

Remediation Summary & Soil Closure Request

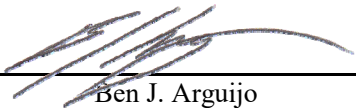
Mewbourne Oil Company Red Hills West Unit 27 Battery

Lea County, New Mexico
Unit Letter "O", Section 9, Township 26 South, Range 32 East
Latitude 32.05274° North, Longitude 103.67691° West
NMOCD Reference No. nAPP2521353327

Prepared By:

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October 10, 2025


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1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Mewbourne Oil Company, has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the Red Hills West 27 Battery (henceforth, "Site"). Details of the release are summarized below:

Location of Release Source				
Latitude:	32.05274	Longitude:	-103.67691	
Provided GPS are in WGS84 format.				
Site Name: Red Hills West Unit 27 Battery	Site Type: Pipeline			
Date Release Discovered: 7/19/2025	API # (if applicable): N/A			
Unit Letter	Section	Township	Range	County
"O"	9	26S	32E	Lea
Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name _____)				
Nature and Volume of Release				
☐ Crude Oil	Volume Released (bbls)		Volume Recovered (bbls)	
☒ Produced Water	215		165	
	Is the concentration of dissolved chloride in the produced water > 10,000 mg/L?		☒ Yes ☐ No ☐ N/A	
☐ Condensate	Volume Released (bbls)		Volume Recovered (bbls)	
☐ Natural Gas	Volume Released (Mcf)		Volume Recovered (Mcf)	
☐ Other (describe)	Volume/Weight Released		Volume/Weight Recovered	
Cause of Release: Equipment Failure - Pipeline				
Initial Response				
☒ The source of the release has been stopped. ☒ The impacted area has been secured to protect human health and the environment. ☒ Release materials have been contained via the use of berms or dikes, absorbent pad, or other containment devices ☒ All free liquids and recoverable materials have been removed and managed appropriately.				

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

2.0 SITE CHARACTERIZATION

What is the shallowest depth to groundwater (DTW) beneath the area affected by the release in feet below ground surface (bgs)?	Between 100 and 500 (ft.)
What method was used to determine the depth to groundwater?	NM OSE iWaters Database Search
Did the release impact groundwater or surface water?	☐ Yes ☒ No
What is the minimum distance between the closest lateral extents of the release and the following surface areas?	
A continuously flowing watercourse or any other significant watercourse?	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution or church?	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	Between 1 and 5 (mi.)
Any other fresh water well or spring?	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field?	Greater than 5 (mi.)
A wetland?	Between 1 and 5 (mi.)
A subsurface mine?	Greater than 5 (mi.)
A (non-karst) unstable area?	Between 1 and 100 (ft.)
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 ☐ No

Based on a review of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS), as well as previous interviews with other operators in the area, the probable depth to groundwater at the Site is estimated to be greater than 100 feet bgs.

On January 8, 2024, in conjunction with an unrelated release (Incident ID #nJXK1608134606), an exploratory soil boring (NMOSE well C-04787-POD1) was drilled approximately 0.4 miles southeast of the Site by a third-party environmental contractor. According to the associated drilling log provided in the *Revised Closure Report* for the release (Submission ID #332958), the soil boring was advanced to a total depth of 57 feet bgs and was noted to be "dry" both while drilling and upon completion. The drilling log and additional depth to groundwater information are provided in Appendix A.

A review of both recent and historical aerial imagery of the Site and the surrounding area identified an ephemeral wash adjacent to a portion of the affected area. However, the wash does not satisfy the criteria for a "significant watercourse," as defined in Subsection P of 19.15.17.7 of the New Mexico Administrative Code (NMAC), as it is neither "named or identified by a dashed blue line on a USGS 7.5 minute quadrangle map or the next lower order tributary with a defined bed and bank of such watercourse." It also does not satisfy the criteria for a "wetland," as defined in Subsection W(9) of 19.15.2.7 NMAC: "'Wetlands' means those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions in New Mexico." Furthermore, although the wash may be considered an "unstable area," the affected area is not within the wash; therefore, the release does not satisfy the criteria set forth in Subsection C(4)(g) of 19.15.29.12 NMAC.

A karst study of the affected area was conducted by an additional third-party environmental contractor on August 4, 2025. According to the *Environmental Karst Study Report* dated August 13, 2025, "No surface karst features exist within the 200-foot (61-meter) perimeter of the spill delineation boundary. No anomalies consistent with subsurface air- or water-filled voids

were found within the RH27 resistivity survey area, indicating the zone beneath the geophysical survey is not subject to collapse. Well layered stratigraphy is interpreted to exist beneath the area where the geophysical survey was conducted, indicating stable ground." The karst study report is provided as Appendix E.

Additional NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) and Fish and Wildlife Services (FWS) shapefiles; topographic maps; NMOSE and USGS databases; and aerial imagery. The results are depicted in Figures 1, 2A, 2B, and 5.

3.0 INITIAL SITE ASSESSMENT

On June 29, 2025, Etech conducted an initial site assessment. During the site assessment, test trenches and/or hand-augered soil bores (SP 2, SP 4, and SP 6 through SP 16) were advanced within the release margins to determine the vertical extent of impacted soil. In addition, hand-augered soil bores (NH 1, EH 1, SH 1, and WH 1) were advanced at the inferred edges of the affected area to determine the horizontal extent of impacted soil. During the advancement of the soil bores/test trenches, 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 34 delineation soil samples (NH 1 @ Sur, NH 1 @ 1', EH 1 @ Sur, EH 1 @ 1', SH 1 @ Sur, SH 1 @ 1', WH 1 @ Sur, WH 1 @ 1', SP 2 @ Sur, SP 2 @ 1', SP 4 @ Sur, SP 4 @ 4', SP 6 @ Sur, SP 6 @ 1', SP 7 @ Sur, SP 7 @ 2', SP 8 @ Sur, SP 8 @ 1', SP 9 @ Sur, SP 9 @ 1', SP 10 @ Sur, SP 10 @ 1', SP 11 @ Sur, SP 11 @ 1', SP 12 @ Sur, SP 12 @ 1', SP 13 @ Sur, SP 13 @ 1', SP 14 @ Sur, SP 14 @ 1', SP 15 @ Sur, SP 15 @ 1', SP 16 @ Sur, and SP 16 @ 1') were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that the horizontal extent of impacted soil was adequately defined, and the vertical extent of impacted soil ranged from one (1) foot bgs in the areas characterized by sample points SP 2, SP 6, and SP 8 through SP 16 to four (4) feet bgs in the area characterized by sample point SP 4.

On August 5, 2025, Etech returned to the Site to continue delineation of the affected area. Test trenches and/or hand-augered soil bores were advanced within the release margins to further investigate the vertical extent of impacted soil. Based on field test results and field observations, three (3) additional delineation soil samples (SP 1 @ 5', SP 3 @ 3', and SP 5 @ 2') were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that the vertical extent of impacted soil was adequately defined and ranged from two (2) feet bgs in the area characterized by sample point SP 5 to five (5) feet bgs in the area characterized by sample point SP 1.

On August 8, 2025, Etech collected two (2) additional delineation soil samples (SP 1 @ Sur and SP 13 @ 2') from ground surface in the area characterized by sample point SP 1 and at approximately two (2) feet bgs in the area characterized by sample point SP 13. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that the vertical extent of impacted soil was adequately defined in the areas characterized by sample points SP 1 and SP 13.

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

4.0 REGULATORY APPROVALS & STIPULATIONS

On September 9, 2025, based on the information summarized in Sections 2.0 and 3.0 above, Mewbourne Oil Company submitted a *Site Assessment Summary, Proposed Remediation Plan & Alternative Sampling Plan* 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. It was also requested that the Closure Criteria for the Site be revised to the Table 1 standards for a release where the depth to groundwater is between 51 and 100 feet bgs.

On September 12, 2025, the requests were conditionally approved by the NMOCD, with the following stipulations: "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 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. The variance request for 400' sampling is approved. Confirmation samples should be collected every 400 ft². The work will need to occur in 90 days after the work plan has been reviewed."

The revised Closure Criteria for the Site are as follows:

Closure Criteria for Soils Impacted by a Release

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

* Measured in milligrams per kilogram (mg/kg)

** Environmental Protection Agency

† Table I of Section 19.15.29.12 NMAC

The complete text of the *Site Assessment Summary, Proposed Remediation Plan & Alternative Sampling Plan* is available in the NMOCD Permitting system. Copies of all regulatory correspondence are provided in Appendix F.

5.0 REMEDIATION ACTIVITIES SUMMARY

On August 7, 2025, remediation activities commenced at the Site. Impacted soil affected above the revised Closure Criteria 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 extent of impacted soil and to guide the excavation. The excavation floor was advanced until field tests and field observations suggested that BTEX, TPH, and chloride concentrations were below the revised Closure Criteria. In accordance with NMOCD stipulations, the excavation sidewalls were advanced to 600 mg/kg chloride and 100 mg/kg TPH. Representative five-point composite confirmation soil samples were collected every 400 square feet to be submitted for laboratory analysis.

On August 8, 2025, Etech collected 41 confirmation soil samples (FL 1 @ 0–3" through FL 41 @ 0–3") 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 Closure Criteria in each of the submitted soil samples, with the exception of samples FL 6 @ 0–3", FL 10 @ 0–3", and FL 14 @ 0–3", which exceeded the Closure Criterion for chloride. Based on these laboratory analytical results, the excavation was subsequently further advanced in the areas characterized by samples FL 6 @ 0–3", FL 10 @ 0–3", and FL 14 @ 0–3".

On August 11, 2025, Etech collected 42 confirmation soil samples (FL 43 @ 0–3" through FL 84 @ 0–3") 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 Closure Criteria in each of the submitted soil samples, with the exception of samples FL 75 @ 0–3" and FL 76 @ 0–3", which exceeded the Closure Criterion for chloride. Based on these laboratory analytical results, the excavation was subsequently further advanced in the areas characterized by samples FL 75 @ 0–3" and FL 76 @ 0–3".

On August 12, 2025, Etech collected 85 confirmation soil samples (FL 85 @ 0–3" through FL 151 @ 0–3", NW 1 through NW 4, EW 1 through EW 5, SW 1 through SW 4, and WW 1 through WW 5) from the floor and sidewalls of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable Closure Criteria in each of the submitted

soil samples, with the exception of sample FL 130 @ 0–3", which exceed the Closure Criterion for chloride. Based on these laboratory analytical results, the excavation was subsequently further advanced in the area characterized by sample FL 130 @ 0–3".

On August 19, 2025, Etech collected five (5) confirmation soil samples (FL 6 @ 6", FL 10 @ 6", FL 14 @ 6", FL 75 @ 6", and FL 76 @ 6") 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 Closure Criteria in each of the submitted soil samples.

On August 20, 2025, Etech collected one (1) confirmation soil sample (FL 130 @ 6") from the floor of the excavated area. 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 Closure Criteria.

The final dimensions of the excavated area were approximately 278 to 392 feet in length, nine (9) to 133 feet in width, and three (3) to six (6) inches in depth. During the course of remediation activities, Etech transported approximately 180 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported 180 cubic yards of locally sourced, non-impacted material to the Site for use as backfill.

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

6.0 REMEDIATION CLOSURE REQUEST

Remediation activities were conducted in accordance with the NMOCD-approved *Site Assessment Summary, Proposed Remediation Plan & Alternative Sampling Plan*. Impacted soil affected above the Revised 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 Revised Closure Criteria and/or NMOCD Reclamation Standards.

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

7.0 RESTORATION, RECLAMATION & RE-VEGETATION PLAN

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. The excavation was backfilled with non-impacted, "like" material sourced from the nearby Battle Axe Ranch borrow pit and emplaced at or near original relative positions. The affected areas were compacted and contoured to achieve erosion control, stability, and preservation of surface water flow, to the extent practicable.

On October 7, 2025, a 5-point composite soil sample (Backfill Pit) was collected at the Battle Axe Ranch Pit to ensure that material obtained from therein was suitable for use as backfill at remediation/reclamation sites in the area. The soil sample was submitted to the laboratory for analysis of BTEX, TPH, and chloride concentrations. Laboratory analytical results indicated that BTEX, TPH, and chloride concentrations were below the applicable Closure Criteria for the Site and NMOCD Reclamation Standards (600 mg/kg chloride and 100 mg/kg TPH), confirming that material obtained from the Battle Axe Ranch Pit was acceptable for use as backfill.

The release was limited to the production pad of an active tank battery and did not impact the adjacent pasture. Final reclamation and revegetation will be conducted upon decommissioning and abandonment of the facility. The reclaimed area will be revegetated with an agency and/or landowner-approved seed mix during the first favorable growing season following closure of the facility. The seed mix will be certified as weed-free and installed at the prescribed rate utilizing either a seed drill or a broadcaster and harrow.

8.0 LIMITATIONS

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

This report has been prepared for the benefit of Mewbourne Oil Company. Use of the information contained in this report is prohibited without the consent of Etech and/or Mewbourne Oil Company.

9.0 DISTRIBUTION

Mewbourne Oil Company

4801 Business Park Blvd.

Hobbs, NM 88240

New Mexico Energy, Minerals and Natural Resources Department

Oil Conservation Division, District 1

1220 South St. Francis Drive

Santa Fe, NM 87505

United States Department of the Interior

Bureau of Land Management

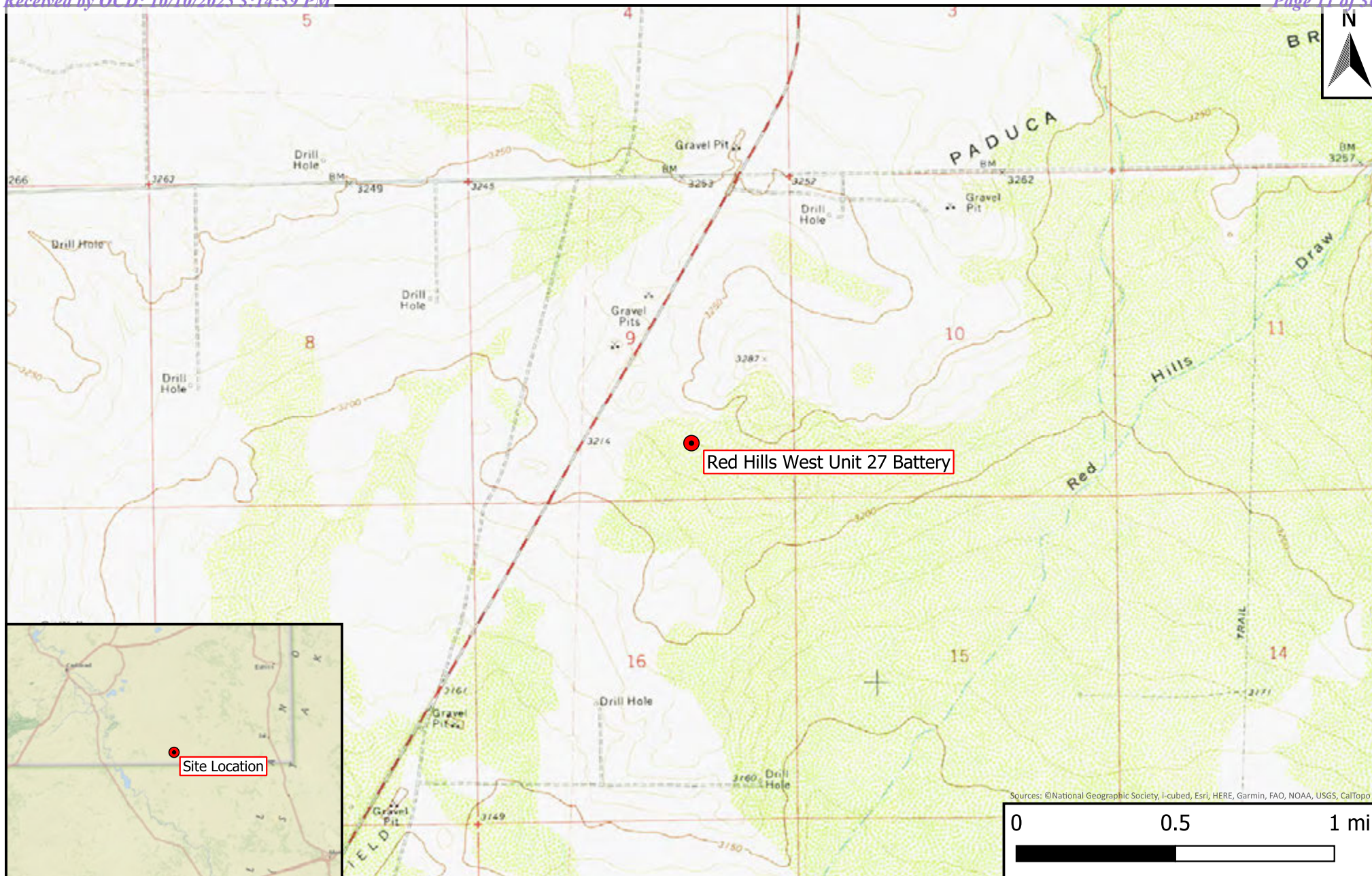
620 E. Greene Street

Carlsbad, NM 88220

(Electronic Submission)

Figure 1

Site Location Map

**Legend**

- Site Location

Figure 1
 Site Location Map
 Mewbourne Oil Company
 Red Hills West Unit 27 Battery
 GPS: 32.05274, -103.67691
 Lea County, New Mexico



