 %	71.5-134	5060425	JH	05-Jun-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B

Surrogate: 1-Chlorooctane	93.2 %	44.4-145	5060428	MS	04-Jun-25	8015B
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Surrogate: 1-Chlorooctadecane	87.7 %	40.6-153	5060428	MS	04-Jun-25	8015B
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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  
2617 W MARLAND  
HOBBS NM, 88240

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 89B**  
**H253337-40 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>576</b>		16.0	mg/kg	4	5060508	AC	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060425	JH	05-Jun-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			111 %		71.5-134	5060425	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			85.1 %		44.4-145	5060428	MS	04-Jun-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			79.1 %		40.6-153	5060428	MS	04-Jun-25	8015B	
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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  
2617 W MARLAND  
HOBBS NM, 88240

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 91B**  
**H253337-41 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>576</b>		16.0	mg/kg	4	5060508	AC	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060425	JH	05-Jun-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %	71.5-134		5060425	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			85.1 %	44.4-145		5060428	MS	04-Jun-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			79.9 %	40.6-153		5060428	MS	04-Jun-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 92B**  
**H253337-42 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>1310</b>		16.0	mg/kg	4	5060508	AC	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5060425	JH	05-Jun-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	108 %	71.5-134	5060425	JH	05-Jun-25	8021B
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B

Surrogate: 1-Chlorooctane	85.4 %	44.4-145	5060428	MS	04-Jun-25	8015B
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Surrogate: 1-Chlorooctadecane	79.8 %	40.6-153	5060428	MS	04-Jun-25	8015B
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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 93B**  
**H253337-43 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>1090</b>		16.0	mg/kg	4	5060508	AC	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050	0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Toluene*	<0.050	0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	5060425	JH	05-Jun-25	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	102 %	71.5-134	5060425	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0	10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B	

Surrogate: 1-Chlorooctane	87.9 %	44.4-145	5060428	MS	04-Jun-25	8015B	
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Surrogate: 1-Chlorooctadecane	81.9 %	40.6-153	5060428	MS	04-Jun-25	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**FL 95B**  
**H253337-44 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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**Cardinal Laboratories****Inorganic Compounds**

<b>Chloride</b>	<b>1600</b>		16.0	mg/kg	4	5060508	AC	05-Jun-25	4500-Cl-B	
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**Volatile Organic Compounds by EPA Method 8021**

Benzene*	<0.050		0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5060425	JH	05-Jun-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5060425	JH	05-Jun-25	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			100 %	71.5-134		5060425	JH	05-Jun-25	8021B	
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**Petroleum Hydrocarbons by GC FID**

GRO C6-C10*	<10.0		10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5060428	MS	04-Jun-25	8015B	

<i>Surrogate: 1-Chlorooctane</i>			70.6 %	44.4-145		5060428	MS	04-Jun-25	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			65.2 %	40.6-153		5060428	MS	04-Jun-25	8015B	
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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  
2617 W MARLAND  
HOBBS NM, 88240

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**Inorganic Compounds - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5060507 - 1:4 DI Water****Blank (5060507-BLK1)**

Prepared &amp; Analyzed: 05-Jun-25

Chloride	ND	16.0	mg/kg
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**LCS (5060507-BS1)**

Prepared &amp; Analyzed: 05-Jun-25

Chloride	416	16.0	mg/kg	400	104	80-120
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**LCS Dup (5060507-BSD1)**

Prepared &amp; Analyzed: 05-Jun-25

Chloride	448	16.0	mg/kg	400	112	80-120	7.41	20
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**Batch 5060508 - 1:4 DI Water****Blank (5060508-BLK1)**

Prepared &amp; Analyzed: 05-Jun-25

Chloride	ND	16.0	mg/kg
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**LCS (5060508-BS1)**

Prepared &amp; Analyzed: 05-Jun-25

Chloride	416	16.0	mg/kg	400	104	80-120
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**LCS Dup (5060508-BSD1)**

Prepared &amp; Analyzed: 05-Jun-25

Chloride	432	16.0	mg/kg	400	108	80-120	3.77	20
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**Batch 5060514 - 1:4 DI Water****Blank (5060514-BLK1)**

Prepared &amp; Analyzed: 05-Jun-25

Chloride	ND	16.0	mg/kg
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**LCS (5060514-BS1)**

Prepared &amp; Analyzed: 05-Jun-25

Chloride	400	16.0	mg/kg	400	100	80-120
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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**Inorganic Compounds - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5060514 - 1:4 DI Water****LCS Dup (5060514-BSD1)**

Prepared &amp; Analyzed: 05-Jun-25

Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	
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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5060423 - Volatiles****Blank (5060423-BLK1)**

Prepared: 04-Jun-25 Analyzed: 05-Jun-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0558		mg/kg	0.0500		112	71.5-134			

**LCS (5060423-BS1)**

Prepared: 04-Jun-25 Analyzed: 05-Jun-25

Benzene	1.58	0.050	mg/kg	2.00		79.2	76.3-129			
Toluene	1.69	0.050	mg/kg	2.00		84.7	84.1-129			
Ethylbenzene	1.69	0.050	mg/kg	2.00		84.4	80.1-133			
m,p-Xylene	3.58	0.100	mg/kg	4.00		89.5	81.4-134			
o-Xylene	1.71	0.050	mg/kg	2.00		85.5	81.4-133			
Total Xylenes	5.29	0.150	mg/kg	6.00		88.2	81.5-134			
Surrogate: 4-Bromofluorobenzene (PID)	0.0520		mg/kg	0.0500		104	71.5-134			

**LCS Dup (5060423-BS1)**

Prepared: 04-Jun-25 Analyzed: 05-Jun-25

Benzene	1.80	0.050	mg/kg	2.00		90.1	76.3-129	12.9	15.8	
Toluene	1.90	0.050	mg/kg	2.00		95.1	84.1-129	11.7	15.9	
Ethylbenzene	1.89	0.050	mg/kg	2.00		94.7	80.1-133	11.6	16	
m,p-Xylene	3.93	0.100	mg/kg	4.00		98.4	81.4-134	9.47	16.2	
o-Xylene	1.92	0.050	mg/kg	2.00		96.0	81.4-133	11.5	16.7	
Total Xylenes	5.85	0.150	mg/kg	6.00		97.6	81.5-134	10.1	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0513		mg/kg	0.0500		103	71.5-134			