Drafted: bja

Checked: rlc

Date: 8/19/25

Figures 2A & 2B

Site Characterization Maps

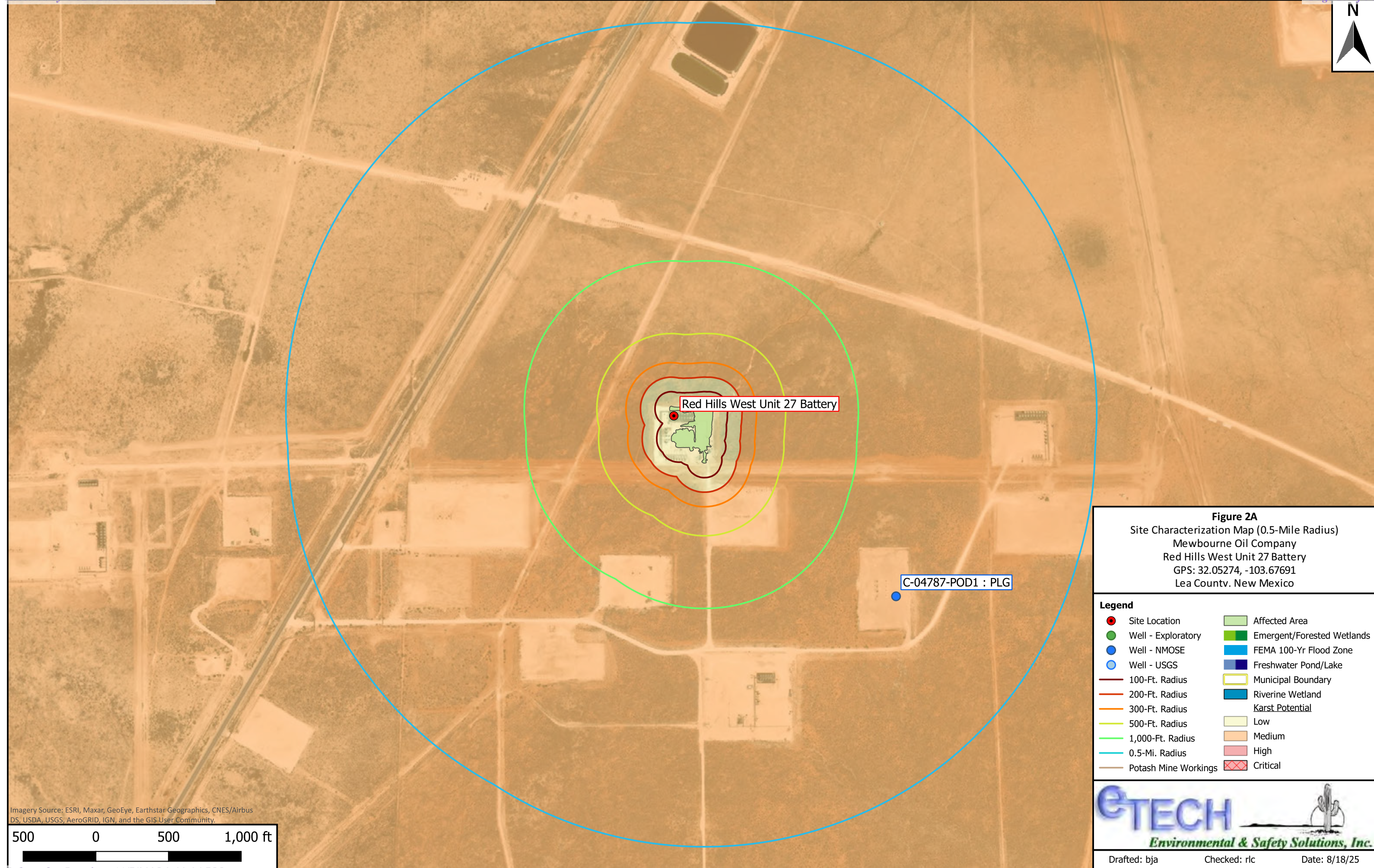


Figure 2A
Site Characterization Map (0.5-Mile Radius)
Mewbourne Oil Company
Red Hills West Unit 27 Battery
GPS: 32.05274, -103.67691
Lea Countv. New Mexico

Legend

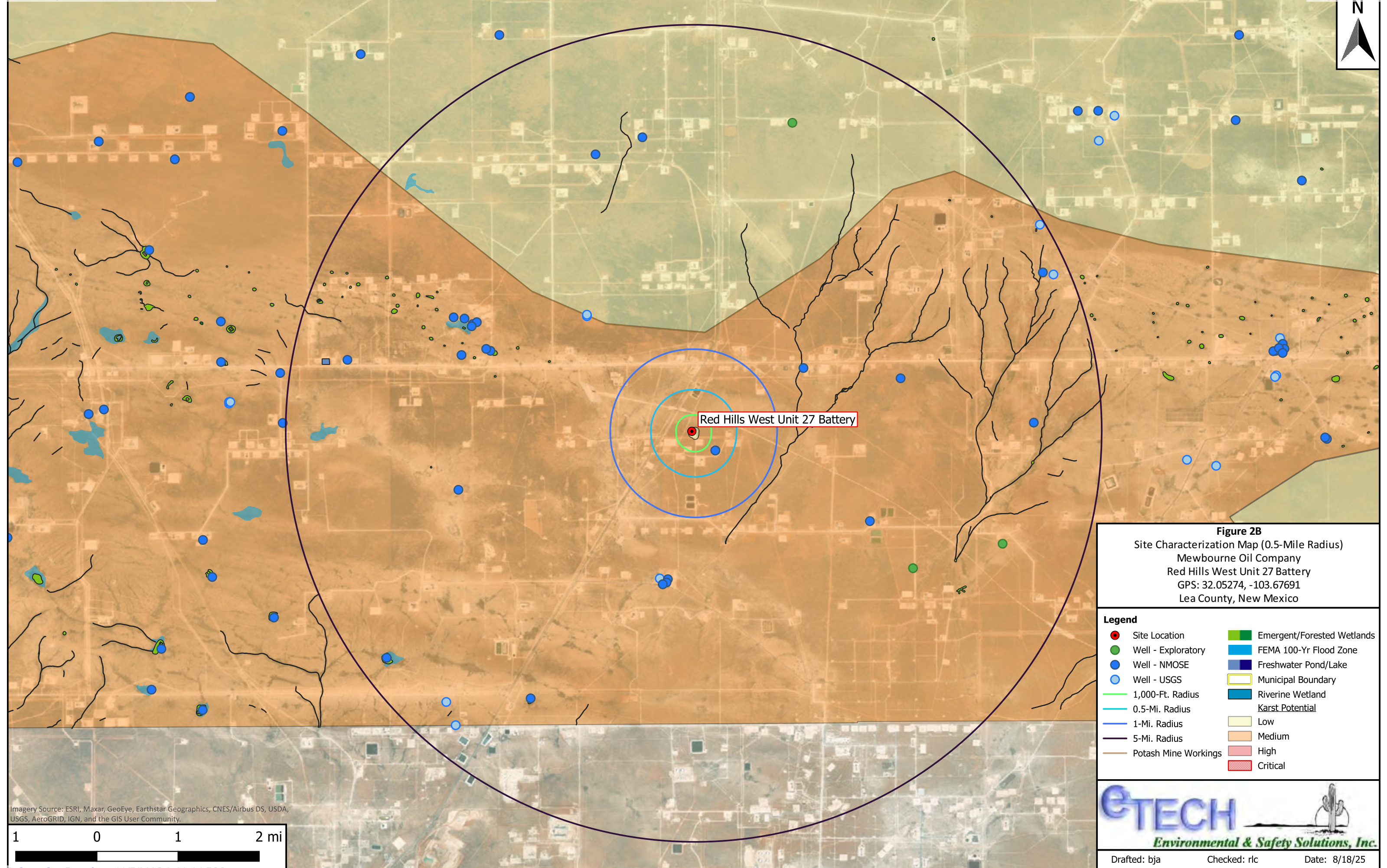
Site Location	Affected Area
Well - Exploratory	Emergent/Forested Wetlands
Well - NMOSE	FEMA 100-Yr Flood Zone
Well - USGS	Freshwater Pond/Lake
100-Ft. Radius	Municipal Boundary
200-Ft. Radius	Riverine Wetland
300-Ft. Radius	Karst Potential
500-Ft. Radius	Low
1,000-Ft. Radius	Medium
0.5-Mi. Radius	High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

ETECH
Environmental & Safety Solutions, Inc.

Drafted: bja Checked: rlc Date: 8/18/25

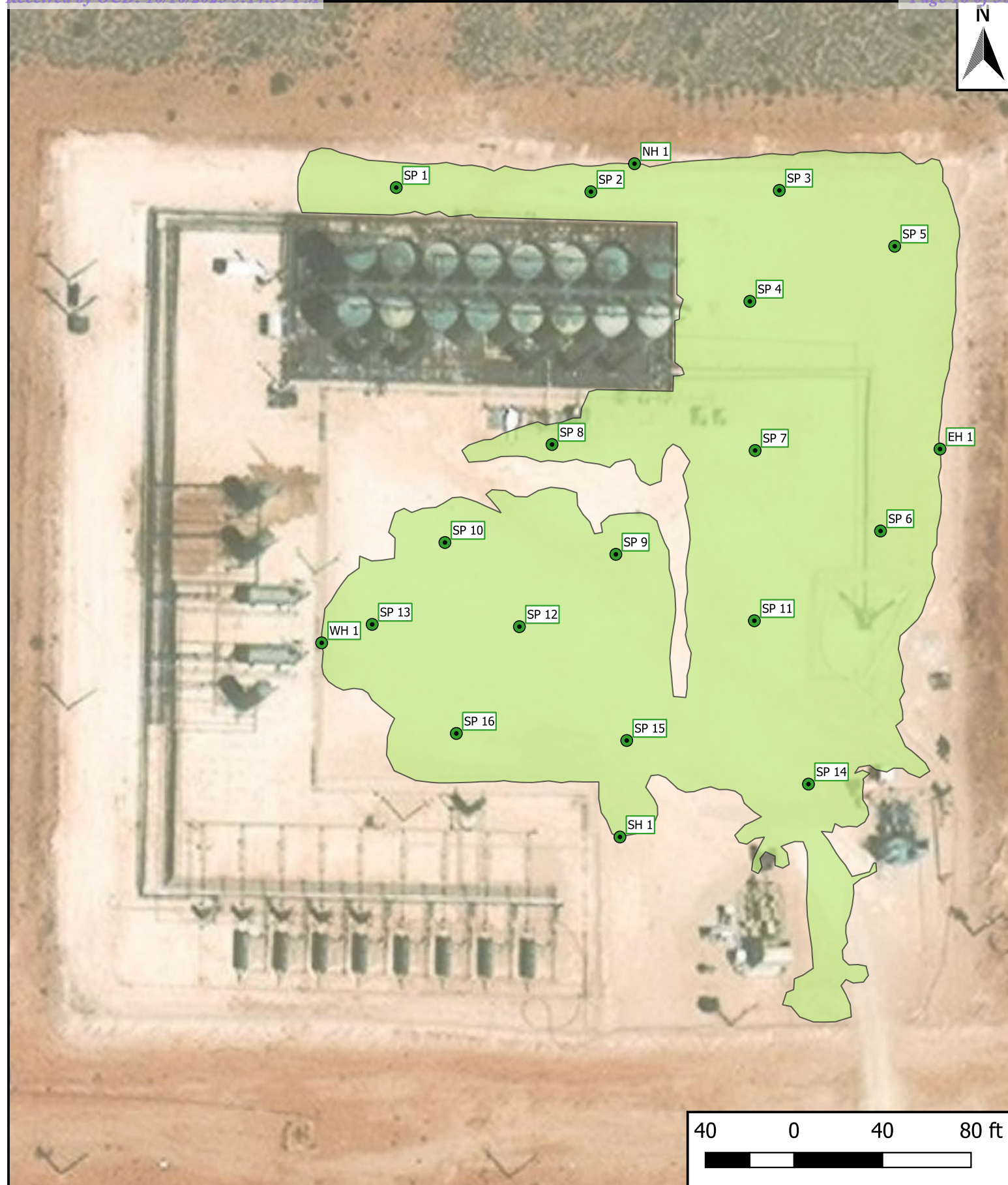
Imagery Source: ESRI, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.





Figures 3A & 3B

Sample Location Maps

**Legend**

- Affected Area (~59,586 ft²)
- Delineation Sample Location

Figure 3A

Sample Location Map - Delineation
 Mewbourne Oil Company
 Red Hills West Unit 27 Battery
 GPS: 32.05274, -103.67691
 Lea County, New Mexico



Drafted: bja

Checked: rlc

Date: 8/19/25

**Legend**

- Excavation Extent (~59,824 ft²)
- Composite Floor Sample
- ←→ Composite Wall Sample

Figure 3B

Sample Location Map - Excavation
 Mewbourne Oil Company
 Red Hills West Unit 27 Battery
 GPS: 32.05274, -103.67691
 Lea County, New Mexico



Drafted: bja

Checked: rlc

Date: 10/8/25

Table 1
Concentrations of BTEX, TPH & Chloride in Soil

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Mewbourne Oil Company
Red Hills West Unit 27 Battery
NMOCD Ref. #: nAPP2521353327

NMOCD Closure Criteria					10	50	N/A	N/A	1,000	N/A	2,500	10,000
NMOCD Reclamation Standard					10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Type	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
					Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
NH 1 @ Sur	7/29/2025	0	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
NH 1 @ 1'	7/29/2025	1	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	416
EH 1 @ Sur	7/29/2025	0	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
EH 1 @ 1'	7/29/2025	1	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	496
SH 1 @ Sur	7/29/2025	0	D	In-Situ	<0.050	<0.300	<10.0	12.1	12.1	<10.0	12.1	224
SH 1 @ 1'	7/29/2025	1	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
WH 1 @ Sur	7/29/2025	0	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
WH 1 @ 1'	7/29/2025	1	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
SP 1 @ Sur	8/8/2025	0	D	Excavated	<0.050	<0.300	<10.0	252	252	64.0	316	5,760
SP 1 @ 5'	8/5/2025	5	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
SP 2 @ Sur	7/29/2025	0	D	Excavated	<0.050	<0.300	<10.0	16.9	16.9	<10.0	16.9	8,800
SP 2 @ 1'	7/29/2025	1	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0
SP 3 @ 3'	8/5/2025	3	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SP 4 @ Sur	7/29/2025	0	D	Excavated	<0.050	<0.300	<10.0	26.3	26.3	<10.0	26.3	7,330
SP 4 @ 4'	7/29/2025	4	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
SP 5 @ 2'	8/5/2025	2	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
SP 6 @ Sur	7/29/2025	0	D	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,000
SP 6 @ 1'	7/29/2025	1	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SP 7 @ Sur	7/29/2025	0	D	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,930
SP 7 @ 2'	7/29/2025	2	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
SP 8 @ Sur	7/29/2025	0	D	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,860
SP 8 @ 1'	7/29/2025	1	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
SP 9 @ Sur	7/29/2025	0	D	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,680
SP 9 @ 1'	7/29/2025	1	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SP 10 @ Sur	7/29/2025	0	D	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,920
SP 10 @ 1'	7/29/2025	1	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SP 11 @ Sur	7/29/2025	0	D	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,320
SP 11 @ 1'	7/29/2025	1	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
SP 12 @ Sur	7/29/2025	0	D	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,360
SP 12 @ 1'	7/29/2025	1	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
SP 13 @ Sur	7/29/2025	0	D	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	10,100
SP 13 @ 1'	7/29/2025	1	D	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	656
SP 13 @ 2'	8/8/2025	2	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SP 14 @ Sur	7/29/2025	0	D	Excavated	<0.050	<0.300	<10.0	28.6	28.6	<10.0	28.6	6,240
SP 14 @ 1'	7/29/2025	1	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
SP 15 @ Sur	7/29/2025	0	D	Excavated	<0.050	<0.300	<10.0	10.4	10.4	<10.0	10.4	6,000
SP 15 @ 1'	7/29/2025	1	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
SP 16 @ Sur	7/29/2025	0	D	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	9,360
SP 16 @ 1'	7/29/2025	1	D	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 1 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	642	642	160	802	2,320
FL 2 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	468	468	121	589	2,920

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Red Border with Shading: Highest observed concentration.

A - Assessment

B - Background

C - Confirmation

D - Delineation

F - Backfill

O - Other

R - Deferral

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Mewbourne Oil Company
Red Hills West Unit 27 Battery
NMOCD Ref. #: nAPP2521353327

NMOCD Closure Criteria					10	50	N/A	N/A	1,000	N/A	2,500	10,000
NMOCD Reclamation Standard					10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Type	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
					Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
FL 3 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,520
FL 4 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	550	550	137	687	2,560
FL 5 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	69.5	69.5	17.9	87.4	3,400
FL 6 @ 0-3"	8/8/2025	0.25	C	Excavated	<0.050	<0.300	<10.0	203	203	60.3	263	15,100
FL 6 @ 6"	8/19/2025	0.5	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,200
FL 7 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,900
FL 8 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,760
FL 9 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	42.3	42.3	21.2	63.5	6,560
FL 10 @ 0-3"	8/8/2025	0.25	C	Excavated	<0.050	<0.300	<10.0	98.8	98.8	45.5	144	11,000
FL 10 @ 6"	8/19/2025	0.5	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,200
FL 11 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,200
FL 12 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,080
FL 13 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	27.9	27.9	13.2	41.1	5,520
FL 14 @ 0-3"	8/8/2025	0.25	C	Excavated	<0.050	<0.300	<10.0	159	159	67.3	226	10,500
FL 14 @ 6"	8/19/2025	0.5	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,080
FL 15 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,040
FL 16 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,120
FL 17 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	79.1	79.1	29.7	109	3,920
FL 18 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	112	112	44.2	156	4,160
FL 19 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	17.4	17.4	<10.0	17.4	4,080
FL 20 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	22.1	22.1	<10.0	22.1	4,240
FL 21 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	368
FL 22 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	688
FL 23 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	31.8	31.8	13.1	44.9	2,600
FL 24 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	14.1	14.1	<10.0	14.1	1,620
FL 25 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	82.4	82.4	41.4	124	6,400
FL 26 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,280
FL 27 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	73.6	73.6	38.6	112	5,000
FL 28 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	61.3	61.3	19.7	81.0	9,840
FL 29 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,180
FL 30 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,840
FL 31 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,240
FL 32 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,160
FL 33 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,090
FL 34 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,160
FL 35 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,920
FL 36 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,370
FL 37 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,840
FL 38 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	11.1	11.1	<10.0	11.1	3,040
FL 39 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	15.6	15.6	<10.0	15.6	3,280
FL 40 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,920

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Red Border with Shading: Highest observed concentration.

A - Assessment

B - Background

C - Confirmation

D - Delineation

F - Backfill

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R - Deferral

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Mewbourne Oil Company
Red Hills West Unit 27 Battery
NMOCD Ref. #: nAPP2521353327

NMOCD Closure Criteria					10	50	N/A	N/A	1,000	N/A	2,500	10,000
NMOCD Reclamation Standard					10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Type	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
					Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
FL 41 @ 0-3"	8/8/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,920
FL 43 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,520
FL 44 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,080
FL 45 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,340
FL 46 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,080
FL 47 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,200
FL 48 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,680
FL 49 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,280
FL 50 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,260
FL 51 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,060
FL 52 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,200
FL 53 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,040
FL 54 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,300
FL 55 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	551	551	99.8	651	1,900
FL 56 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,160
FL 57 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,960
FL 58 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,800
FL 59 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,360
FL 60 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,280
FL 61 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,000
FL 62 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,600
FL 63 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 64 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
FL 65 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,740
FL 66 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,890
FL 67 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,520
FL 68 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,200
FL 69 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FL 70 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	64.0
FL 71 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 72 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 73 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	256
FL 74 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	272
FL 75 @ 0-3"	8/11/2025	0.25	C	Excavated	<0.050	<0.300	<10.0	10.0	10.0	<10.0	10.0	12,000
FL 75 @ 6"	8/19/2025	0.5	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	240
FL 76 @ 0-3"	8/11/2025	0.25	C	Excavated	<0.050	<0.300	<10.0	11.9	11.9	<10.0	11.9	12,800
FL 76 @ 6"	8/19/2025	0.5	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,580
FL 77 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,860
FL 78 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	30.5	30.5	4,880
FL 79 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,280
FL 80 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	96.0

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Red Border with Shading: Highest observed concentration.

A - Assessment

B - Background

C - Confirmation

D - Delineation

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R - Deferral

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Mewbourne Oil Company
Red Hills West Unit 27 Battery
NMOCD Ref. #: nAPP2521353327

NMOCD Closure Criteria					10	50	N/A	N/A	1,000	N/A	2,500	10,000
NMOCD Reclamation Standard					10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Type	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
					Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
FL 81 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 82 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,320
FL 83 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,680
FL 84 @ 0-3"	8/11/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,520
FL 85 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	14.0	14.0	<10.0	14.0	1,570
FL 86 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	134	134	31.0	165	544
FL 87 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	150	150	39.2	189	352
FL 88 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	976
FL 89 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	113	113	26.2	139	352
FL 90 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	21.5	21.5	<10.0	21.5	2,030
FL 91 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	11.3	11.3	<10.0	11.3	1,660
FL 92 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	848
FL 93 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	592
FL 94 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	912
FL 95 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	132	132	42.9	175	4,280
FL 96 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	186	186	60.7	247	5,200
FL 97 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	15.7	15.7	<10.0	15.7	640
FL 98 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,760
FL 99 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,660
FL 100 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 101 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 102 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 103 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 104 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	160
FL 105 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,200
FL 106 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	13.4	13.4	<10.0	13.4	4,720
FL 107 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,120
FL 108 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,960
FL 109 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,010
FL 110 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,880
FL 111 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,920
FL 112 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,280
FL 113 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,080
FL 114 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,760
FL 115 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,140
FL 116 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,080
FL 117 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,000
FL 118 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	49.6	49.6	12.7	62.3	9,360
FL 119 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,650
FL 120 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,520
FL 121 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,410

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

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

Red Border with Shading: Highest observed concentration.

A - Assessment

B - Background

C - Confirmation

D - Delineation

F - Backfill

O - Other

R - Deferral

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Mewbourne Oil Company
Red Hills West Unit 27 Battery
NMOCD Ref. #: nAPP2521353327

NMOCD Closure Criteria					10	50	N/A	N/A	1,000	N/A	2,500	10,000
NMOCD Reclamation Standard					10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Type	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
					Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
FL 122 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,160
FL 123 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,920
FL 124 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,970
FL 125 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,030
FL 126 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,360
FL 127 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,580
FL 128 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,760
FL 129 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,040
FL 130 @ 0-3"	8/12/2025	0.25	C	Excavated	<0.050	<0.300	<10.0	65.8	65.8	15.3	81.1	10,100
FL 130 @ 6"	8/20/2025	0.5	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	864
FL 131 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,380
FL 132 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,730
FL 133 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	5,920
FL 134 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,480
FL 135 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,190
FL 136 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,240
FL 137 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,730
FL 138 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	6,480
FL 139 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,120
FL 140 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,220
FL 141 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,240
FL 142 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	4,040
FL 143 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,020
FL 144 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,080
FL 145 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,400
FL 146 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,280
FL 147 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,790
FL 148 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	848
FL 149 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,140
FL 150 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,800
FL 151 @ 0-3"	8/12/2025	0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	976
NW 1	8/12/2025	0-0.5	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 2	8/12/2025	0-0.5	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 3	8/12/2025	0-0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
NW 4	8/12/2025	0-0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
EW 1	8/12/2025	0-0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
EW 2	8/12/2025	0-0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
EW 3	8/12/2025	0-0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
EW 4	8/12/2025	0-0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
EW 5	8/12/2025	0-0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
SW 1	8/12/2025	0-0.5	C	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.

A - Assessment

B - Background

C - Confirmation

D - Delineation

F - Backfill

O - Other

R - Deferral

Table 1
Concentrations of BTEX, TPH & Chloride in Soil
Mewbourne Oil Company
Red Hills West Unit 27 Battery
NMOCD Ref. #: nAPP2521353327

NMOCD Closure Criteria					10	50	N/A	N/A	1,000	N/A	2,500	10,000
NMOCD Reclamation Standard					10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Type	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
					Benzene (mg/kg)	BTEX (mg/kg)	GRO C ₆ -C ₁₀ (mg/kg)	DRO C ₁₀ -C ₂₈ (mg/kg)	GRO + DRO C ₆ -C ₂₈ (mg/kg)	ORO C ₂₈ -C ₃₆ (mg/kg)	TPH C ₆ -C ₃₆ (mg/kg)	Chloride (mg/kg)
SW 2	8/12/2025	0-0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW 3	8/12/2025	0-0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
SW 4	8/12/2025	0-0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WW 1	8/12/2025	0-0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WW 2	8/12/2025	0-0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WW 3	8/12/2025	0-0.5	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WW 4	8/12/2025	0-0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
WW 5	8/12/2025	0-0.25	C	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<16.0
Backfill Pit	10/7/2025	N/A	F	Stockpile	<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.

A - Assessment

B - Background

C - Confirmation

D - Delineation

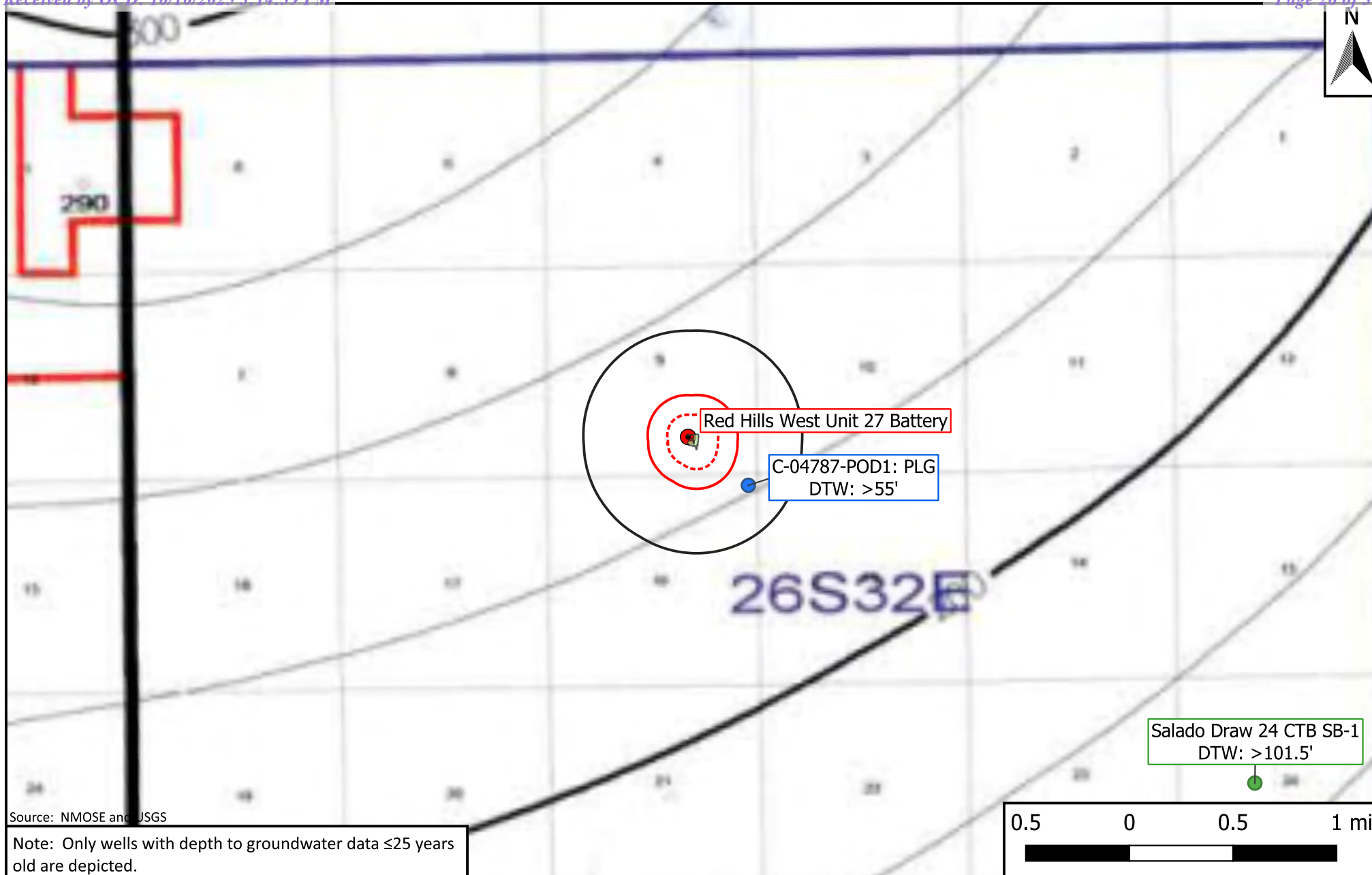
F - Backfill

O - Other

R - Deferral

Appendix A

Depth to Groundwater Information

**Legend**

- | | |
|-----------------|-------------------|
| ● Site Location | ■ Affected Area |
| ● Well - NMOSE | □ 500-Ft Radius |
| ● Well - USGS | □ 1,000-Ft Radius |
| ● Well - Other | □ 0.5-Mi Radius |

Figure 5
 Inferred Depth to Groundwater Map
 Mewbourne Oil Company
 Red Hills West Unit 27 Battery
 GPS: 32.05274, -103.67691
 Lea County, New Mexico



Drafted: bja

Checked: rlc

Date: 8/19/25

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
NA	C 04787 POD1	NE	NE	NE	16	26S	32E	625374.5	3546671.4	

* UTM location was derived from PLSS - see Help

Driller License:

Driller Company:

Driller Name:

Drill Start Date:

Drill Finish Date:

Plug Date:

2024-02-06

Log File Date:

PCW Rcv Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well:

Depth Water:

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

Released to Imaging: 11/7/2025 3:00:34 PM

Appendix B

Field Data



Sample Log

Date: _____

Project: _____

Project Number: _____ Latitude: _____ Longitude: _____

Sample ID	PID/Odor	Chloride Conc.	GPS
SP1 @ SVR 7.6	—	2184	
SP1 @ 1 7.4	—	2040	
SP1 @ 2 6.2	—	1372	
SP1 @ 3 4.0	—	592	
SP1 @ 4 5.6	—	1116	
SP2 @ SVR 8.0	—	2516	
SP2 @ 1 3.4	—	440	
SP3 @ SVR 7.8	—	2340	
SP3 @ 1 4.6	—	768	
SP3 @ 2 4.2	—	648	
SP3 @ 3 Ref	—	Refusal	
SP4 @ SVR	—	2516	
SP4 @ 1	—	2340	
SP4 @ 2	—	768	
SP4 @ 3	—	964	
SP4 @ 4	—	312	
SP5 @ SVR	—	2516	
SP5 @ 1	—	2516	
SP5 @ 2 Ref	—	Ref	
SP6 @ SVR	—	2516	
SP6 @ 1	—	312	
SP7 @ SVR	—	72516	
SP7 @ 1	—	920	
SP7 @ 2	—	352	
SP8 @ SVR	—	2256	
SP8 @ 1	—	122	
SP9 @ SVR 6.8	—	1672	
SP9 @ 1 3.0	—	352	
SP12 @ SVR 78.0	—	2516	
SP12 @ 1 2.6	—	276	
SP10 @ SVR 7.8	—	2340	
SP10 @ 1 3.8	—	540	
SP11 @ SVR 7.4	—	2040	
SP11 @ 1 3.8	—	540	
SP13 @ SVR 8.0	—	72516	
SP13 @ 1 3.8	—	540	

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 @ Sb or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

Project:

Project Number: _____ Latitude: _____ Longitude: _____

[illegible]

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

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

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

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas



Date: _____

Project Number: 22714 Latitude: 32.052347 Longitude: -103.676651

GPS Sample Points, Center of Comp Areas



Sample Log

Date: _____

Project: Red Hills West Unit 27

Project Number: 22714 Latitude: 32.052347 Longitude: -103.676651

Sample ID	PID/Odor	Chloride Conc.	GPS
FL-1 @	-	3,132	
FL-2 @	-		
FL-3 @	-		
FL-4 @	-		
FL-5 @	-	5,204	
FL-6 @	-	5,204	
FL-7 @	-	4,420	
FL-8 @	-	4,480	
FL-9 @	-	5,204	
FL-10 @	-	5,204	
FL-11 @	-	4,420	
FL-12 @	-	4,480	
FL-13 @	-	5,204	
FL-14 @	-	5,204	
FL-15 @	-	4,420	
FL-16 @	-	4,480	
FL-17 @	-	4,188	
FL-18 @	-	4,188	
FL-19 @	-	3,732	
FL-20 @	-	3,732	
FL-21 @	-	1,920	
FL-22 @	-	1,920	
FL-23 @	-	1,920	
FL-24 @	-	2,132	
FL-25	-	4,800	
FL-26	-	5,644	
FL-27	-	5,644	
FL-28	-	4,480	
FL-29	-	1,716	
FL-30	-	3,132	
FL-31	-	3,732	
FL-32	-	4,420	
FL-33	-	4,708	
FL-34	-	1,600	
FL-35	-	3,460	
FL-36	-	2,712	

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: Red Hills West Unit 27

Project Number: 22714 Latitude: 32.052347 Longitude: -103.676651

Sample ID	PID/Odor	Chloride Conc.	GPS
FL-37	—	3,460	
FL-38	—	3,741	
FL-39	—	4,056	
FL-40	—	1,756	
FL-41	—		
NW-1	—	440	
NW-2	—	204	
WD-1	—	312	
SW-1	—	396	
WW-2	—	240	
EW-1	—	144	
FL-43	—	1,756	
FL-44	—	1,756	
FL-45	—	1,600	
FL-46	—	3,192	
FL-47	—	3,460	
FL-48	—	3,741	
FL-49	—	2,712	
FL-50	—	1,448	
FL-51	—	2,104	
FL-52	—	2,104	
FL-53	—	1,924	
FL-54	—	1,600	
EW-2	—		
FL-55	—	3,741	
FL-56	—	2,292	
FL-57	—	1,392	
FL-58	—	2,292	
FL-59	—	3,192	
FL-60	—	2,292	
FL-61	—	1,176	
FL-62	—	2,496	
FL-63	—	282	
FL-64	—	276	
FL-65	—	2,712	
FL-66	—	2,516	

Sample Point = SP #1 @ ## etc

Test Trench = TT #1 @ ##

Resamples = SP #1 @ Sb 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: Red Hills West Unit 27

Project Number: 22714 Latitude: 32.052347 Longitude: -103.676651

Sample ID	PID/Odor	Chloride Conc.	GPS
FL-67	-	3794	
FL-68	-	4040	
FL-69	-	704	
FL-70	-	828	
FL-71	-	144	
FL-72	-	592	
FL-73	-	352	
FL-74	-	352	
FL-75	-	4056	
FL-76	-	4392	
FL-77	-	1756	
FL-78	-	2104	
FL-79	-	3152	
FL-80	-	352	
FL-81	-	N/D	
FL-82	-	4392	
FL-83	-	4756	
FL-84	-	3152	
FL-85	-	3584	
FL-86	-		
FL-87	-		
FL-88	-	500	
FL-89	-	2040	
FL-90	-	2196	
FL-91	-	2184	
FL-92	-	2184	
FL-93	-	396	
FL-94	-	912	
FL-95	-	352	
FL-96	-	396	
FL-97	-	352	
FL-98	-	2496	
FL-99	-	592	
FL-100	-	276	
FL-101	-	276	

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: Red Hills West Unit 27

Project Number: 22714 Latitude: 32.052347 Longitude: -103.676651

Sample ID	PID/Odor	Chloride Conc.	GPS
FL-102	—	1,541	
FL-103	—	204	
FL-104	—	240	
FL-105	—	5,548	
FL-106	—	9,756	
FL-107	—	5,152	
FL-108	—	1,584	
FL-109	—	1,672	
FL-110	—	5,584	
FL-111	—	1,568	
FL-112	—	2,184	
FL-113	—	1,908	
FL-114	—	1,908	
FL-115	—	1,196	
FL-116	—	3,192	
FL-117	—	1,672	
FL-118	—	5,584	
FL-119	—	1,756	
FL-120	—	1,756	
FL-121	—	1,584	
FL-122	—	1,672	
FL-123	—	5,584	
FL-124	—	1,568	
FL-125	—	2,184	
FL-126	—	1,908	
FL-127	—	3,192	
FL-128	—	1,672	
FL-129	—	1,672	
FL-130	—	5,548	
FL-131	—	1,196	
FL-132	—	1,196	
FL-133	—	6,056	
FL-134	—	2,104	
FL-135	—	2,292	
FL-136	—	2,196	
FL-137	—	2,292	

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: Red Hills West Unit 27

Project Number: 22714 Latitude: 32.052347 Longitude: -103.676651

[illegible]

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ #44

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



Soil Profile

Date: _____

Project: Red Hills West Unit 27

Project Number: 22714 Latitude: 32.052347 Longitude: -103.676651

Depth (ft. bgs)

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
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24
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27
28
29
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31
32
33
34
35
36
37
38
39
40Description
Imported Fill
6" TD

Appendix C

Photographic Log

Photographic Log

Photo Number: 1	
Photo Direction: Southeast	
Date: 7/19/2025	
Coordinates: 32.052844,-103.676771	
Photo Description: Release point.	