**Batch 5060424 - Volatiles****Blank (5060424-BLK1)**

Prepared: 04-Jun-25 Analyzed: 05-Jun-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5060424 - Volatiles****Blank (5060424-BLK1)**

Prepared: 04-Jun-25 Analyzed: 05-Jun-25

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0521		mg/kg	0.0500		104	71.5-134			

**LCS (5060424-BS1)**

Prepared: 04-Jun-25 Analyzed: 05-Jun-25

Benzene	2.02	0.050	mg/kg	2.00		101	76.3-129			
Toluene	2.19	0.050	mg/kg	2.00		110	84.1-129			
Ethylbenzene	2.03	0.050	mg/kg	2.00		102	80.1-133			
m,p-Xylene	4.04	0.100	mg/kg	4.00		101	81.4-134			
o-Xylene	2.06	0.050	mg/kg	2.00		103	81.4-133			
Total Xylenes	6.10	0.150	mg/kg	6.00		102	81.5-134			
Surrogate: 4-Bromofluorobenzene (PID)	0.0496		mg/kg	0.0500		99.2	71.5-134			

**LCS Dup (5060424-BSD1)**

Prepared: 04-Jun-25 Analyzed: 05-Jun-25

Benzene	1.93	0.050	mg/kg	2.00		96.5	76.3-129	4.77	15.8	
Toluene	2.13	0.050	mg/kg	2.00		107	84.1-129	2.88	15.9	
Ethylbenzene	2.03	0.050	mg/kg	2.00		101	80.1-133	0.127	16	
m,p-Xylene	4.04	0.100	mg/kg	4.00		101	81.4-134	0.00352	16.2	
o-Xylene	2.05	0.050	mg/kg	2.00		103	81.4-133	0.636	16.7	
Total Xylenes	6.09	0.150	mg/kg	6.00		102	81.5-134	0.212	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0504		mg/kg	0.0500		101	71.5-134			

**Batch 5060425 - Volatiles****Blank (5060425-BLK1)**

Prepared: 04-Jun-25 Analyzed: 05-Jun-25

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0519		mg/kg	0.0500		104	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**Volatile Organic Compounds by EPA Method 8021 - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5060425 - Volatiles****LCS (5060425-BS1)**

Prepared: 04-Jun-25 Analyzed: 05-Jun-25

Benzene	1.90	0.050	mg/kg	2.00		94.9	76.3-129		
Toluene	1.95	0.050	mg/kg	2.00		97.7	84.1-129		
Ethylbenzene	1.93	0.050	mg/kg	2.00		96.5	80.1-133		
m,p-Xylene	4.03	0.100	mg/kg	4.00		101	81.4-134		
o-Xylene	1.99	0.050	mg/kg	2.00		99.4	81.4-133		
Total Xylenes	6.02	0.150	mg/kg	6.00		100	81.5-134		
Surrogate: 4-Bromofluorobenzene (PID)	0.0480		mg/kg	0.0500		95.9	71.5-134		

**LCS Dup (5060425-BSD1)**

Prepared: 04-Jun-25 Analyzed: 05-Jun-25

Benzene	1.81	0.050	mg/kg	2.00		90.7	76.3-129	4.51	15.8
Toluene	1.84	0.050	mg/kg	2.00		92.2	84.1-129	5.75	15.9
Ethylbenzene	1.84	0.050	mg/kg	2.00		92.1	80.1-133	4.65	16
m,p-Xylene	3.79	0.100	mg/kg	4.00		94.7	81.4-134	6.08	16.2
o-Xylene	1.89	0.050	mg/kg	2.00		94.5	81.4-133	5.12	16.7
Total Xylenes	5.68	0.150	mg/kg	6.00		94.6	81.5-134	5.76	16.3
Surrogate: 4-Bromofluorobenzene (PID)	0.0485		mg/kg	0.0500		96.9	71.5-134		

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**Petroleum Hydrocarbons by GC FID - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5060426 - General Prep - Organics****Blank (5060426-BLK1)**

Prepared &amp; Analyzed: 04-Jun-25

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	51.3		mg/kg	50.0		103	44.4-145			
Surrogate: 1-Chlorooctadecane	56.1		mg/kg	50.0		112	40.6-153			

**LCS (5060426-BS1)**

Prepared: 04-Jun-25 Analyzed: 05-Jun-25

GRO C6-C10	176	10.0	mg/kg	200		88.0	81.5-123			
DRO >C10-C28	206	10.0	mg/kg	200		103	77.7-122			
Total TPH C6-C28	382	10.0	mg/kg	400		95.6	80.9-121			
Surrogate: 1-Chlorooctane	50.8		mg/kg	50.0		102	44.4-145			
Surrogate: 1-Chlorooctadecane	56.5		mg/kg	50.0		113	40.6-153			

**LCS Dup (5060426-BS1)**

Prepared &amp; Analyzed: 04-Jun-25

GRO C6-C10	180	10.0	mg/kg	200		90.0	81.5-123	2.20	13	
DRO >C10-C28	198	10.0	mg/kg	200		99.2	77.7-122	3.97	15.6	
Total TPH C6-C28	378	10.0	mg/kg	400		94.6	80.9-121	1.08	18.5	
Surrogate: 1-Chlorooctane	56.4		mg/kg	50.0		113	44.4-145			
Surrogate: 1-Chlorooctadecane	61.7		mg/kg	50.0		123	40.6-153			

**Batch 5060427 - General Prep - Organics****Blank (5060427-BLK1)**

Prepared &amp; Analyzed: 04-Jun-25

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	52.2		mg/kg	50.0		104	44.4-145			
Surrogate: 1-Chlorooctadecane	54.5		mg/kg	50.0		109	40.6-153			