Photo Number: 2	
Photo Direction: East	
Date: 7/19/2025	
Coordinates: 32.052879,-103.677009	
Photo Description: View of the affected area.	

Photographic Log

Photo Number: 3	
Photo Direction: Southeast	
Date: 7/19/2025	
Coordinates: 32.052916,-103.676553	
Photo Description: View of the affected area.	

Photo Number: 4	
Photo Direction: South	
Date: 7/19/2025	
Coordinates: 32.052925,-103.676276	
Photo Description: View of the affected area.	

Photographic Log

Photo Number: 5	 Aug 12, 2025 at 3:47:32 PM 187° S Altitude:987.6meter Speed:0.7km/h View of the excavated area.
Photo Direction: South	
Photo Description:	

Photo Number: 6	 Aug 12, 2025 at 3:47:34 PM 209° SW Altitude:987.6meter Speed:0.7km/h View of the excavated area.
Photo Direction: South-Southwest	
Photo Description:	

Photographic Log

Photo Number: 7	 Aug 12, 2025 at 3:47:36 PM 228° SW Altitude: 987.9 meter Speed: 0.9 km/h View of the excavated area.
Photo Direction: Southwest	
Photo Description:	

Photo Number: 8	 Aug 12, 2025 at 4:48:03 PM +32.052799, -103.676179 104° E Altitude: 987.2 meter Speed: 1.6 km/h View of the excavated area.
Photo Direction: East-Southeast	
Photo Description:	

Photographic Log

Photo Number: 9	 Aug 12, 2025 at 4:48:05 PM +32.052799,-103.676179 132° SE Altitude:987.2meter Speed:1.6km/h
Photo Direction: Southeast	
Photo Description: View of the excavated area.	

Photo Number: 10	 Aug 12, 2025 at 3:50:14 PM +32.052255,-103.676345 70° E Altitude:986.1meter Speed:6.9km/h
Photo Direction: East-Northeast	
Photo Description: View of the excavated area.	

Photographic Log

Photo Number: 11	 Aug 12, 2025 at 3:50:34 PM +32.052255, 103.676345 124° SE Altitude: 986.7 meter Speed: 5.6 km/h View of the excavated area.
Photo Direction: Southeast	
Photo Description:	

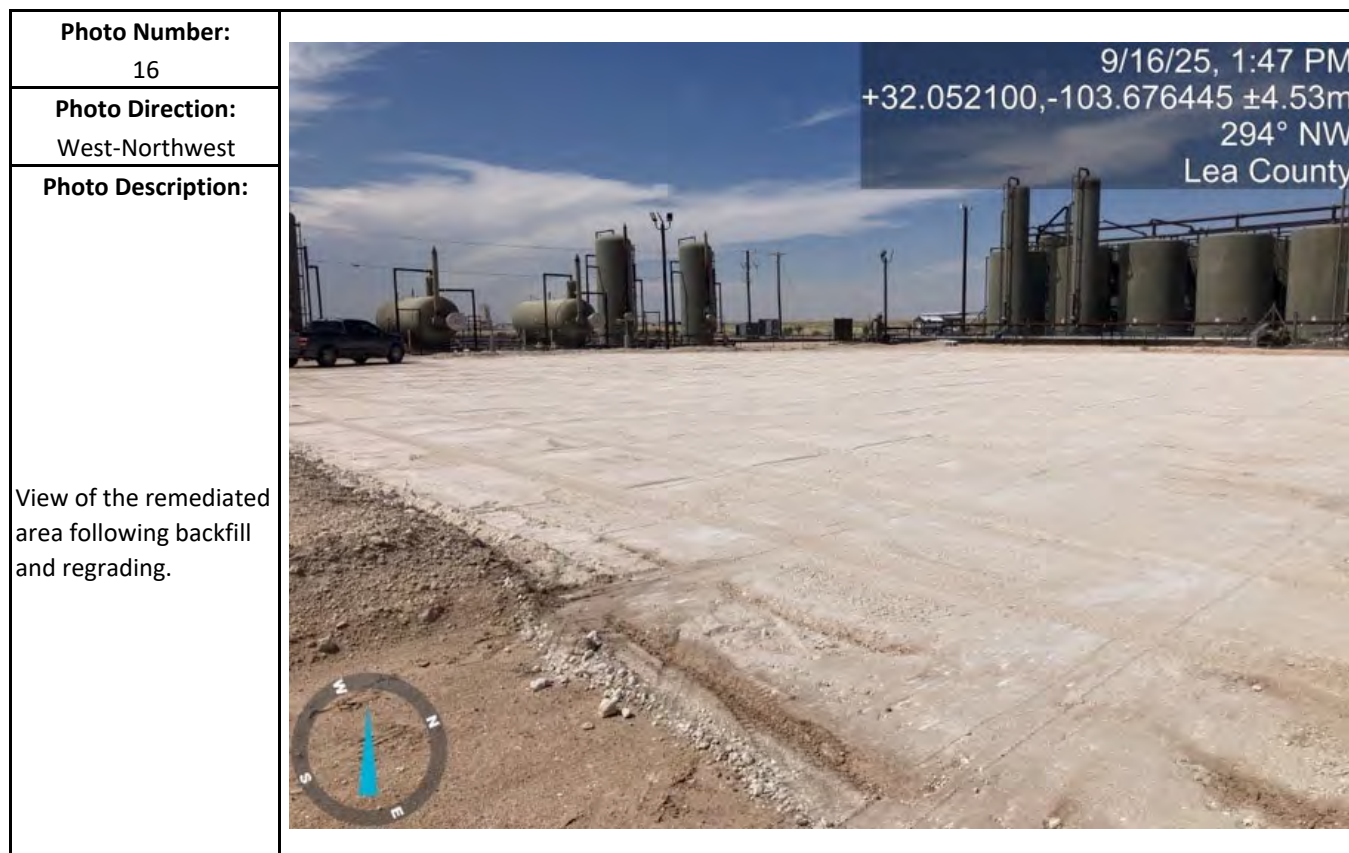
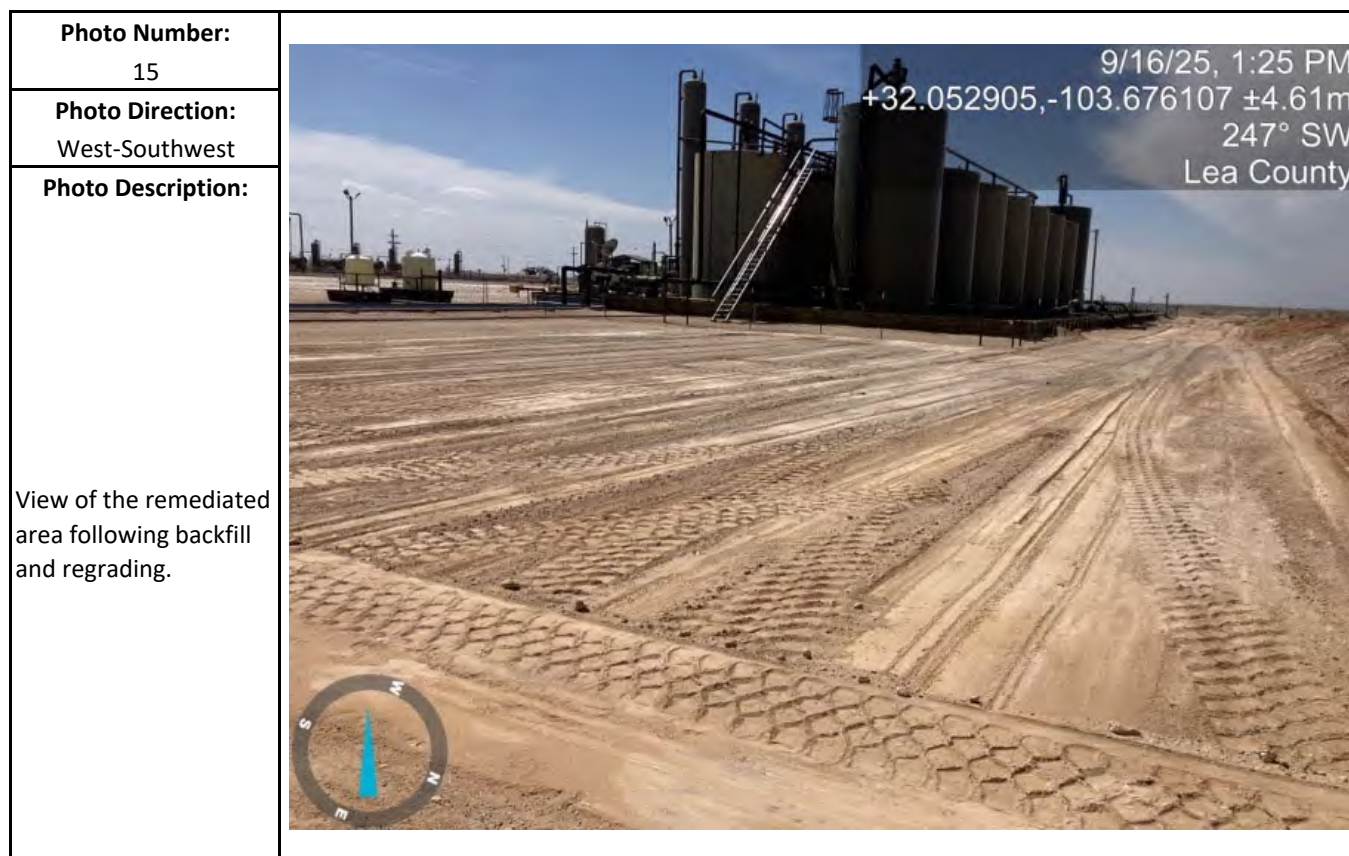
Photo Number: 12	 Aug 12, 2025 at 3:50:56 PM +32.052462, 103.676463 165° S Altitude: 987.0 meter Speed: 2.1 km/h View of the excavated area.
Photo Direction: South-Southeast	
Photo Description:	

Photographic Log

Photo Number: 13	
Photo Direction: Southeast	
Photo Description: View of the excavated area.	

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

Photographic Log



Photographic Log

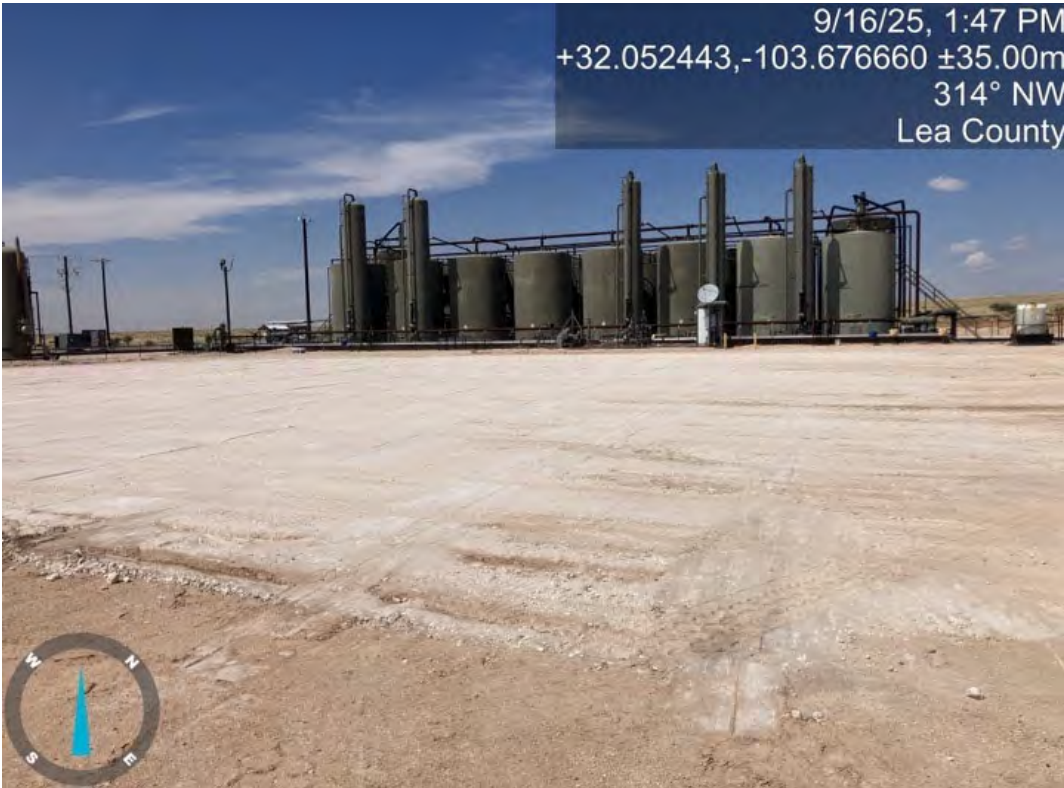
Photo Number: 17	
Photo Direction: Northwest	
Photo Description: View of the remediated area following backfill and regrading.	

Photo Number: 18	
Photo Direction: North-Northeast	
Photo Description: View of the remediated area following backfill and regrading.	

Appendix D

Laboratory Analytical Reports



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

August 05, 2025

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RED HILLS WEST UNIT 27

Enclosed are the results of analyses for samples received by the laboratory on 07/30/25 14:50.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in dark ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" being more prominent.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 2 @ SUR (H254635-01)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/31/2025	ND	1.86	93.0	2.00	3.22		
Toluene*	<0.050	0.050	07/31/2025	ND	1.91	95.4	2.00	1.17		
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	1.91	95.5	2.00	0.161		
Total Xylenes*	<0.150	0.150	07/31/2025	ND	5.65	94.2	6.00	0.127		
Total BTEx	<0.300	0.300	07/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 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	8800	16.0	07/31/2025	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	07/31/2025	ND	201	101	200	2.32	
DRO >C10-C28*	16.9	10.0	07/31/2025	ND	188	94.1	200	1.82	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.4 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 2 @ 1' (H254635-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2025	ND	1.86	93.0	2.00	3.22	
Toluene*	<0.050	0.050	07/31/2025	ND	1.91	95.4	2.00	1.17	
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	1.91	95.5	2.00	0.161	
Total Xylenes*	<0.150	0.150	07/31/2025	ND	5.65	94.2	6.00	0.127	
Total BTEX	<0.300	0.300	07/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/31/2025	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	07/31/2025	ND	201	101	200	2.32	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	188	94.1	200	1.82	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 97.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.0 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 4 @ SUR (H254635-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2025	ND	1.86	93.0	2.00	3.22	
Toluene*	<0.050	0.050	07/31/2025	ND	1.91	95.4	2.00	1.17	
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	1.91	95.5	2.00	0.161	
Total Xylenes*	<0.150	0.150	07/31/2025	ND	5.65	94.2	6.00	0.127	
Total BTEX	<0.300	0.300	07/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 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	7330	16.0	07/31/2025	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	07/31/2025	ND	178	89.0	200	2.55	
DRO >C10-C28*	26.3	10.0	07/31/2025	ND	198	98.8	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 82.9 % 44.4-145

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

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 4 @ 4' (H254635-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2025	ND	1.86	93.0	2.00	3.22	
Toluene*	<0.050	0.050	07/31/2025	ND	1.91	95.4	2.00	1.17	
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	1.91	95.5	2.00	0.161	
Total Xylenes*	<0.150	0.150	07/31/2025	ND	5.65	94.2	6.00	0.127	
Total BTEX	<0.300	0.300	07/31/2025	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	208	16.0	07/31/2025	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	07/31/2025	ND	178	89.0	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	198	98.8	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 72.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.4 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 6 @ SUR (H254635-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2025	ND	1.86	93.0	2.00	3.22	
Toluene*	<0.050	0.050	07/31/2025	ND	1.91	95.4	2.00	1.17	
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	1.91	95.5	2.00	0.161	
Total Xylenes*	<0.150	0.150	07/31/2025	ND	5.65	94.2	6.00	0.127	
Total BTEx	<0.300	0.300	07/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8000	16.0	07/31/2025	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	07/31/2025	ND	178	89.0	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	198	98.8	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 83.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.1 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 6 @ 1' (H254635-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/31/2025	ND	1.86	93.0	2.00	3.22		
Toluene*	<0.050	0.050	07/31/2025	ND	1.91	95.4	2.00	1.17		
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	1.91	95.5	2.00	0.161		
Total Xylenes*	<0.150	0.150	07/31/2025	ND	5.65	94.2	6.00	0.127		
Total BTEX	<0.300	0.300	07/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	07/31/2025	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	07/31/2025	ND	178	89.0	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	198	98.8	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 81.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.4 % 40.6-153