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**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**Petroleum Hydrocarbons by GC FID - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5060427 - General Prep - Organics****LCS (5060427-BS1)**

Prepared &amp; Analyzed: 04-Jun-25

GRO C6-C10	210	10.0	mg/kg	200		105	81.5-123			
DRO >C10-C28	201	10.0	mg/kg	200		101	77.7-122			
Total TPH C6-C28	411	10.0	mg/kg	400		103	80.9-121			
Surrogate: 1-Chlorooctane	54.6		mg/kg	50.0		109	44.4-145			
Surrogate: 1-Chlorooctadecane	57.2		mg/kg	50.0		114	40.6-153			

**LCS Dup (5060427-BS1)**

Prepared &amp; Analyzed: 04-Jun-25

GRO C6-C10	212	10.0	mg/kg	200		106	81.5-123	0.752	13	
DRO >C10-C28	201	10.0	mg/kg	200		101	77.7-122	0.0149	15.6	
Total TPH C6-C28	413	10.0	mg/kg	400		103	80.9-121	0.378	18.5	
Surrogate: 1-Chlorooctane	57.6		mg/kg	50.0		115	44.4-145			
Surrogate: 1-Chlorooctadecane	60.5		mg/kg	50.0		121	40.6-153			

**Batch 5060428 - General Prep - Organics****Blank (5060428-BLK1)**

Prepared &amp; Analyzed: 04-Jun-25

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	49.3		mg/kg	50.0		98.5	44.4-145			
Surrogate: 1-Chlorooctadecane	48.0		mg/kg	50.0		96.1	40.6-153			

**LCS (5060428-BS1)**

Prepared &amp; Analyzed: 04-Jun-25

GRO C6-C10	183	10.0	mg/kg	200		91.4	81.5-123			
DRO >C10-C28	200	10.0	mg/kg	200		99.9	77.7-122			
Total TPH C6-C28	383	10.0	mg/kg	400		95.6	80.9-121			
Surrogate: 1-Chlorooctane	51.2		mg/kg	50.0		102	44.4-145			
Surrogate: 1-Chlorooctadecane	50.9		mg/kg	50.0		102	40.6-153			

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**Analytical Results For:**

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

Project: WHITTEN SWD ROW  
Project Number: 21343  
Project Manager: JOEL LOWRY  
Fax To:

Reported:  
10-Jun-25 12:27

**Petroleum Hydrocarbons by GC FID - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 5060428 - General Prep - Organics****LCS Dup (5060428-BSD1)**

Prepared &amp; Analyzed: 04-Jun-25

GRO C6-C10	185	10.0	mg/kg	200		92.6	81.5-123	1.23	13	
DRO >C10-C28	195	10.0	mg/kg	200		97.7	77.7-122	2.25	15.6	
Total TPH C6-C28	380	10.0	mg/kg	400		95.1	80.9-121	0.568	18.5	
Surrogate: 1-Chlorooctane	58.5		mg/kg	50.0		117	44.4-145			
Surrogate: 1-Chlorooctadecane	53.1		mg/kg	50.0		106	40.6-153			

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### Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager









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

Page 3 of 5

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Relinquished By: <i>Matt</i>		Date: <i>6-4-25</i>	Received By: <i>Capano</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:	
		Time: <i>1409</i>			All Results are emailed. Please provide Email address: <a href="mailto:pm@etechenv.com">pm@etechenv.com</a>	
Relinquished By:		Date:	Received By:		* Customer requested ID changes. 70-6/5/25	
		Time:			REMARKS:	
					24H Rush - RUSH TPH ONLY. Bill analytical charges to Permian Resources C/O Montgomery Floyd and rush charges to Etech C/O Joel Lowry.	
Delivered By: (Circle One)		Observed Temp. °C <i>-2.8</i>	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>		CHECKED BY: (Initials) <i>DP</i>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <i>-2.5</i>	Cool <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		Turnaround Time: <i>6-4-25</i> Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	
					Thermometer ID #140 Correction Factor <i>-0.6</i> °C <i>40.3</i>	
					Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Observed Temp. °C Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C	







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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 5 of 5

Company Name: Etech Environmental & Safety Solutions, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																			
Project Manager: Joel Lowry				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																			
Address: 2617 West Marland				Company: SEE REMARKS																							
City: Hobbs		State: NM		Zip: 88240		Attn:																					
Phone #: (575) 264-9884		Fax #:		Address:		City:																					
Project #: 21343		Project Owner: Permian Resources Oper		State:		Zip:																					
Project Name: Whitten SWD ROW		Phone #:		Fax #:																							
Project Location: 32.574814, -103.536446																											
Sampler Name: Addison Elston																											
FOR LAB USE ONLY																											
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING													
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				ACID/BASE: ICE / COOL OTHER:		DATE TIME													
H253337		FL 91		C		1						X		6/3/25		X X X											
41		FL 92		C		1						X		6/3/25		X X X											
42		FL 93		C		1						X		6/3/25		X X X											
43		FL 95		C		1						X		6/3/25		X X X											
44																											

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. 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: <i>[Signature]</i>		Date: 6-4-25		Received By: <i>[Signature]</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Time: 1429		Time: 1429		Time: 1429		All Results are emailed. Please provide Email address: pm@etechenv.com		* Customer requested 2 changes. T.O. 6/5/25	
Relinquished By:		Date:		Received By:		REMARKS:			
Time:						24H Rush - RUSH TPH ONLY. Bill analytical charges to Permian Resources C/O Montgomery Floyd and rush charges to Etech C/O Joel Lowry.			
Delivered By: (Circle One)		Observed Temp. °C -28°C		Sample Condition		CHECKED BY: (Initials)		Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C -25°C		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID #140		Bacteria (only) Sample Condition	
						Correction Factor -0.5°C		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	
						0.30		Observed Temp. °C	
								Corrected Temp. °C	