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Analytical Results For:

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

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 7 @ SUR (H254635-07)

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	07/31/2025	ND	1.86	93.0	2.00	3.22	
Toluene*	<0.050	0.050	07/31/2025	ND	1.91	95.4	2.00	1.17	
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	1.91	95.5	2.00	0.161	
Total Xylenes*	<0.150	0.150	07/31/2025	ND	5.65	94.2	6.00	0.127	
Total BTX	<0.300	0.300	07/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8930	16.0	07/31/2025	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	07/31/2025	ND	178	89.0	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	198	98.8	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 85.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.9 % 40.6-153

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Analytical Results For:

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

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 7 @ 2' (H254635-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2025	ND	1.86	93.0	2.00	3.22	
Toluene*	<0.050	0.050	07/31/2025	ND	1.91	95.4	2.00	1.17	
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	1.91	95.5	2.00	0.161	
Total Xylenes*	<0.150	0.150	07/31/2025	ND	5.65	94.2	6.00	0.127	
Total BTEX	<0.300	0.300	07/31/2025	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	272	16.0	07/31/2025	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	07/31/2025	ND	178	89.0	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	198	98.8	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 89.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.0 % 40.6-153

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Analytical Results For:

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

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 8 @ SUR (H254635-09)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2025	ND	1.86	93.0	2.00	3.22	
Toluene*	<0.050	0.050	07/31/2025	ND	1.91	95.4	2.00	1.17	
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	1.91	95.5	2.00	0.161	
Total Xylenes*	<0.150	0.150	07/31/2025	ND	5.65	94.2	6.00	0.127	
Total BTEX	<0.300	0.300	07/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 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	1860	16.0	07/31/2025	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	07/31/2025	ND	178	89.0	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	198	98.8	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 75.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.5 % 40.6-153

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Analytical Results For:

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 HOBBS NM, 88240
 Fax To:

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 8 @ 1' (H254635-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/31/2025	ND	1.86	93.0	2.00	3.22		
Toluene*	<0.050	0.050	07/31/2025	ND	1.91	95.4	2.00	1.17		
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	1.91	95.5	2.00	0.161		
Total Xylenes*	<0.150	0.150	07/31/2025	ND	5.65	94.2	6.00	0.127		
Total BTEX	<0.300	0.300	07/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 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	32.0	16.0	07/31/2025	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	07/31/2025	ND	178	89.0	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	198	98.8	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 85.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.6 % 40.6-153

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Analytical Results For:

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

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 9 @ SUR (H254635-11)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/31/2025	ND	1.86	93.0	2.00	3.22		
Toluene*	<0.050	0.050	07/31/2025	ND	1.91	95.4	2.00	1.17		
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	1.91	95.5	2.00	0.161		
Total Xylenes*	<0.150	0.150	07/31/2025	ND	5.65	94.2	6.00	0.127		
Total BTX	<0.300	0.300	07/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 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	7680	16.0	07/31/2025	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	07/31/2025	ND	178	89.0	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	198	98.8	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 86.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.3 % 40.6-153

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Analytical Results For:

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

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 9 @ 1' (H254635-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/31/2025	ND	1.86	93.0	2.00	3.22		
Toluene*	<0.050	0.050	07/31/2025	ND	1.91	95.4	2.00	1.17		
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	1.91	95.5	2.00	0.161		
Total Xylenes*	<0.150	0.150	07/31/2025	ND	5.65	94.2	6.00	0.127		
Total BTEX	<0.300	0.300	07/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 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	07/31/2025	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	07/31/2025	ND	178	89.0	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	198	98.8	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 84.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.8 % 40.6-153

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Analytical Results For:

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

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 10 @ SUR (H254635-13)

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	07/31/2025	ND	1.86	93.0	2.00	3.22		
Toluene*	<0.050	0.050	07/31/2025	ND	1.91	95.4	2.00	1.17		
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	1.91	95.5	2.00	0.161		
Total Xylenes*	<0.150	0.150	07/31/2025	ND	5.65	94.2	6.00	0.127		
Total BTX	<0.300	0.300	07/31/2025	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	7920	16.0	07/31/2025	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	07/31/2025	ND	178	89.0	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	198	98.8	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 80.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.8 % 40.6-153

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Analytical Results For:

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 Fax To:

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 10 @ 1' (H254635-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/31/2025	ND	1.86	93.0	2.00	3.22		
Toluene*	<0.050	0.050	07/31/2025	ND	1.91	95.4	2.00	1.17		
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	1.91	95.5	2.00	0.161		
Total Xylenes*	<0.150	0.150	07/31/2025	ND	5.65	94.2	6.00	0.127		
Total BTEX	<0.300	0.300	07/31/2025	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	64.0	16.0	07/31/2025	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	07/31/2025	ND	178	89.0	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	198	98.8	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 83.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.6 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 11 @ SUR (H254635-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/31/2025	ND	1.86	93.0	2.00	3.22		
Toluene*	<0.050	0.050	07/31/2025	ND	1.91	95.4	2.00	1.17		
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	1.91	95.5	2.00	0.161		
Total Xylenes*	<0.150	0.150	07/31/2025	ND	5.65	94.2	6.00	0.127		
Total BTEx	<0.300	0.300	07/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 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	8320	16.0	07/31/2025	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	07/31/2025	ND	178	89.0	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	198	98.8	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 84.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.8 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 11 @ 1' (H254635-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/31/2025	ND	1.86	93.0	2.00	3.22		
Toluene*	<0.050	0.050	07/31/2025	ND	1.91	95.4	2.00	1.17		
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	1.91	95.5	2.00	0.161		
Total Xylenes*	<0.150	0.150	07/31/2025	ND	5.65	94.2	6.00	0.127		
Total BTEx	<0.300	0.300	07/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 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	160	16.0	07/31/2025	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	07/31/2025	ND	178	89.0	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	198	98.8	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 86.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.4 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 12 @ SUR (H254635-17)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2025	ND	1.86	93.0	2.00	3.22	
Toluene*	<0.050	0.050	07/31/2025	ND	1.91	95.4	2.00	1.17	
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	1.91	95.5	2.00	0.161	
Total Xylenes*	<0.150	0.150	07/31/2025	ND	5.65	94.2	6.00	0.127	
Total BTEX	<0.300	0.300	07/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 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	5360	16.0	07/31/2025	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	07/31/2025	ND	178	89.0	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	198	98.8	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 84.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.9 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 12 @ 1' (H254635-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2025	ND	1.86	93.0	2.00	3.22	
Toluene*	<0.050	0.050	07/31/2025	ND	1.91	95.4	2.00	1.17	
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	1.91	95.5	2.00	0.161	
Total Xylenes*	<0.150	0.150	07/31/2025	ND	5.65	94.2	6.00	0.127	
Total BTEX	<0.300	0.300	07/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 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	128	16.0	07/31/2025	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	07/31/2025	ND	178	89.0	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	198	98.8	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 86.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.4 % 40.6-153

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Analytical Results For:

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

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 13 @ SUR (H254635-19)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/31/2025	ND	1.95	97.5	2.00	6.08		
Toluene*	<0.050	0.050	07/31/2025	ND	2.01	100	2.00	4.30		
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	2.02	101	2.00	3.81		
Total Xylenes*	<0.150	0.150	07/31/2025	ND	6.05	101	6.00	2.97		
Total BTX	<0.300	0.300	07/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	10100	16.0	07/31/2025	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	07/31/2025	ND	178	89.0	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	198	98.8	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 85.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.7 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 13 @ 1' (H254635-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/31/2025	ND	1.95	97.5	2.00	6.08		
Toluene*	<0.050	0.050	07/31/2025	ND	2.01	100	2.00	4.30		
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	2.02	101	2.00	3.81		
Total Xylenes*	<0.150	0.150	07/31/2025	ND	6.05	101	6.00	2.97		
Total BTEx	<0.300	0.300	07/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	656	16.0	07/31/2025	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	07/31/2025	ND	178	89.0	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	198	98.8	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 83.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.4 % 40.6-153

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Analytical Results For:

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

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 14 @ SUR (H254635-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/31/2025	ND	1.95	97.5	2.00	6.08		
Toluene*	<0.050	0.050	07/31/2025	ND	2.01	100	2.00	4.30		
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	2.02	101	2.00	3.81		
Total Xylenes*	<0.150	0.150	07/31/2025	ND	6.05	101	6.00	2.97		
Total BTEX	<0.300	0.300	07/31/2025	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	6240	16.0	07/31/2025	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	07/31/2025	ND	178	89.0	200	2.55	
DRO >C10-C28*	28.6	10.0	07/31/2025	ND	198	98.8	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 87.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.9 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 14 @ 1' (H254635-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/31/2025	ND	1.95	97.5	2.00	6.08		
Toluene*	<0.050	0.050	07/31/2025	ND	2.01	100	2.00	4.30		
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	2.02	101	2.00	3.81		
Total Xylenes*	<0.150	0.150	07/31/2025	ND	6.05	101	6.00	2.97		
Total BTEx	<0.300	0.300	07/31/2025	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	208	16.0	07/31/2025	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	07/31/2025	ND	178	89.0	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	198	98.8	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 85.8 % 44.4-145

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

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 15 @ SUR (H254635-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/31/2025	ND	1.95	97.5	2.00	6.08		
Toluene*	<0.050	0.050	07/31/2025	ND	2.01	100	2.00	4.30		
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	2.02	101	2.00	3.81		
Total Xylenes*	<0.150	0.150	07/31/2025	ND	6.05	101	6.00	2.97		
Total BTEX	<0.300	0.300	07/31/2025	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	6000	16.0	07/31/2025	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	07/31/2025	ND	182	90.8	200	0.777	
DRO >C10-C28*	10.4	10.0	07/31/2025	ND	180	90.1	200	0.906	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 82.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.4 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 15 @ 1' (H254635-24)

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	07/31/2025	ND	1.95	97.5	2.00	6.08	
Toluene*	<0.050	0.050	07/31/2025	ND	2.01	100	2.00	4.30	
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	2.02	101	2.00	3.81	
Total Xylenes*	<0.150	0.150	07/31/2025	ND	6.05	101	6.00	2.97	
Total BTX	<0.300	0.300	07/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	64.0	16.0	07/31/2025	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	07/31/2025	ND	182	90.8	200	0.777	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	180	90.1	200	0.906	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 77.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.4 % 40.6-153

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Analytical Results For:

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

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 16 @ SUR (H254635-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/31/2025	ND	1.95	97.5	2.00	6.08		
Toluene*	<0.050	0.050	07/31/2025	ND	2.01	100	2.00	4.30		
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	2.02	101	2.00	3.81		
Total Xylenes*	<0.150	0.150	07/31/2025	ND	6.05	101	6.00	2.97		
Total BTEx	<0.300	0.300	07/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	9360	16.0	07/31/2025	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	07/31/2025	ND	182	90.8	200	0.777	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	180	90.1	200	0.906	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 79.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.4 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 16 @ 1' (H254635-26)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/31/2025	ND	1.95	97.5	2.00	6.08	
Toluene*	<0.050	0.050	07/31/2025	ND	2.01	100	2.00	4.30	
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	2.02	101	2.00	3.81	
Total Xylenes*	<0.150	0.150	07/31/2025	ND	6.05	101	6.00	2.97	
Total BTX	<0.300	0.300	07/31/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	256	16.0	07/31/2025	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	07/31/2025	ND	182	90.8	200	0.777	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	180	90.1	200	0.906	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 85.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.6 % 40.6-153

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Analytical Results For:

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

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NH 1 @ SUR (H254635-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/31/2025	ND	1.95	97.5	2.00	6.08		
Toluene*	<0.050	0.050	07/31/2025	ND	2.01	100	2.00	4.30		
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	2.02	101	2.00	3.81		
Total Xylenes*	<0.150	0.150	07/31/2025	ND	6.05	101	6.00	2.97		
Total BTEX	<0.300	0.300	07/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	176	16.0	07/31/2025	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	07/31/2025	ND	182	90.8	200	0.777	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	180	90.1	200	0.906	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 82.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.4 % 40.6-153

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Analytical Results For:

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

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NH 1 @ 1' (H254635-28)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/31/2025	ND	1.95	97.5	2.00	6.08		
Toluene*	<0.050	0.050	07/31/2025	ND	2.01	100	2.00	4.30		
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	2.02	101	2.00	3.81		
Total Xylenes*	<0.150	0.150	07/31/2025	ND	6.05	101	6.00	2.97		
Total BTEX	<0.300	0.300	07/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	416	16.0	07/31/2025	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	07/31/2025	ND	182	90.8	200	0.777	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	180	90.1	200	0.906	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 78.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.5 % 40.6-153

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Analytical Results For:

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

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EH 1 @ SUR (H254635-29)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/31/2025	ND	1.95	97.5	2.00	6.08		
Toluene*	<0.050	0.050	07/31/2025	ND	2.01	100	2.00	4.30		
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	2.02	101	2.00	3.81		
Total Xylenes*	<0.150	0.150	07/31/2025	ND	6.05	101	6.00	2.97		
Total BTX	<0.300	0.300	07/31/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	64.0	16.0	07/31/2025	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	07/31/2025	ND	182	90.8	200	0.777	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	180	90.1	200	0.906	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 76.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.9 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EH 1 @ 1' (H254635-30)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/31/2025	ND	1.95	97.5	2.00	6.08		
Toluene*	<0.050	0.050	07/31/2025	ND	2.01	100	2.00	4.30		
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	2.02	101	2.00	3.81		
Total Xylenes*	<0.150	0.150	07/31/2025	ND	6.05	101	6.00	2.97		
Total BTEx	<0.300	0.300	07/31/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	07/31/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/31/2025	ND	182	90.8	200	0.777	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	180	90.1	200	0.906	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 82.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.0 % 40.6-153

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Analytical Results For:

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

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SH 1 @ SUR (H254635-31)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/31/2025	ND	1.95	97.5	2.00	6.08		
Toluene*	<0.050	0.050	07/31/2025	ND	2.01	100	2.00	4.30		
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	2.02	101	2.00	3.81		
Total Xylenes*	<0.150	0.150	07/31/2025	ND	6.05	101	6.00	2.97		
Total BTEx	<0.300	0.300	07/31/2025	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	224	16.0	07/31/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/31/2025	ND	182	90.8	200	0.777	
DRO >C10-C28*	12.1	10.0	07/31/2025	ND	180	90.1	200	0.906	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 81.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.6 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SH 1 @ 1' (H254635-32)

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	07/31/2025	ND	1.95	97.5	2.00	6.08		
Toluene*	<0.050	0.050	07/31/2025	ND	2.01	100	2.00	4.30		
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	2.02	101	2.00	3.81		
Total Xylenes*	<0.150	0.150	07/31/2025	ND	6.05	101	6.00	2.97		
Total BTX	<0.300	0.300	07/31/2025	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	80.0	16.0	07/31/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/31/2025	ND	182	90.8	200	0.777	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	180	90.1	200	0.906	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 85.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.7 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WH 1 @ SUR (H254635-33)

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	07/31/2025	ND	1.95	97.5	2.00	6.08	
Toluene*	<0.050	0.050	07/31/2025	ND	2.01	100	2.00	4.30	
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	2.02	101	2.00	3.81	
Total Xylenes*	<0.150	0.150	07/31/2025	ND	6.05	101	6.00	2.97	
Total BTX	<0.300	0.300	07/31/2025	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	304	16.0	07/31/2025	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/31/2025	ND	182	90.8	200	0.777	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	180	90.1	200	0.906	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 79.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.8 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 07/30/2025
 Reported: 08/05/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 07/29/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WH 1 @ 1' (H254635-34)

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	07/31/2025	ND	1.95	97.5	2.00	6.08	
Toluene*	<0.050	0.050	07/31/2025	ND	2.01	100	2.00	4.30	
Ethylbenzene*	<0.050	0.050	07/31/2025	ND	2.02	101	2.00	3.81	
Total Xylenes*	<0.150	0.150	07/31/2025	ND	6.05	101	6.00	2.97	
Total BTEX	<0.300	0.300	07/31/2025	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	176	16.0	07/31/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/31/2025	ND	182	90.8	200	0.777	
DRO >C10-C28*	<10.0	10.0	07/31/2025	ND	180	90.1	200	0.906	
EXT DRO >C28-C36	<10.0	10.0	07/31/2025	ND					

Surrogate: 1-Chlorooctane 79.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager

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

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 cursive script, 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

Page 1 of 4

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST											
Project Manager: Lance Crenshaw				P.O. #:				Chloride TPH (8015M) BTEX (8021B)											
Address: 2617 West Marland				Company: Mewbourne Oil Company															
City: Hobbs State: NM Zip: 88240				Attn: Connor Walker															
Phone #: (575) 264-9884 Fax #:				Address:															
Project #: 22714 Project Owner: Mewbourne Oil Company				City:															
Project Name: Red Hills West Unit 27				State: Zip:															
Project Location: 32.052347, -103.676651				Phone #:															
Sampler Name: Alyxis Sanchez				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									
H854635																			
1		SP 2 @ Sur		G 1		X		X		7/29/25		X				X			
2		SP 2 @ 1'		G 1		X		X		7/29/25		X				X			
3		SP 4 @ Sur		G 1		X		X		7/29/25		X				X			
4		SP 4 @ 4'		G 1		X		X		7/29/25		X				X			
5		SP 6 @ Sur		G 1		X		X		7/29/25		X				X			
6		SP 6 @ 1'		G 1		X		X		7/29/25		X				X			
7		SP 7 @ Sur		G 1		X		X		7/29/25		X				X			
8		SP 7 @ 2'		G 1		X		X		7/29/25		X				X			
9		SP 8 @ Sur		G 1		X		X		7/29/25		X				X			
10		SP 8 @ 1'		G 1		X		X		7/29/25		X				X			