## **Appendix E**

### **Sampling Notifications**

OCD Permitting

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

Submission Information

Submission ID:	444870	Districts:	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	Counties:	Lea
Description:	Permian Resources Operating, LLC [372165] , WHITTEN #1 SWD , nAPP2231350425		
Status:	APPROVED		
Status Date:	03/24/2025		
References (2):	30-025-20386, nAPP2231350425		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2231350425
Incident Name	NAPP2231350425 WHITTEN #1 SWD @ 30-025-20386
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-20386] WHITTEN #001

Location of Release Source

Site Name	WHITTEN #1 SWD
Date Release Discovered	11/09/2022
Surface Owner	Private

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	30,000
What is the estimated number of samples that will be gathered	150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/26/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Addison Elston 432-236-1152
Please provide any information necessary for navigation to sampling site	Driving Directions - From the intersection of US-62 and Co Rd 27-A (32.635257, -103.515500), head S on Co mi, then W for 1.19 mi, then N for 0.06 mi to arrive at the Witten SWD ROW release area (32.575080, -103.53

Comments

No comments found for this submission.

Conditions

**Summary:**      mtaylorpr (3/24/2025), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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

Submission Information

Submission ID:	444875	Districts:	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	Counties:	Lea
Description:	Permian Resources Operating, LLC [372165] , WHITTEN #1 SWD , nAPP2231350425		
Status:	APPROVED		
Status Date:	03/24/2025		
References (2):	30-025-20386, nAPP2231350425		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2231350425
Incident Name	NAPP2231350425 WHITTEN #1 SWD @ 30-025-20386
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-20386] WHITTEN #001

Location of Release Source

Site Name	WHITTEN #1 SWD
Date Release Discovered	11/09/2022
Surface Owner	Private

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	30,000
What is the estimated number of samples that will be gathered	150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/28/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Addison Elston 432-236-1152
Please provide any information necessary for navigation to sampling site	Driving Directions - From the intersection of US-62 and Co Rd 27-A (32.635257, -103.515500), head S on Co mi, then W for 1.19 mi, then N for 0.06 mi to arrive at the Witten SWD ROW release area (32.575080, -103.53

Comments

No comments found for this submission.

Conditions

**Summary:**      mtaylorpr (3/24/2025), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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

Submission Information

Submission ID:	444877	Districts:	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	Counties:	Lea
Description:	Permian Resources Operating, LLC [372165] , WHITTEN #1 SWD , nAPP2231350425		
Status:	APPROVED		
Status Date:	03/24/2025		
References (2):	30-025-20386, nAPP2231350425		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2231350425
Incident Name	NAPP2231350425 WHITTEN #1 SWD @ 30-025-20386
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-20386] WHITTEN #001

Location of Release Source

Site Name	WHITTEN #1 SWD
Date Release Discovered	11/09/2022
Surface Owner	Private

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	30,000
What is the estimated number of samples that will be gathered	150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/31/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Addison Elston 432-236-1152
Please provide any information necessary for navigation to sampling site	Driving Directions - From the intersection of US-62 and Co Rd 27-A (32.635257, -103.515500), head S on Co mi, then W for 1.19 mi, then N for 0.06 mi to arrive at the Witten SWD ROW release area (32.575080, -103.53

Comments

No comments found for this submission.

Conditions

**Summary:**      mtaylorpr (3/24/2025), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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

Submission Information

Submission ID:	444880	Districts:	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	Counties:	Lea
Description:	Permian Resources Operating, LLC [372165] , WHITTEN #1 SWD , nAPP2231350425		
Status:	APPROVED		
Status Date:	03/24/2025		
References (2):	30-025-20386, nAPP2231350425		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2231350425
Incident Name	NAPP2231350425 WHITTEN #1 SWD @ 30-025-20386
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-20386] WHITTEN #001

Location of Release Source

Site Name	WHITTEN #1 SWD
Date Release Discovered	11/09/2022
Surface Owner	Private

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	30,000
What is the estimated number of samples that will be gathered	150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/02/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Addison Elston 432-236-1152
Please provide any information necessary for navigation to sampling site	Driving Directions - From the intersection of US-62 and Co Rd 27-A (32.635257, -103.515500), head S on Co mi, then W for 1.19 mi, then N for 0.06 mi to arrive at the Witten SWD ROW release area (32.575080, -103.53

Comments

No comments found for this submission.

Conditions

**Summary:**      mtaylorpr (3/24/2025), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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

Submission Information

Submission ID:	444882	Districts:	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	Counties:	Lea
Description:	Permian Resources Operating, LLC [372165] , WHITTEN #1 SWD , nAPP2231350425		
Status:	APPROVED		
Status Date:	03/24/2025		
References (2):	30-025-20386, nAPP2231350425		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2231350425
Incident Name	NAPP2231350425 WHITTEN #1 SWD @ 30-025-20386
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-20386] WHITTEN #001

Location of Release Source

Site Name	WHITTEN #1 SWD
Date Release Discovered	11/09/2022
Surface Owner	Private

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	30,000
What is the estimated number of samples that will be gathered	150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/04/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Addison Elston 432-236-1152
Please provide any information necessary for navigation to sampling site	Driving Directions - From the intersection of US-62 and Co Rd 27-A (32.635257, -103.515500), head S on Co mi, then W for 1.19 mi, then N for 0.06 mi to arrive at the Witten SWD ROW release area (32.575080, -103.53



Comments

No comments found for this submission.

Conditions

**Summary:**      mtaylorpr (3/24/2025), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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

Submission Information

Submission ID:	444884	Districts:	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	Counties:	Lea
Description:	Permian Resources Operating, LLC [372165] , WHITTEN #1 SWD , nAPP2231350425		
Status:	APPROVED		
Status Date:	03/24/2025		
References (2):	30-025-20386, nAPP2231350425		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2231350425
Incident Name	NAPP2231350425 WHITTEN #1 SWD @ 30-025-20386
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-20386] WHITTEN #001

Location of Release Source

Site Name	WHITTEN #1 SWD
Date Release Discovered	11/09/2022
Surface Owner	Private

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	30,000
What is the estimated number of samples that will be gathered	150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/07/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Addison Elston 432-236-1152
Please provide any information necessary for navigation to sampling site	Driving Directions - From the intersection of US-62 and Co Rd 27-A (32.635257, -103.515500), head S on Co mi, then W for 1.19 mi, then N for 0.06 mi to arrive at the Witten SWD ROW release area (32.575080, -103.53

Comments

No comments found for this submission.

Conditions

**Summary:**      mtaylorpr (3/24/2025), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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

Submission Information

Submission ID:	444892	Districts:	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	Counties:	Lea
Description:	Permian Resources Operating, LLC [372165] , Whitten SWD ROW , nAPP2503175872		
Status:	APPROVED		
Status Date:	03/24/2025		
References (1):	nAPP2503175872		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2503175872
Incident Name	NAPP2503175872 WHITTEN SWD ROW @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	Whitten SWD ROW
Date Release Discovered	01/31/2025
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	30,000
What is the estimated number of samples that will be gathered	150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/26/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Addison Elston 432-236-1152
Please provide any information necessary for navigation to sampling site	Driving Directions - From the intersection of US-62 and Co Rd 27-A (32.635257, -103.515500), head N on US-62 for 1.19 mi, then W for 1.19 mi, then N for 0.06 mi to arrive at the Witten SWD ROW release area (32.575080, -103.515500)

Comments

No comments found for this submission.

Conditions

**Summary:**      mtaylorpr (3/24/2025), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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

Submission Information

Submission ID:	444894	Districts:	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	Counties:	Lea
Description:	Permian Resources Operating, LLC [372165] , Whitten SWD ROW , nAPP2503175872		
Status:	APPROVED		
Status Date:	03/24/2025		
References (1):	nAPP2503175872		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2503175872
Incident Name	NAPP2503175872 WHITTEN SWD ROW @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	Whitten SWD ROW
Date Release Discovered	01/31/2025
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	30,000
What is the estimated number of samples that will be gathered	150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/28/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Addison Elston 432-236-1152
Please provide any information necessary for navigation to sampling site	Driving Directions - From the intersection of US-62 and Co Rd 27-A (32.635257, -103.515500), head N on US-62 for 1.19 mi, then W for 1.19 mi, then N for 0.06 mi to arrive at the Witten SWD ROW release area (32.575080, -103.515500)



Comments

No comments found for this submission.

Conditions

**Summary:**      mtaylorpr (3/24/2025), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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

Submission Information

Submission ID:	444895	Districts:	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	Counties:	Lea
Description:	Permian Resources Operating, LLC [372165] , Whitten SWD ROW , nAPP2503175872		
Status:	APPROVED		
Status Date:	03/24/2025		
References (1):	nAPP2503175872		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2503175872
Incident Name	NAPP2503175872 WHITTEN SWD ROW @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	Whitten SWD ROW
Date Release Discovered	01/31/2025
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	30,000
What is the estimated number of samples that will be gathered	150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/31/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Addison Elston 432-236-1152
Please provide any information necessary for navigation to sampling site	Driving Directions - From the intersection of US-62 and Co Rd 27-A (32.635257, -103.515500), head N for 1.19 mi, then W for 1.19 mi, then N for 0.06 mi to arrive at the Witten SWD ROW release area (32.575080, -103.515500)

Comments

No comments found for this submission.

Conditions

**Summary:**                      mtaylorpr (3/24/2025), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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

Submission Information

Submission ID:	444897	Districts:	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	Counties:	Lea
Description:	Permian Resources Operating, LLC [372165] , Whitten SWD ROW , nAPP2503175872		
Status:	APPROVED		
Status Date:	03/24/2025		
References (1):	nAPP2503175872		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2503175872
Incident Name	NAPP2503175872 WHITTEN SWD ROW @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	Whitten SWD ROW
Date Release Discovered	01/31/2025
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	30,000
What is the estimated number of samples that will be gathered	150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/02/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Addison Elston 432-236-1152
Please provide any information necessary for navigation to sampling site	Driving Directions - From the intersection of US-62 and Co Rd 27-A (32.635257, -103.515500), head N for 1.19 mi, then W for 1.19 mi, then N for 0.06 mi to arrive at the Witten SWD ROW release area (32.575080, -103.515500)

Comments

No comments found for this submission.

Conditions

**Summary:**      mtaylorpr (3/24/2025), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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

Submission Information

Submission ID:	444900	Districts:	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	Counties:	Lea
Description:	Permian Resources Operating, LLC [372165] , Whitten SWD ROW , nAPP2503175872		
Status:	APPROVED		
Status Date:	03/24/2025		
References (1):	nAPP2503175872		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2503175872
Incident Name	NAPP2503175872 WHITTEN SWD ROW @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	Whitten SWD ROW
Date Release Discovered	01/31/2025
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	30,000
What is the estimated number of samples that will be gathered	150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/04/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Addison Elston 432-236-1152
Please provide any information necessary for navigation to sampling site	Driving Directions - From the intersection of US-62 and Co Rd 27-A (32.635257, -103.515500), head N on US-62 for 1.19 mi, then W for 1.19 mi, then N for 0.06 mi to arrive at the Witten SWD ROW release area (32.575080, -103.515500)



Comments

No comments found for this submission.

Conditions

**Summary:**                      mtaylorpr (3/24/2025), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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

Submission Information

Submission ID:	444902	Districts:	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	Counties:	Lea
Description:	Permian Resources Operating, LLC [372165] , Whitten SWD ROW , nAPP2503175872		
Status:	APPROVED		
Status Date:	03/24/2025		
References (1):	nAPP2503175872		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2503175872
Incident Name	NAPP2503175872 WHITTEN SWD ROW @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	Whitten SWD ROW
Date Release Discovered	01/31/2025
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	30,000
What is the estimated number of samples that will be gathered	150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/07/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Addison Elston 432-236-1152
Please provide any information necessary for navigation to sampling site	Driving Directions - From the intersection of US-62 and Co Rd 27-A (32.635257, -103.515500), head E on Co Rd 27-A for 1.19 mi, then W for 1.19 mi, then N for 0.06 mi to arrive at the Witten SWD ROW release area (32.575080, -103.515500)

Comments

No comments found for this submission.