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Relinquished By: <i>Matt Hu</i>		Date: <i>7-30-25</i>		Received By: <i>Jamara Adams</i>		Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #:	
		Time: <i>1450</i>				All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Date:		Received By:		REMARKS:	
		Time:					
Delivered By: (Circle One)		Observed Temp. °C <i>-7.0</i>		Sample Condition		Turnaround Time: Standard ☒ Rush ☐	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <i>-6.7</i>		Cool ☐ Intact ☒		Thermometer ID #140	
				Yes ☒ No ☐		Correction Factor <i>-0.3</i>	
				CHECKED BY: (Initials) <i>JE</i>		Bacteria (only) Sample Condition	
						Cool ☐ Intact ☒	
						Observed Temp. °C	
						Yes ☐ No ☐	
						Corrected Temp. °C	

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 2 of 4

Page 38 of 40

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Relinquished By: <i>Matt Ma</i>		Date: <i>7-30-25</i>	Received By: <i>Tamara Eldridge</i>	Verbal Result: ☐ Yes ☐ No Add'l Phone #: _____
		Time: <i>1450</i>		All Results are emailed. Please provide Email address: pm@etechenv.com
Relinquished By:		Date:	Received By:	REMARKS:
		Time:		
Delivered By: (Circle One)	Observed Temp. °C <i>-7.0</i>	Sample Condition	CHECKED BY: (Initials) <i>JE</i>	Turnaround Time: ☒ Standard ☐ Rush
Sampler - UPS - Bus - Other:	Corrected Temp. °C <i>-6.7</i>	☒ Cool ☒ Intact ☐ Yes ☐ Yes ☐ No ☐ No		Bacteria (only) Sample Condition ☐ Cool ☐ Intact Observed Temp. °C ☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C
				Thermometer ID #140 Correction Factor <i>-0.3°C</i>



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
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Page 3 of 4

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST											
Project Manager: Lance Crenshaw				P.O. #:				Chloride TPH (8015M) BTEX (8021B)											
Address: 2617 West Marland				Company: Mewbourne Oil Company															
City: Hobbs State: NM Zip: 88240				Attn: Connor Walker															
Phone #: (575) 264-9884 Fax #:				Address:															
Project #: 22714 Project Owner: Mewbourne Oil Company				City:															
Project Name: Red Hills West Unit 27				State: Zip:															
Project Location: 32.052347, -103.676651				Phone #:															
Sampler Name: Alyxis Sanchez				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			
H254035																			
21		SP 14 @ Sur		G		1						X		7/29/25		X			
22		SP 14 @ 1'		G		1						X		7/29/25		X			
23		SP 15 @ Sur		G		1						X		7/29/25		X			
24		SP 15 @ 1'		G		1						X		7/29/25		X			
25		SP 16 @ Sur		G		1						X		7/29/25		X			
26		SP 16 @ 1'		G		1						X		7/29/25		X			
27		NH 1 @ Sur		G		1						X		7/29/25		X			
28		NH 1 @ 1'		G		1						X		7/29/25		X			
29		EH 1 @ Sur		G		1						X		7/29/25		X			
30		EH 1 @ 1'		G		1						X		7/29/25		X			

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Relinquished By:		Date: 7-30-25		Received By:		Verbal Result: ☐ Yes ☐ No Add'l Phone #:	
		Time: 7:45				All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Date:		Received By:		REMARKS:	
Time:							
Delivered By: (Circle One)		Observed Temp. °C -7.0		Sample Condition		TURNAROUND TIME: Standard ☒ Rush ☐	
Sampler - UPS - Bus - Other:		Corrected Temp. °C -6.7		Cool Intact ☒ ☐ Yes ☒ Yes ☐ No ☐ No		Bacteria (only) Sample Condition Cool Intact ☐ Observed Temp. °C ☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C	
				CHECKED BY: (Initials) 		Thermometer ID #140 Correction Factor -0.3 +0.3	

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 4 of 4

Page 40 of 40

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Relinquished By: <i>Matt Mu</i>		Date: <i>7-30-25</i>		Received By: <i>Samara Alderson</i>		Verbal Result: ☐ Yes ☐ No ☒ Add'l Phone #: _____	
		Time: <i>1450</i>				All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Date:		Received By:		REMARKS:	
		Time:					
Delivered By: (Circle One)		Observed Temp. °C <i>-7.0</i>		Sample Condition ☒ Cool ☒ Intact		CHECKED BY: (Initials) <i>NO</i>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <i>-6.7</i>		☐ Yes ☐ No ☐ Yes ☐ No		Turnaround Time: Standard ☒ Rush ☐ Thermometer ID #140 Correction Factor <i>-0.3</i>	
						Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ No ☐ Yes ☐ No Corrected Temp. °C	



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

August 11, 2025

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RED HILLS WEST UNIT 27

Enclosed are the results of analyses for samples received by the laboratory on 08/05/25 14:51.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in dark ink that reads "Coley D. Keene". The signature is written in a cursive style with a large, stylized 'C' at the beginning.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/05/2025
 Reported: 08/11/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/05/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 1 @ 5' (H254781-01)

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	08/06/2025	ND	1.95	97.3	2.00	2.79		
Toluene*	<0.050	0.050	08/06/2025	ND	1.96	97.8	2.00	1.92		
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.97	98.3	2.00	2.68		
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.97	99.5	6.00	2.66		
Total BTX	<0.300	0.300	08/06/2025	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	304	16.0	08/07/2025	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	08/06/2025	ND	204	102	200	5.43	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	199	99.6	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/05/2025
 Reported: 08/11/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/05/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 3 @ 3' (H254781-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2025	ND	1.95	97.3	2.00	2.79	
Toluene*	<0.050	0.050	08/06/2025	ND	1.96	97.8	2.00	1.92	
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.97	98.3	2.00	2.68	
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.97	99.5	6.00	2.66	
Total BTEX	<0.300	0.300	08/06/2025	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	32.0	16.0	08/07/2025	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	08/06/2025	ND	204	102	200	5.43	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	199	99.6	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/05/2025
 Reported: 08/11/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/05/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP 5 @ 2' (H254781-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2025	ND	1.95	97.3	2.00	2.79	
Toluene*	<0.050	0.050	08/06/2025	ND	1.96	97.8	2.00	1.92	
Ethylbenzene*	<0.050	0.050	08/06/2025	ND	1.97	98.3	2.00	2.68	
Total Xylenes*	<0.150	0.150	08/06/2025	ND	5.97	99.5	6.00	2.66	
Total BTEX	<0.300	0.300	08/06/2025	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	08/07/2025	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	08/06/2025	ND	204	102	200	5.43	
DRO >C10-C28*	<10.0	10.0	08/06/2025	ND	199	99.6	200	4.43	
EXT DRO >C28-C36	<10.0	10.0	08/06/2025	ND					

Surrogate: 1-Chlorooctane 109 % 44.4-145

Surrogate: 1-Chlorooctadecane 110 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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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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*=Accredited Analyte

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

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

Page 6 of 6

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Relinquished By: <i>M. M. M.</i>		Date: <i>8-5-25</i>	Received By: <i>S. Rodriguez</i>	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
		Time: <i>1451</i>		All Results are emailed. Please provide Email address: pm@etechenv.com
Relinquished By:		Date:	Received By:	REMARKS:
		Time:		
Delivered By: (Circle One)	Observed Temp. °C <i>-6.1</i>	Sample Condition Cool Intact	CHECKED BY: (Initials) <i>SR</i>	Turnaround Time: Standard ☒ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C <i>-5.8</i>	☒ Yes ☐ No ☐ Yes ☐ No		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
				☐ Yes ☐ No ☐ Yes ☐ No Corrected Temp. °C
				Thermometer ID #140 Correction Factor -0.6°C



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

August 15, 2025

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RED HILLS WEST UNIT 27

Enclosed are the results of analyses for samples received by the laboratory on 08/11/25 16:34.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SP 1 @ SUR (H254932-01)

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	08/13/2025	ND	1.72	85.9	2.00	5.27		
Toluene*	<0.050	0.050	08/13/2025	ND	1.84	92.0	2.00	5.79		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.89	94.5	2.00	6.04		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.86	97.7	6.00	7.14		
Total BTX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	5760	16.0	08/13/2025	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	08/13/2025	ND	204	102	200	2.43	
DRO >C10-C28*	252	10.0	08/13/2025	ND	185	92.3	200	1.41	
EXT DRO >C28-C36	64.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 76.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SP 13 @ 2' (H254932-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2025	ND	1.72	85.9	2.00	5.27		
Toluene*	<0.050	0.050	08/13/2025	ND	1.84	92.0	2.00	5.79		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.89	94.5	2.00	6.04		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.86	97.7	6.00	7.14		
Total BTEX	<0.300	0.300	08/13/2025	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	<16.0	16.0	08/13/2025	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	08/13/2025	ND	204	102	200	2.43	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	185	92.3	200	1.41	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 73.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.0 % 40.6-153

Cardinal Laboratories

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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

Cardinal Laboratories

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

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

Page 5 of 5

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																					
Project Manager: Lance Crenshaw				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																					
Address: 2617 West Marland				Company: Mewbourne Oil Company																									
City: Hobbs		State: NM		Zip: 88240		Attn: Connor Walker																							
Phone #: (575) 264-9884		Fax #:		Address:																									
Project #: 22714		Project Owner: Mewbourne Oil Company		City:																									
Project Name: Red Hills West Unit 27				State:																Zip:									
Project Location: 32.052347, -103.676651				Phone #:																									
Sampler Name: Alyxis Sanchez				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													
		H254932																											
		1		SP 1 @ Sur		G		1								8/8/25													
		2		SP 13 @ 2'		G		1								8/8/25													

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Relinquished By:		Date: 8-11-25		Received By:		Verbal Result: ☐ Yes ☐ No		Add'l Phone #:	
		Time: 10:31				All Results are emailed. Please provide Email address:		pm@etechenv.com	
Relinquished By:		Date:		Received By:		REMARKS:			
Time:									
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY:		Turnaround Time:	
Sampler - UPS - Bus - Other:		5.17 Corrected Temp. °C -4.8		Cool Intact ☒ Yes ☐ No		(Initials) 		Standard ☒ Rush ☐	
								Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ No	
								Thermometer ID #140 Correction Factor -0.6°C	
								Corrected Temp. °C	



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

August 15, 2025

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RED HILLS WEST UNIT 27

Enclosed are the results of analyses for samples received by the laboratory on 08/11/25 16:34.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 1 @ 0-3" (H254929-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/12/2025	ND	1.63	81.4	2.00	7.07	
Toluene*	<0.050	0.050	08/12/2025	ND	1.69	84.7	2.00	8.76	
Ethylbenzene*	<0.050	0.050	08/12/2025	ND	1.71	85.7	2.00	9.21	
Total Xylenes*	<0.150	0.150	08/12/2025	ND	5.03	83.8	6.00	9.71	
Total BTEx	<0.300	0.300	08/12/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2320	16.0	08/12/2025	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	08/12/2025	ND	229	114	200	1.23	
DRO >C10-C28*	642	10.0	08/12/2025	ND	214	107	200	0.123	
EXT DRO >C28-C36	160	10.0	08/12/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 120 % 40.6-153

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Analytical Results For:

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

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 2 @ 0-3" (H254929-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2025	ND	1.63	81.4	2.00	7.07		
Toluene*	<0.050	0.050	08/12/2025	ND	1.69	84.7	2.00	8.76		
Ethylbenzene*	<0.050	0.050	08/12/2025	ND	1.71	85.7	2.00	9.21		
Total Xylenes*	<0.150	0.150	08/12/2025	ND	5.03	83.8	6.00	9.71		
Total BTEX	<0.300	0.300	08/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2920	16.0	08/12/2025	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	08/12/2025	ND	229	114	200	1.23	
DRO >C10-C28*	468	10.0	08/12/2025	ND	214	107	200	0.123	
EXT DRO >C28-C36	121	10.0	08/12/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 116 % 40.6-153

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 3 @ 0-3" (H254929-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2025	ND	1.63	81.4	2.00	7.07		
Toluene*	<0.050	0.050	08/12/2025	ND	1.69	84.7	2.00	8.76		
Ethylbenzene*	<0.050	0.050	08/12/2025	ND	1.71	85.7	2.00	9.21		
Total Xylenes*	<0.150	0.150	08/12/2025	ND	5.03	83.8	6.00	9.71		
Total BTEX	<0.300	0.300	08/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5520	16.0	08/12/2025	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	08/12/2025	ND	229	114	200	1.23	
DRO >C10-C28*	<10.0	10.0	08/12/2025	ND	214	107	200	0.123	
EXT DRO >C28-C36	<10.0	10.0	08/12/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 4 @ 0-3" (H254929-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2025	ND	1.63	81.4	2.00	7.07		
Toluene*	<0.050	0.050	08/12/2025	ND	1.69	84.7	2.00	8.76		
Ethylbenzene*	<0.050	0.050	08/12/2025	ND	1.71	85.7	2.00	9.21		
Total Xylenes*	<0.150	0.150	08/12/2025	ND	5.03	83.8	6.00	9.71		
Total BTEX	<0.300	0.300	08/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2560	16.0	08/12/2025	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	08/12/2025	ND	229	114	200	1.23	
DRO >C10-C28*	550	10.0	08/12/2025	ND	214	107	200	0.123	
EXT DRO >C28-C36	137	10.0	08/12/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 118 % 40.6-153

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Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 5 @ 0-3" (H254929-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2025	ND	1.63	81.4	2.00	7.07		
Toluene*	<0.050	0.050	08/12/2025	ND	1.69	84.7	2.00	8.76		
Ethylbenzene*	<0.050	0.050	08/12/2025	ND	1.71	85.7	2.00	9.21		
Total Xylenes*	<0.150	0.150	08/12/2025	ND	5.03	83.8	6.00	9.71		
Total BTEx	<0.300	0.300	08/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 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	3400	16.0	08/13/2025	ND	416	104	400	0.00	QM-07, QR-03

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/12/2025	ND	229	114	200	1.23	
DRO >C10-C28*	69.5	10.0	08/12/2025	ND	214	107	200	0.123	
EXT DRO >C28-C36	17.9	10.0	08/12/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 110 % 40.6-153

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Analytical Results For:

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 HOBBS NM, 88240
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Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 6 @ 0-3" (H254929-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2025	ND	1.63	81.4	2.00	7.07		
Toluene*	<0.050	0.050	08/12/2025	ND	1.69	84.7	2.00	8.76		
Ethylbenzene*	<0.050	0.050	08/12/2025	ND	1.71	85.7	2.00	9.21		
Total Xylenes*	<0.150	0.150	08/12/2025	ND	5.03	83.8	6.00	9.71		
Total BTEX	<0.300	0.300	08/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 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	15100	16.0	08/13/2025	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	08/12/2025	ND	229	114	200	1.23	
DRO >C10-C28*	203	10.0	08/12/2025	ND	214	107	200	0.123	
EXT DRO >C28-C36	60.3	10.0	08/12/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 113 % 40.6-153

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 HOBBS NM, 88240
 Fax To:

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 7 @ 0-3" (H254929-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2025	ND	1.63	81.4	2.00	7.07		
Toluene*	<0.050	0.050	08/12/2025	ND	1.69	84.7	2.00	8.76		
Ethylbenzene*	<0.050	0.050	08/12/2025	ND	1.71	85.7	2.00	9.21		
Total Xylenes*	<0.150	0.150	08/12/2025	ND	5.03	83.8	6.00	9.71		
Total BTEX	<0.300	0.300	08/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 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	4900	16.0	08/13/2025	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	08/12/2025	ND	229	114	200	1.23	
DRO >C10-C28*	<10.0	10.0	08/12/2025	ND	214	107	200	0.123	
EXT DRO >C28-C36	<10.0	10.0	08/12/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 107 % 40.6-153

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Analytical Results For:

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 HOBBS NM, 88240
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Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 8 @ 0-3" (H254929-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2025	ND	1.63	81.4	2.00	7.07		
Toluene*	<0.050	0.050	08/12/2025	ND	1.69	84.7	2.00	8.76		
Ethylbenzene*	<0.050	0.050	08/12/2025	ND	1.71	85.7	2.00	9.21		
Total Xylenes*	<0.150	0.150	08/12/2025	ND	5.03	83.8	6.00	9.71		
Total BTEX	<0.300	0.300	08/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 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	5760	16.0	08/13/2025	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	08/12/2025	ND	188	93.9	200	0.402	
DRO >C10-C28*	<10.0	10.0	08/12/2025	ND	207	103	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/12/2025	ND					

Surrogate: 1-Chlorooctane 93.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.7 % 40.6-153

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Analytical Results For:

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Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 9 @ 0-3" (H254929-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2025	ND	1.63	81.4	2.00	7.07		
Toluene*	<0.050	0.050	08/12/2025	ND	1.69	84.7	2.00	8.76		
Ethylbenzene*	<0.050	0.050	08/12/2025	ND	1.71	85.7	2.00	9.21		
Total Xylenes*	<0.150	0.150	08/12/2025	ND	5.03	83.8	6.00	9.71		
Total BTEX	<0.300	0.300	08/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 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	6560	16.0	08/13/2025	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	08/12/2025	ND	188	93.9	200	0.402	
DRO >C10-C28*	42.3	10.0	08/12/2025	ND	207	103	200	1.48	
EXT DRO >C28-C36	21.2	10.0	08/12/2025	ND					