Conditions

**Summary:**                      mtaylorpr (3/24/2025), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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

Submission Information

Submission ID:	444903	Districts:	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	Counties:	Lea
Description:	Permian Resources Operating, LLC [372165] , Whitten SWD ROW , nAPP2429762272		
Status:	APPROVED		
Status Date:	03/24/2025		
References (1):	nAPP2429762272		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2429762272
Incident Name	NAPP2429762272 WHITTEN SWD ROW @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	Whitten SWD ROW
Date Release Discovered	10/23/2024
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	30,000
What is the estimated number of samples that will be gathered	150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/26/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Addison Elston 432-236-1152
Please provide any information necessary for navigation to sampling site	Driving Directions - From the intersection of US-62 and Co Rd 27-A (32.635257, -103.515500), head east on US-62 for 1.19 mi, then W for 1.19 mi, then N for 0.06 mi to arrive at the Witten SWD ROW release area (32.575080, -103.515500)

Comments

No comments found for this submission.

Conditions

**Summary:**      *mtaylorpr (3/24/2025)*, Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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OCD Permitting

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

Submission Information

Submission ID:	444905	Districts:	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	Counties:	Lea
Description:	Permian Resources Operating, LLC [372165] , Whitten SWD ROW , nAPP2429762272		
Status:	APPROVED		
Status Date:	03/24/2025		
References (1):	nAPP2429762272		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2429762272
Incident Name	NAPP2429762272 WHITTEN SWD ROW @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	Whitten SWD ROW
Date Release Discovered	10/23/2024
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	30,000
What is the estimated number of samples that will be gathered	150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/28/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Addison Elston 432-236-1152
Please provide any information necessary for navigation to sampling site	Driving Directions - From the intersection of US-62 and Co Rd 27-A (32.635257, -103.515500), head N for 1.19 mi, then W for 1.19 mi, then N for 0.06 mi to arrive at the Witten SWD ROW release area (32.575080, -103.515500)



Comments

No comments found for this submission.

Conditions

**Summary:**      mtaylorpr (3/24/2025), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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OCD Permitting

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

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

Submission Information

Submission ID:	444906	Districts:	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	Counties:	Lea
Description:	Permian Resources Operating, LLC [372165] , Whitten SWD ROW , nAPP2429762272		
Status:	APPROVED		
Status Date:	03/24/2025		
References (1):	nAPP2429762272		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2429762272
Incident Name	NAPP2429762272 WHITTEN SWD ROW @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	Whitten SWD ROW
Date Release Discovered	10/23/2024
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	30,000
What is the estimated number of samples that will be gathered	150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/31/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Addison Elston 432-236-1152
Please provide any information necessary for navigation to sampling site	Driving Directions - From the intersection of US-62 and Co Rd 27-A (32.635257, -103.515500), head south on US-62 for 1.19 mi, then W for 1.19 mi, then N for 0.06 mi to arrive at the Witten SWD ROW release area (32.575080, -103.515500)

Comments

No comments found for this submission.

Conditions

**Summary:**      mtaylorpr (3/24/2025), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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

Submission Information

Submission ID:	444911	Districts:	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	Counties:	Lea
Description:	Permian Resources Operating, LLC [372165] , Whitten SWD ROW , nAPP2429762272		
Status:	APPROVED		
Status Date:	03/24/2025		
References (1):	nAPP2429762272		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2429762272
Incident Name	NAPP2429762272 WHITTEN SWD ROW @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	Whitten SWD ROW
Date Release Discovered	10/23/2024
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	30,000
What is the estimated number of samples that will be gathered	150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/02/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Addison Elston 432-236-1152
Please provide any information necessary for navigation to sampling site	Driving Directions - From the intersection of US-62 and Co Rd 27-A (32.635257, -103.515500), head south on US-62 for 1.19 mi, then W for 1.19 mi, then N for 0.06 mi to arrive at the Witten SWD ROW release area (32.575080, -103.515500)

Comments

No comments found for this submission.

Conditions

**Summary:**      mtaylorpr (3/24/2025), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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

Submission Information

Submission ID:	444912	Districts:	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	Counties:	Lea
Description:	Permian Resources Operating, LLC [372165] , Whitten SWD ROW , nAPP2429762272		
Status:	APPROVED		
Status Date:	03/24/2025		
References (1):	nAPP2429762272		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2429762272
Incident Name	NAPP2429762272 WHITTEN SWD ROW @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	Whitten SWD ROW
Date Release Discovered	10/23/2024
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	30,000
What is the estimated number of samples that will be gathered	150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/04/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Addison Elston 432-236-1152
Please provide any information necessary for navigation to sampling site	Driving Directions - From the intersection of US-62 and Co Rd 27-A (32.635257, -103.515500), head south on US-62 for 1.19 mi, then W for 1.19 mi, then N for 0.06 mi to arrive at the Witten SWD ROW release area (32.575080, -103.515500)



Comments

No comments found for this submission.

Conditions

**Summary:**                      mtaylorpr (3/24/2025), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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

Submission Information

Submission ID:	444914	Districts:	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	Counties:	Lea
Description:	Permian Resources Operating, LLC [372165] , Whitten SWD ROW , nAPP2429762272		
Status:	APPROVED		
Status Date:	03/24/2025		
References (1):	nAPP2429762272		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2429762272
Incident Name	NAPP2429762272 WHITTEN SWD ROW @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	Whitten SWD ROW
Date Release Discovered	10/23/2024
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	30,000
What is the estimated number of samples that will be gathered	150
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/07/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Addison Elston 432-236-1152
Please provide any information necessary for navigation to sampling site	Driving Directions - From the intersection of US-62 and Co Rd 27-A (32.635257, -103.515500), head south on US-62 for 1.19 mi, then W for 1.19 mi, then N for 0.06 mi to arrive at the Witten SWD ROW release area (32.575080, -103.515500)

Comments

No comments found for this submission.