Surrogate: 1-Chlorooctane 86.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.9 % 40.6-153

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 HOBBS NM, 88240
 Fax To:

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 10 @ 0-3" (H254929-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2025	ND	1.63	81.4	2.00	7.07		
Toluene*	<0.050	0.050	08/12/2025	ND	1.69	84.7	2.00	8.76		
Ethylbenzene*	<0.050	0.050	08/12/2025	ND	1.71	85.7	2.00	9.21		
Total Xylenes*	<0.150	0.150	08/12/2025	ND	5.03	83.8	6.00	9.71		
Total BTEX	<0.300	0.300	08/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 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	11000	16.0	08/13/2025	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	08/13/2025	ND	188	93.9	200	0.402	
DRO >C10-C28*	98.8	10.0	08/13/2025	ND	207	103	200	1.48	
EXT DRO >C28-C36	45.5	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 93.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.1 % 40.6-153

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Analytical Results For:

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

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 11 @ 0-3" (H254929-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2025	ND	1.63	81.4	2.00	7.07		
Toluene*	<0.050	0.050	08/12/2025	ND	1.69	84.7	2.00	8.76		
Ethylbenzene*	<0.050	0.050	08/12/2025	ND	1.71	85.7	2.00	9.21		
Total Xylenes*	<0.150	0.150	08/12/2025	ND	5.03	83.8	6.00	9.71		
Total BTEX	<0.300	0.300	08/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 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	5200	16.0	08/13/2025	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	08/13/2025	ND	188	93.9	200	0.402	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	207	103	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 95.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.2 % 40.6-153

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

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 12 @ 0-3" (H254929-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2025	ND	1.63	81.4	2.00	7.07		
Toluene*	<0.050	0.050	08/12/2025	ND	1.69	84.7	2.00	8.76		
Ethylbenzene*	<0.050	0.050	08/12/2025	ND	1.71	85.7	2.00	9.21		
Total Xylenes*	<0.150	0.150	08/12/2025	ND	5.03	83.8	6.00	9.71		
Total BTEX	<0.300	0.300	08/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 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	6080	16.0	08/13/2025	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	08/13/2025	ND	188	93.9	200	0.402	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	207	103	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 83.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.7 % 40.6-153

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Analytical Results For:

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

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 13 @ 0-3" (H254929-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/12/2025	ND	1.63	81.4	2.00	7.07		
Toluene*	<0.050	0.050	08/12/2025	ND	1.69	84.7	2.00	8.76		
Ethylbenzene*	<0.050	0.050	08/12/2025	ND	1.71	85.7	2.00	9.21		
Total Xylenes*	<0.150	0.150	08/12/2025	ND	5.03	83.8	6.00	9.71		
Total BTEX	<0.300	0.300	08/12/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 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	5520	16.0	08/13/2025	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	08/13/2025	ND	188	93.9	200	0.402	
DRO >C10-C28*	27.9	10.0	08/13/2025	ND	207	103	200	1.48	
EXT DRO >C28-C36	13.2	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 90.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.4 % 40.6-153

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 14 @ 0-3" (H254929-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2025	ND	1.63	81.4	2.00	7.07		
Toluene*	<0.050	0.050	08/13/2025	ND	1.69	84.7	2.00	8.76		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.71	85.7	2.00	9.21		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.03	83.8	6.00	9.71		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 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	10500	16.0	08/13/2025	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	08/13/2025	ND	188	93.9	200	0.402	
DRO >C10-C28*	159	10.0	08/13/2025	ND	207	103	200	1.48	
EXT DRO >C28-C36	67.3	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 87.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.0 % 40.6-153

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 HOBBS NM, 88240
 Fax To:

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 15 @ 0-3" (H254929-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2025	ND	1.63	81.4	2.00	7.07		
Toluene*	<0.050	0.050	08/13/2025	ND	1.69	84.7	2.00	8.76		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.71	85.7	2.00	9.21		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.03	83.8	6.00	9.71		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 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	5040	16.0	08/13/2025	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	08/13/2025	ND	188	93.9	200	0.402	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	207	103	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 92.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.8 % 40.6-153

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Analytical Results For:

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

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 16 @ 0-3" (H254929-16)

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	08/13/2025	ND	1.62	81.2	2.00	8.64		
Toluene*	<0.050	0.050	08/13/2025	ND	1.69	84.4	2.00	9.96		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.70	85.1	2.00	9.93		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.03	83.9	6.00	10.1		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.0 % 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	5120	16.0	08/13/2025	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	08/13/2025	ND	188	93.9	200	0.402	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	207	103	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 91.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.5 % 40.6-153

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Analytical Results For:

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

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 17 @ 0-3" (H254929-17)

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	08/13/2025	ND	1.62	81.2	2.00	8.64		
Toluene*	<0.050	0.050	08/13/2025	ND	1.69	84.4	2.00	9.96		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.70	85.1	2.00	9.93		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.03	83.9	6.00	10.1		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.4 % 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	3920	16.0	08/13/2025	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	08/13/2025	ND	188	93.9	200	0.402	
DRO >C10-C28*	79.1	10.0	08/13/2025	ND	207	103	200	1.48	
EXT DRO >C28-C36	29.7	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 98.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 99.1 % 40.6-153

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Analytical Results For:

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

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 18 @ 0-3" (H254929-18)

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	08/13/2025	ND	1.62	81.2	2.00	8.64		
Toluene*	<0.050	0.050	08/13/2025	ND	1.69	84.4	2.00	9.96		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.70	85.1	2.00	9.93		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.03	83.9	6.00	10.1		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 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	4160	16.0	08/13/2025	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	08/13/2025	ND	188	93.9	200	0.402	
DRO >C10-C28*	112	10.0	08/13/2025	ND	207	103	200	1.48	
EXT DRO >C28-C36	44.2	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 87.9 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 19 @ 0-3" (H254929-19)

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	08/13/2025	ND	1.62	81.2	2.00	8.64	
Toluene*	<0.050	0.050	08/13/2025	ND	1.69	84.4	2.00	9.96	
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.70	85.1	2.00	9.93	
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.03	83.9	6.00	10.1	
Total BTEX	<0.300	0.300	08/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 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	4080	16.0	08/13/2025	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	08/13/2025	ND	188	93.9	200	0.402	
DRO >C10-C28*	17.4	10.0	08/13/2025	ND	207	103	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 82.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.5 % 40.6-153

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 20 @ 0-3" (H254929-20)

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	08/13/2025	ND	1.62	81.2	2.00	8.64		
Toluene*	<0.050	0.050	08/13/2025	ND	1.69	84.4	2.00	9.96		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.70	85.1	2.00	9.93		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.03	83.9	6.00	10.1		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 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	4240	16.0	08/13/2025	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	08/13/2025	ND	188	93.9	200	0.402	
DRO >C10-C28*	22.1	10.0	08/13/2025	ND	207	103	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 90.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.2 % 40.6-153

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
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Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 21 @ 0-3" (H254929-21)

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	08/13/2025	ND	1.62	81.2	2.00	8.64		
Toluene*	<0.050	0.050	08/13/2025	ND	1.69	84.4	2.00	9.96		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.70	85.1	2.00	9.93		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.03	83.9	6.00	10.1		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 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	368	16.0	08/13/2025	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	08/13/2025	ND	188	93.9	200	0.402	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	207	103	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 95.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.2 % 40.6-153

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 HOBBS NM, 88240
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Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 22 @ 0-3" (H254929-22)

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	08/13/2025	ND	1.62	81.2	2.00	8.64		
Toluene*	<0.050	0.050	08/13/2025	ND	1.69	84.4	2.00	9.96		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.70	85.1	2.00	9.93		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.03	83.9	6.00	10.1		
Total BTEx	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 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	688	16.0	08/13/2025	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	08/13/2025	ND	188	93.9	200	0.402	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	207	103	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 98.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.4 % 40.6-153

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 HOBBS NM, 88240
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Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 23 @ 0-3" (H254929-23)

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	08/13/2025	ND	1.62	81.2	2.00	8.64		
Toluene*	<0.050	0.050	08/13/2025	ND	1.69	84.4	2.00	9.96		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.70	85.1	2.00	9.93		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.03	83.9	6.00	10.1		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 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	2600	16.0	08/13/2025	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	08/13/2025	ND	188	93.9	200	0.402	
DRO >C10-C28*	31.8	10.0	08/13/2025	ND	207	103	200	1.48	
EXT DRO >C28-C36	13.1	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 93.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.1 % 40.6-153

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Analytical Results For:

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

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 24 @ 0-3" (H254929-24)

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	08/13/2025	ND	1.62	81.2	2.00	8.64		
Toluene*	<0.050	0.050	08/13/2025	ND	1.69	84.4	2.00	9.96		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.70	85.1	2.00	9.93		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.03	83.9	6.00	10.1		
Total BTEX	<0.300	0.300	08/13/2025	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	1620	16.0	08/13/2025	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	08/13/2025	ND	188	93.9	200	0.402	
DRO >C10-C28*	14.1	10.0	08/13/2025	ND	207	103	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 95.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 92.7 % 40.6-153

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Analytical Results For:

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

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 25 @ 0-3" (H254929-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2025	ND	1.62	81.2	2.00	8.64		
Toluene*	<0.050	0.050	08/13/2025	ND	1.69	84.4	2.00	9.96		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.70	85.1	2.00	9.93		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.03	83.9	6.00	10.1		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 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	6400	16.0	08/13/2025	ND	400	100	400	3.92	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	08/13/2025	ND	188	93.9	200	0.402	
DRO >C10-C28*	82.4	10.0	08/13/2025	ND	207	103	200	1.48	
EXT DRO >C28-C36	41.4	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 93.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.1 % 40.6-153

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Analytical Results For:

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 Fax To:

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 26 @ 0-3" (H254929-26)

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	08/13/2025	ND	1.62	81.2	2.00	8.64		
Toluene*	<0.050	0.050	08/13/2025	ND	1.69	84.4	2.00	9.96		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.70	85.1	2.00	9.93		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.03	83.9	6.00	10.1		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 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	3280	16.0	08/13/2025	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	08/13/2025	ND	188	93.9	200	0.402	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	207	103	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 98.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.8 % 40.6-153

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 Fax To:

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 27 @ 0-3" (H254929-27)

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	08/13/2025	ND	1.62	81.2	2.00	8.64		
Toluene*	<0.050	0.050	08/13/2025	ND	1.69	84.4	2.00	9.96		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.70	85.1	2.00	9.93		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.03	83.9	6.00	10.1		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 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	5000	16.0	08/13/2025	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	08/13/2025	ND	188	93.9	200	0.402	
DRO >C10-C28*	73.6	10.0	08/13/2025	ND	207	103	200	1.48	
EXT DRO >C28-C36	38.6	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 96.5 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 28 @ 0-3" (H254929-28)

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	08/13/2025	ND	1.62	81.2	2.00	8.64	
Toluene*	<0.050	0.050	08/13/2025	ND	1.69	84.4	2.00	9.96	
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.70	85.1	2.00	9.93	
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.03	83.9	6.00	10.1	
Total BTEX	<0.300	0.300	08/13/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9840	16.0	08/13/2025	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	08/13/2025	ND	199	99.6	200	1.08	
DRO >C10-C28*	61.3	10.0	08/13/2025	ND	181	90.5	200	1.16	
EXT DRO >C28-C36	19.7	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 85.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.0 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 29 @ 0-3" (H254929-29)

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	08/13/2025	ND	1.62	81.2	2.00	8.64		
Toluene*	<0.050	0.050	08/13/2025	ND	1.69	84.4	2.00	9.96		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.70	85.1	2.00	9.93		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.03	83.9	6.00	10.1		
Total BTEx	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1180	16.0	08/13/2025	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	08/13/2025	ND	199	99.6	200	1.08	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	181	90.5	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 85.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.4 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 30 @ 0-3" (H254929-30)

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	08/13/2025	ND	1.62	81.2	2.00	8.64		
Toluene*	<0.050	0.050	08/13/2025	ND	1.69	84.4	2.00	9.96		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.70	85.1	2.00	9.93		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.03	83.9	6.00	10.1		
Total BTEX	<0.300	0.300	08/13/2025	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	2840	16.0	08/13/2025	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	08/13/2025	ND	199	99.6	200	1.08	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	181	90.5	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 82.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.1 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 31 @ 0-3" (H254929-31)

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	08/13/2025	ND	1.62	81.2	2.00	8.64		
Toluene*	<0.050	0.050	08/13/2025	ND	1.69	84.4	2.00	9.96		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.70	85.1	2.00	9.93		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.03	83.9	6.00	10.1		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 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	4240	16.0	08/13/2025	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	08/13/2025	ND	199	99.6	200	1.08	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	181	90.5	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 71.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.9 % 40.6-153

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Analytical Results For:

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

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 32 @ 0-3" (H254929-32)

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	08/13/2025	ND	1.62	81.2	2.00	8.64		
Toluene*	<0.050	0.050	08/13/2025	ND	1.69	84.4	2.00	9.96		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.70	85.1	2.00	9.93		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.03	83.9	6.00	10.1		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 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	4160	16.0	08/13/2025	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	08/13/2025	ND	199	99.6	200	1.08	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	181	90.5	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 59.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 53.0 % 40.6-153

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Analytical Results For:

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

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 33 @ 0-3" (H254929-33)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2025	ND	1.62	81.2	2.00	8.64		
Toluene*	<0.050	0.050	08/13/2025	ND	1.69	84.4	2.00	9.96		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.70	85.1	2.00	9.93		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.03	83.9	6.00	10.1		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1090	16.0	08/13/2025	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	08/13/2025	ND	199	99.6	200	1.08	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	181	90.5	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 80.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.4 % 40.6-153

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Analytical Results For:

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

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 34 @ 0-3" (H254929-34)

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	08/13/2025	ND	1.62	81.2	2.00	8.64		
Toluene*	<0.050	0.050	08/13/2025	ND	1.69	84.4	2.00	9.96		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.70	85.1	2.00	9.93		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.03	83.9	6.00	10.1		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 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	2160	16.0	08/13/2025	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	08/13/2025	ND	199	99.6	200	1.08	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	181	90.5	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 81.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.9 % 40.6-153

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Analytical Results For:

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

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 35 @ 0-3" (H254929-35)

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	08/13/2025	ND	1.62	81.2	2.00	8.64		
Toluene*	<0.050	0.050	08/13/2025	ND	1.69	84.4	2.00	9.96		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.70	85.1	2.00	9.93		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.03	83.9	6.00	10.1		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 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	2920	16.0	08/13/2025	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	08/13/2025	ND	199	99.6	200	1.08	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	181	90.5	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 85.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.3 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 36 @ 0-3" (H254929-36)

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	08/12/2025	ND	1.75	87.3	2.00	2.66		
Toluene*	<0.050	0.050	08/12/2025	ND	1.79	89.6	2.00	1.97		
Ethylbenzene*	<0.050	0.050	08/12/2025	ND	1.85	92.5	2.00	0.421		
Total Xylenes*	<0.150	0.150	08/12/2025	ND	5.63	93.8	6.00	0.305		
Total BTEX	<0.300	0.300	08/12/2025	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	2370	16.0	08/13/2025	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	08/13/2025	ND	199	99.6	200	1.08	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	181	90.5	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 85.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.9 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 37 @ 0-3" (H254929-37)

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	08/12/2025	ND	1.75	87.3	2.00	2.66		
Toluene*	<0.050	0.050	08/12/2025	ND	1.79	89.6	2.00	1.97		
Ethylbenzene*	<0.050	0.050	08/12/2025	ND	1.85	92.5	2.00	0.421		
Total Xylenes*	<0.150	0.150	08/12/2025	ND	5.63	93.8	6.00	0.305		
Total BTEX	<0.300	0.300	08/12/2025	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	3840	16.0	08/13/2025	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	08/13/2025	ND	199	99.6	200	1.08	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	181	90.5	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 85.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.8 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 38 @ 0-3" (H254929-38)

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	08/12/2025	ND	1.75	87.3	2.00	2.66		
Toluene*	<0.050	0.050	08/12/2025	ND	1.79	89.6	2.00	1.97		
Ethylbenzene*	<0.050	0.050	08/12/2025	ND	1.85	92.5	2.00	0.421		
Total Xylenes*	<0.150	0.150	08/12/2025	ND	5.63	93.8	6.00	0.305		
Total BTEX	<0.300	0.300	08/12/2025	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	3040	16.0	08/13/2025	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	08/13/2025	ND	199	99.6	200	1.08	
DRO >C10-C28*	11.1	10.0	08/13/2025	ND	181	90.5	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.1 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 39 @ 0-3" (H254929-39)

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	08/12/2025	ND	1.75	87.3	2.00	2.66		
Toluene*	<0.050	0.050	08/12/2025	ND	1.79	89.6	2.00	1.97		
Ethylbenzene*	<0.050	0.050	08/12/2025	ND	1.85	92.5	2.00	0.421		
Total Xylenes*	<0.150	0.150	08/12/2025	ND	5.63	93.8	6.00	0.305		
Total BTEX	<0.300	0.300	08/12/2025	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	3280	16.0	08/13/2025	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	08/13/2025	ND	199	99.6	200	1.08	
DRO >C10-C28*	15.6	10.0	08/13/2025	ND	181	90.5	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 86.3 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 40 @ 0-3" (H254929-40)

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	08/12/2025	ND	1.75	87.3	2.00	2.66		
Toluene*	<0.050	0.050	08/12/2025	ND	1.79	89.6	2.00	1.97		
Ethylbenzene*	<0.050	0.050	08/12/2025	ND	1.85	92.5	2.00	0.421		
Total Xylenes*	<0.150	0.150	08/12/2025	ND	5.63	93.8	6.00	0.305		
Total BTEX	<0.300	0.300	08/12/2025	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	1920	16.0	08/13/2025	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	08/13/2025	ND	199	99.6	200	1.08	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	181	90.5	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 78.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.8 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/11/2025
 Reported: 08/15/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 41 @ 0-3" (H254929-41)