Conditions

**Summary:**      mtaylorpr (3/24/2025), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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

Submission Information

Submission ID:	461267	Districts:	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	Counties:	Lea
Description:	Permian Resources Operating, LLC [372165] , Whitten SWD ROW , nAPP2429762272		
Status:	APPROVED		
Status Date:	05/13/2025		
References (1):	nAPP2429762272		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2429762272
Incident Name	NAPP2429762272 WHITTEN SWD ROW @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved

Location of Release Source

Site Name	Whitten SWD ROW
Date Release Discovered	10/23/2024
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	29,000
What is the estimated number of samples that will be gathered	145
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/15/2025
Time sampling will commence	08:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Addison Elston 676.631.1366
Please provide any information necessary for navigation to sampling site	32.574814,-103.536446

Comments

No comments found for this submission.

Conditions

**Summary:**                      mtaylorpr (5/13/2025), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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

Submission Information

Submission ID:	461273	Districts:	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	Counties:	Lea
Description:	Permian Resources Operating, LLC [372165] , Whitten SWD ROW , nAPP2503175872		
Status:	APPROVED		
Status Date:	05/13/2025		
References (1):	nAPP2503175872		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2503175872
Incident Name	NAPP2503175872 WHITTEN SWD ROW @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received

Location of Release Source

Site Name	Whitten SWD ROW
Date Release Discovered	01/31/2025
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	29,000
What is the estimated number of samples that will be gathered	145
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/15/2025
Time sampling will commence	08:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Addison Elston 575.631.1366
Please provide any information necessary for navigation to sampling site	32.574814,-103.536446



Comments

No comments found for this submission.

Conditions

**Summary:**                      mtaylorpr (5/13/2025), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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

Submission Information

Submission ID:	468821	Districts:	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	Counties:	Lea
Description:	Permian Resources Operating, LLC [372165] , Whitten SWD ROW , nAPP2429762272		
Status:	APPROVED		
Status Date:	05/29/2025		
References (1):	nAPP2429762272		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2429762272
Incident Name	NAPP2429762272 WHITTEN SWD ROW @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved

Location of Release Source

Site Name	Whitten SWD ROW
Date Release Discovered	10/23/2024
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	15,600
What is the estimated number of samples that will be gathered	42
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/03/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Addison Elston 575.631.1366
Please provide any information necessary for navigation to sampling site	32.574814,-103.536446

Comments

No comments found for this submission.

Conditions

**Summary:**                      mtaylorpr (5/29/2025), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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OCD Permitting

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

Submission Information

Submission ID:	468826	Districts:	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	Counties:	Lea
Description:	Permian Resources Operating, LLC [372165] , Whitten SWD ROW , nAPP2429762272		
Status:	APPROVED		
Status Date:	05/29/2025		
References (1):	nAPP2429762272		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2429762272
Incident Name	NAPP2429762272 WHITTEN SWD ROW @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved

Location of Release Source

Site Name	Whitten SWD ROW
Date Release Discovered	10/23/2024
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	15,600
What is the estimated number of samples that will be gathered	42
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/04/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Addison Elston 575.631.1366
Please provide any information necessary for navigation to sampling site	32.574814,-103.536446

Comments

No comments found for this submission.

Conditions

**Summary:**                      mtaylorpr (5/29/2025), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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OCD Permitting

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

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

Submission Information

Submission ID:	468829	Districts:	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	Counties:	Lea
Description:	Permian Resources Operating, LLC [372165] , WHITTEN SWD ROW , nAPP2503175872		
Status:	APPROVED		
Status Date:	05/29/2025		
References (1):	nAPP2503175872		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2503175872
Incident Name	NAPP2503175872 WHITTEN SWD ROW @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved

Location of Release Source

Site Name	WHITTEN SWD ROW
Date Release Discovered	01/31/2025
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	15,600
What is the estimated number of samples that will be gathered	42
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/03/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Addison Elston 575.631.1366
Please provide any information necessary for navigation to sampling site	32.574814,-103.536446



Comments

No comments found for this submission.

Conditions

**Summary:**                      mtaylorpr (5/29/2025), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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OCD Permitting

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

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

Submission Information

Submission ID:	468836	Districts:	Hobbs
Operator:	[372165] Permian Resources Operating, LLC	Counties:	Lea
Description:	Permian Resources Operating, LLC [372165] , WHITTEN SWD ROW , nAPP2503175872		
Status:	APPROVED		
Status Date:	05/29/2025		
References (1):	nAPP2503175872		

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)	nAPP2503175872
Incident Name	NAPP2503175872 WHITTEN SWD ROW @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved

Location of Release Source

Site Name	WHITTEN SWD ROW
Date Release Discovered	01/31/2025
Surface Owner	Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet	15,600
What is the estimated number of samples that will be gathered	42
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/04/2025
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Addison Elston 575.631.1366
Please provide any information necessary for navigation to sampling site	32.574814,-103.536446

Comments

No comments found for this submission.

Conditions

**Summary:**                      mtaylorpr (5/29/2025), Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

Reasons

No reasons found for this submission.

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## **Appendix F**

### **Regulatory Correspondence**

**From:** [OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us) <[OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us)>  
**Sent:** Monday, May 5, 2025 1:39 PM  
**To:** Matthew Taylor <[Matthew.Taylor@permianres.com](mailto:Matthew.Taylor@permianres.com)>  
**Subject:** -EXTERNAL- The Oil Conservation Division (OCD) has approved the application, Application ID: 458077

To whom it may concern (c/o Matthew Taylor for Permian Resources Operating, LLC),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2429762272, with the following conditions:

- **The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. All sidewall samples should be taken from the sidewall of the excavation. The Variance Request for 400 ft<sup>2</sup> floor confirmation sample size is approved. The release area will still need confirmation sidewall samples representing no more than 200 ft<sup>2</sup>. All off pad areas must meet reclamation standards in the OCD Spill Rule. The work will need to occur in 90 days after the report has been reviewed.**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,  
Robert Hamlet  
575-748-1283  
[Robert.Hamlet@emnrd.nm.gov](mailto:Robert.Hamlet@emnrd.nm.gov)

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

## **Appendix G Revegetation Form**





2617 W. Marland  
Hobbs, NM 88240  
Office: (575) 964-2880

## REVEGETATION FORM

### 1. General Information

Site name: Whitten SWD ROW			API #: N/A		NMOCD Incident ID#: nAPP2429762272 & nAPP2503175872	
U/L H	Section 14	Township 20	Range 34	County Lea	Latitude 32.5748140	Longitude -103.5364460
Responsible Party: Permian Resources						
Contact Name: Montgomery Floyd						
Email: Montgomery.floyd@permianres.com						
Site size: ~1.0 acres			Square feet: ~43,430			

### 2. Soils

Salvaged from site	<input type="checkbox"/>	Bioremediated	<input type="checkbox"/>	Imported	<input checked="" type="checkbox"/>	Blended	<input type="checkbox"/>	Depth (in)	<input type="checkbox"/>
Texture:	Fine sand		Describe soil & subsoil:		Kermit soils and Dune land, 0 to 12% slopes. Depth to restrictive layer: ""more than 80 inches", per the USDA's Web Soil Survey.				
Soil prep methods:	Rip	<input checked="" type="checkbox"/>	Depth (in)	<input type="checkbox"/>	Disc	<input type="checkbox"/>	Depth (in)	<input type="checkbox"/>	Rollerpack
Date completed:	7/8/2025								

### 3. Bioremediation

Fertilizer	<input type="checkbox"/>	Hay	<input type="checkbox"/>	Other	<input type="checkbox"/>
Type:				Describe:	
Lbs/acre:					

### 4. Seeding

Custom Seed Mix	<input type="checkbox"/>	Prescribed Mix	<input checked="" type="checkbox"/>	Seed Mix Name:	BLM #2	Date:	7/8/2025
Broadcast	<input checked="" type="checkbox"/>	Drilled	<input type="checkbox"/>	Method:	Broadcast seeder and harrow		
Soil conditions during seed:	Dry	<input checked="" type="checkbox"/>	Damp	<input type="checkbox"/>	Wet	<input type="checkbox"/>	
Observations:	Seed was broadcast using a seeder, followed by harrowing to incorporate seed and improve contact with soil.						

### 5. Certification

I hereby certify that the information in this form and attachments is true and complete to the best of my knowledge and belief.

Name:	Ben J. Arguijo	Title:	Project Manager	Date:	7/15/2025
Signature:					

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 486605

QUESTIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 486605
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2429762272
Incident Name	NAPP2429762272 WHITTEN SWD ROW @ 0
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Whitten SWD ROW
Date Release Discovered	10/23/2024
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure   Pipeline (Any)   Crude Oil   Released: 258 BBL   Recovered: 144 BBL   Lost: 114 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Pipeline (Any)   Produced Water   Released: 2,321 BBL   Recovered: 1,296 BBL   Lost: 1,025 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 486605

**QUESTIONS (continued)**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 486605
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

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

**Initial Response**

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

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

*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: 10/29/2024
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QUESTIONS, Page 3

Action 486605

**QUESTIONS (continued)**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 486605
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Site Characterization</b>	
<i>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.</i>	
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	Direct Measurement
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 500 and 1000 (ft.)
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 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
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
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	16400
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	9300
GRO+DRO (EPA SW-846 Method 8015M)	7760
BTEX (EPA SW-846 Method 8021B or 8260B)	0.3
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	03/10/2025
On what date will (or did) the final sampling or liner inspection occur	06/04/2025
On what date will (or was) the remediation complete(d)	06/13/2025
What is the estimated surface area (in square feet) that will be reclaimed	43430
What is the estimated volume (in cubic yards) that will be reclaimed	6434
What is the estimated surface area (in square feet) that will be remediated	43430
What is the estimated volume (in cubic yards) that will be remediated	7876
<i>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.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 486605

**QUESTIONS (continued)**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 486605
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	<a href="#">LEA LAND LANDFILL [fEEM0112342028]</a>
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	No
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Matthew Taylor Title: Environmental Coordinator Email: <a href="mailto:matthew.taylor@permianres.com">matthew.taylor@permianres.com</a> Date: 07/18/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 486605

QUESTIONS (continued)

Operator:  Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID:  372165
	Action Number:  486605
	Action Type:  [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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



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Action 486605

**QUESTIONS (continued)**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 486605
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	468826
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/04/2025
What was the (estimated) number of samples that were to be gathered	42
What was the sampling surface area in square feet	15600

**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	43430
What was the total volume (cubic yards) remediated	7876
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	43430
What was the total volume (in cubic yards) reclaimed	6434
Summarize any additional remediation activities not included by answers (above)	Remediation activities have been completed at 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: <a href="mailto:matthew.taylor@permianres.com">matthew.taylor@permianres.com</a> Date: 07/18/2025
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Action 486605

**QUESTIONS (continued)**

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 486605
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Reclamation Report</b>	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	43430
What was the total volume of replacement material (in cubic yards) for this site	6434
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	07/08/2025
Summarize any additional reclamation activities not included by answers (above)	Reclamation activities have been completed at site.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Matthew Taylor Title: Environmental Coordinator Email: <a href="mailto:matthew.taylor@permianres.com">matthew.taylor@permianres.com</a> Date: 07/18/2025

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QUESTIONS, Page 8  
  
Action 486605

QUESTIONS (continued)

Operator:  Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID:  372165
	Action Number:  486605
	Action Type:  [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

<b>Revegetation Report</b>	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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CONDITIONS

Action 486605

CONDITIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 486605
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your reclamation/remediation closure report for Incident #NAPP2429762272 WHITTEN SWD ROW, thank you. The reclamation/remediation closure report is approved.	8/22/2025