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	08/12/2025	ND	1.75	87.3	2.00	2.66		
Toluene*	<0.050	0.050	08/12/2025	ND	1.79	89.6	2.00	1.97		
Ethylbenzene*	<0.050	0.050	08/12/2025	ND	1.85	92.5	2.00	0.421		
Total Xylenes*	<0.150	0.150	08/12/2025	ND	5.63	93.8	6.00	0.305		
Total BTX	<0.300	0.300	08/12/2025	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	2920	16.0	08/13/2025	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	08/13/2025	ND	199	99.6	200	1.08	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	181	90.5	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 77.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Page 1 of 5

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																												
Project Manager: Lance Crenshaw				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																												
Address: 2617 West Marland				Company: Mewbourne Oil Company																																
City: Hobbs		State: NM		Zip: 88240		Attn: Connor Walker																														
Phone #: (575) 264-9884		Fax #:		Address:		City:																														
Project #: 22714		Project Owner: Mewbourne Oil Company		State:		Zip:																														
Project Name: Red Hills West Unit 27				Phone #:																																
Project Location: 32.052347, -103.676651				Fax #:																																
Sampler Name: Alyxis Sanchez																																				
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																				
1		FL 1 @ 0-3"		C	1			X				X		8/8/25		X	X	X																		
2		FL 2 @ 0-3"		C	1			X				X		8/8/25		X	X	X																		
3		FL 3 @ 0-3"		C	1			X				X		8/8/25		X	X	X																		
4		FL 4 @ 0-3"		C	1			X				X		8/8/25		X	X	X																		
5		FL 5 @ 0-3"		C	1			X				X		8/8/25		X	X	X																		
6		FL 6 @ 0-3"		C	1			X				X		8/8/25		X	X	X																		
7		FL 7 @ 0-3"		C	1			X				X		8/8/25		X	X	X																		
8		FL 8 @ 0-3"		C	1			X				X		8/8/25		X	X	X																		
9		FL 9 @ 0-3"		C	1			X				X		8/8/25		X	X	X																		
10		FL 10 @ 0-3"		C	1			X				X		8/8/25		X	X	X																		

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Relinquished By: 		Received By: 		Verbal Result: ☐ Yes ☐ No Add'l Phone #:	
Date: 8-11-25 Time: 10:34		Date: 8-11-25 Time: 10:34		All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Received By:		REMARKS:	
Date:		Date:		Time:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C 5.12 Corrected Temp. °C -4.82		Sample Condition Cool Intact ☒ Yes ☐ No ☐ Yes ☐ No	
Turnaround Time: Standard ☒ Rush ☐		CHECKED BY: (Initials) AP		Thermometer ID #140 Correction Factor -0.5°C	
Bacteria (only) Sample Condition Cool Intact ☐ Yes ☐ No ☐ Yes ☐ No		Observed Temp. °C		Corrected Temp. °C	



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Page 2 of 5

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																			
Project Manager: Lance Crenshaw				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																			
Address: 2617 West Marland				Company: Mewbourne Oil Company																							
City: Hobbs State: NM Zip: 88240				Attn: Connor Walker																							
Phone #: (575) 264-9884 Fax #:				Address:																							
Project #: 22714 Project Owner: Mewbourne Oil Company				City:																							
Project Name: Red Hills West Unit 27				State: Zip:																							
Project Location: 32.052347, -103.676651				Phone #:																							
Sampler Name: Alyxis Sanchez				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											
11		FL 11 @ 0-3"		C 1				X				X		8/8/25				X X X									
12		FL 12 @ 0-3"		C 1				X				X		8/8/25				X X X									
13		FL 13 @ 0-3"		C 1				X				X		8/8/25				X X X									
14		FL 14 @ 0-3"		C 1				X				X		8/8/25				X X X									
15		FL 15 @ 0-3"		C 1				X				X		8/8/25				X X X									
16		FL 16 @ 0-3"		C 1				X				X		8/8/25				X X X									
17		FL 17 @ 0-3"		C 1				X				X		8/8/25				X X X									
18		FL 18 @ 0-3"		C 1				X				X		8/8/25				X X X									
19		FL 19 @ 0-3"		C 1				X				X		8/8/25				X X X									
20		FL 20 @ 0-3"		C 1				X				X		8/8/25				X X X									

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Relinquished By:		Date: 8-11-25		Received By:		Verbal Result: ☐ Yes ☐ No Add'l Phone #:	
		Time: 1634				All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS:	
Time:							
Delivered By: (Circle One)		Observed Temp. °C 51		Sample Condition		CHECKED BY:	
Sampler - UPS - Bus - Other:		Corrected Temp. °C -4.5		Cool Intact ☒ Yes ☐ No		(Initials)	
				☐ No ☐ No			
						Turnaround Time: ☒ Standard ☐ Rush	
						Bacteria (only) Sample Condition	
						Cool Intact ☐ Yes ☐ No	
						Observed Temp. °C	
						Corrected Temp. °C	

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

Page 3 of 5

Company Name: Etech Environmental & Safety Solutions, Inc.								BILL TO						ANALYSIS REQUEST										
Project Manager: Lance Crenshaw								P.O. #:																
Address: 2617 West Marland								Company: Mewbourne Oil Company																
City: Hobbs State: NM Zip: 88240								Attn: Connor Walker																
Phone #: (575) 264-9884 Fax #:								Address:																
Project #: 22714 Project Owner: Mewbourne Oil Company								City:																
Project Name: Red Hills West Unit 27								State: Zip:																
Project Location: 32.052347, -103.676651								Phone #:																
Sampler Name: Alyxis Sanchez								Fax #:																
FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		Chloride TPH (8015M) BTEX (8021B)									
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											
#254929																								
21	FL 21 @ 0-3"	C 1			X					X		8/8/25		X X X										
22	FL 22 @ 0-3"	C 1			X					X		8/8/25		X X X										
23	FL 23 @ 0-3"	C 1			X					X		8/8/25		X X X										
24	FL 24 @ 0-3"	C 1			X					X		8/8/25		X X X										
25	FL 25 @ 0-3"	C 1			X					X		8/8/25		X X X										
26	FL 26 @ 0-3"	C 1			X					X		8/8/25		X X X										
27	FL 27 @ 0-3"	C 1			X					X		8/8/25		X X X										
28	FL 28 @ 0-3"	C 1			X					X		8/8/25		X X X										
29	FL 29 @ 0-3"	C 1			X					X		8/8/25		X X X										
30	FL 30 @ 0-3"	C 1			X					X		8/8/25		X X X										

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Relinquished By: <i>Matt</i>		Date: <i>8-11-25</i>		Received By: <i>AP</i>		Verbal Result: ☐ Yes ☐ No ☒ Add'l Phone #:	
		Time: <i>1034</i>				All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Date:		Received By:		REMARKS:	
		Time:					
Delivered By: (Circle One)		Observed Temp. °C <i>51.1</i>	Sample Condition Cool Intact ☒ Yes ☐ No	CHECKED BY: (Initials) <i>AP</i>	Turnaround Time: ☒ Standard ☐ Rush	Bacteria (only) Cool Intact ☒ Yes ☐ No	Sample Condition Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C <i>-48.1</i>		☒ Yes ☐ No		Thermometer ID #140 Correction Factor <i>-0.6°C</i> <i>+0.3</i>	☐ Yes ☐ No	Corrected Temp. °C



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
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Page 4 of 5

Company Name: Etch Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																			
Project Manager: Lance Crenshaw				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																			
Address: 2617 West Marland				Company: Mewbourne Oil Company																							
City: Hobbs State: NM Zip: 88240				Attn: Connor Walker																							
Phone #: (575) 264-9884 Fax #:				Address:																							
Project #: 22714 Project Owner: Mewbourne Oil Company				City:																							
Project Name: Red Hills West Unit 27				State: Zip:																							
Project Location: 32.052347, -103.676651				Phone #:																							
Sampler Name: Alyxis Sanchez				Fax #:																							
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		(GRAB OR (C)OMP. # CONTAINERS		MATRIX		PRESERV.		SAMPLING															
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :		ACID/BASE: ICE / COOL OTHER :		DATE TIME															
H254929		31		FL 31 @ 0-3"		C 1				X		X		8/8/25		X X X											
32		32		FL 32 @ 0-3"		C 1				X		X		8/8/25		X X X											
33		33		FL 33 @ 0-3"		C 1				X		X		8/8/25		X X X											
34		34		FL 34 @ 0-3"		C 1				X		X		8/8/25		X X X											
35		35		FL 35 @ 0-3"		C 1				X		X		8/8/25		X X X											
36		36		FL 36 @ 0-3"		C 1				X		X		8/8/25		X X X											
37		37		FL 37 @ 0-3"		C 1				X		X		8/8/25		X X X											
38		38		FL 38 @ 0-3"		C 1				X		X		8/8/25		X X X											
39		39		FL 39 @ 0-3"		C 1				X		X		8/8/25		X X X											
40		40		FL 40 @ 0-3"		C 1				X		X		8/8/25		X X X											

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Relinquished By: 		Date: 8-11-25		Received By: 		Verbal Result: ☐ Yes ☐ No Add'l Phone #:	
Relinquished By:		Date:		Received By:		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C -5.1		Sample Condition Cool Intact ☐ Yes ☒ No		Turnaround Time: Standard ☒ Rush	
Corrected Temp. °C -4.8		CHECKED BY: (Initials) AD		Thermometer ID #140 Correction Factor +0.3		Bacteria (only) Sample Condition Cool Intact ☐ Yes ☒ No	
						Observed Temp. °C Corrected Temp. °C	

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Page 5 of 5

[illegible]

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Relinquished By: <i>Matt</i>		Date: <i>8-11-25</i>	Received By: <i>Asano</i>	Verbal Result: ☐ Yes ☐ No	Add'l Phone #:
		Time: <i>1031</i>		All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Date:	Received By:	REMARKS:	
		Time:			
Delivered By: (Circle One)	Observed Temp. °C <i>-5.1</i>	Sample Condition	CHECKED BY: <i>(Initials)</i>	Turnaround Time: ☒ Standard ☐ Rush	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C <i>-4.8</i>	Cool ☒ Intact ☐ Yes ☐ No ☐	<i>PP</i>	Thermometer ID #140	Cool ☐ Intact ☐
				Correction Factor: <i>-0.6°C to 3</i>	Observed Temp. °C
					Corrected Temp. °C



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

August 18, 2025

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RED HILLS WEST UNIT 27

Enclosed are the results of analyses for samples received by the laboratory on 08/12/25 15:06.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 43 @ 0-3" (H254976-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2025	ND	1.89	94.4	2.00	19.5		
Toluene*	<0.050	0.050	08/13/2025	ND	1.84	92.0	2.00	12.2		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.82	91.0	2.00	6.44		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.51	91.8	6.00	5.55		
Total BTEX	<0.300	0.300	08/13/2025	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	2520	16.0	08/13/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2025	ND	198	99.0	200	0.962	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	189	94.4	200	0.866	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 83.3 % 44.4-145

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

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 44 @ 0-3" (H254976-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2025	ND	1.89	94.4	2.00	19.5		
Toluene*	<0.050	0.050	08/13/2025	ND	1.84	92.0	2.00	12.2		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.82	91.0	2.00	6.44		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.51	91.8	6.00	5.55		
Total BTEX	<0.300	0.300	08/13/2025	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	3080	16.0	08/13/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2025	ND	198	99.0	200	0.962	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	189	94.4	200	0.866	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 88.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.7 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 45 @ 0-3" (H254976-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2025	ND	1.89	94.4	2.00	19.5		
Toluene*	<0.050	0.050	08/13/2025	ND	1.84	92.0	2.00	12.2		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.82	91.0	2.00	6.44		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.51	91.8	6.00	5.55		
Total BTEX	<0.300	0.300	08/13/2025	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	1340	16.0	08/13/2025	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2025	ND	198	99.0	200	0.962	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	189	94.4	200	0.866	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 90.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.7 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 46 @ 0-3" (H254976-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2025	ND	1.89	94.4	2.00	19.5		
Toluene*	<0.050	0.050	08/13/2025	ND	1.84	92.0	2.00	12.2		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.82	91.0	2.00	6.44		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.51	91.8	6.00	5.55		
Total BTEX	<0.300	0.300	08/13/2025	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	3080	16.0	08/13/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2025	ND	167	83.3	200	0.472	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	160	79.9	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 62.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 56.3 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 47 @ 0-3" (H254976-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2025	ND	1.89	94.4	2.00	19.5	
Toluene*	<0.050	0.050	08/13/2025	ND	1.84	92.0	2.00	12.2	
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.82	91.0	2.00	6.44	
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.51	91.8	6.00	5.55	
Total BTEX	<0.300	0.300	08/13/2025	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	4200	16.0	08/13/2025	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2025	ND	167	83.3	200	0.472	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	160	79.9	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 72.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.6 % 40.6-153

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Analytical Results For:

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

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 48 @ 0-3" (H254976-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2025	ND	1.89	94.4	2.00	19.5		
Toluene*	<0.050	0.050	08/13/2025	ND	1.84	92.0	2.00	12.2		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.82	91.0	2.00	6.44		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.51	91.8	6.00	5.55		
Total BTEX	<0.300	0.300	08/13/2025	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	7680	16.0	08/13/2025	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2025	ND	167	83.3	200	0.472	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	160	79.9	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 68.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 61.4 % 40.6-153

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 HOBBS NM, 88240
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Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 49 @ 0-3" (H254976-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2025	ND	1.89	94.4	2.00	19.5	
Toluene*	<0.050	0.050	08/13/2025	ND	1.84	92.0	2.00	12.2	
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.82	91.0	2.00	6.44	
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.51	91.8	6.00	5.55	
Total BTEX	<0.300	0.300	08/13/2025	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	3280	16.0	08/13/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2025	ND	167	83.3	200	0.472	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	160	79.9	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 74.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.1 % 40.6-153

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Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 50 @ 0-3" (H254976-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2025	ND	1.89	94.4	2.00	19.5		
Toluene*	<0.050	0.050	08/13/2025	ND	1.84	92.0	2.00	12.2		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.82	91.0	2.00	6.44		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.51	91.8	6.00	5.55		
Total BTEX	<0.300	0.300	08/13/2025	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	1260	16.0	08/13/2025	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2025	ND	167	83.3	200	0.472	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	160	79.9	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 65.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 58.8 % 40.6-153

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Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 51 @ 0-3" (H254976-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2025	ND	1.89	94.4	2.00	19.5		
Toluene*	<0.050	0.050	08/13/2025	ND	1.84	92.0	2.00	12.2		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.82	91.0	2.00	6.44		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.51	91.8	6.00	5.55		
Total BTEX	<0.300	0.300	08/13/2025	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	2060	16.0	08/13/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2025	ND	167	83.3	200	0.472	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	160	79.9	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 65.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 58.7 % 40.6-153

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Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 52 @ 0-3" (H254976-10)

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	08/13/2025	ND	1.89	94.4	2.00	19.5		
Toluene*	<0.050	0.050	08/13/2025	ND	1.84	92.0	2.00	12.2		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.82	91.0	2.00	6.44		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.51	91.8	6.00	5.55		
Total BTX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	2200	16.0	08/13/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2025	ND	167	83.3	200	0.472	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	160	79.9	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 68.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 62.0 % 40.6-153

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Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 53 @ 0-3" (H254976-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2025	ND	1.89	94.4	2.00	19.5		
Toluene*	<0.050	0.050	08/13/2025	ND	1.84	92.0	2.00	12.2		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.82	91.0	2.00	6.44		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.51	91.8	6.00	5.55		
Total BTEX	<0.300	0.300	08/13/2025	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	2040	16.0	08/13/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2025	ND	167	83.3	200	0.472	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	160	79.9	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 66.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 60.6 % 40.6-153

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 HOBBS NM, 88240
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Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 54 @ 0-3" (H254976-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2025	ND	1.89	94.4	2.00	19.5		
Toluene*	<0.050	0.050	08/13/2025	ND	1.84	92.0	2.00	12.2		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.82	91.0	2.00	6.44		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.51	91.8	6.00	5.55		
Total BTEX	<0.300	0.300	08/13/2025	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	1300	16.0	08/13/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2025	ND	167	83.3	200	0.472	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	160	79.9	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 64.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 58.4 % 40.6-153

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 Fax To:

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 55 @ 0-3" (H254976-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2025	ND	1.89	94.4	2.00	19.4		
Toluene*	<0.050	0.050	08/13/2025	ND	1.90	94.9	2.00	13.4		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.89	94.3	2.00	9.79		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 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	1900	16.0	08/13/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2025	ND	167	83.3	200	0.472	
DRO >C10-C28*	551	10.0	08/13/2025	ND	160	79.9	200	3.95	
EXT DRO >C28-C36	99.8	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 64.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.1 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 56 @ 0-3" (H254976-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2025	ND	1.89	94.4	2.00	19.4		
Toluene*	<0.050	0.050	08/13/2025	ND	1.90	94.9	2.00	13.4		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.89	94.3	2.00	9.79		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 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	3160	16.0	08/13/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2025	ND	167	83.3	200	0.472	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	160	79.9	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 50.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 47.2 % 40.6-153

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Analytical Results For:

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

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 57 @ 0-3" (H254976-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2025	ND	1.89	94.4	2.00	19.4		
Toluene*	<0.050	0.050	08/13/2025	ND	1.90	94.9	2.00	13.4		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.89	94.3	2.00	9.79		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	08/13/2025	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	4960	16.0	08/13/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2025	ND	167	83.3	200	0.472	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	160	79.9	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 61.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 56.4 % 40.6-153

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Analytical Results For:

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

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 58 @ 0-3" (H254976-16)

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	08/13/2025	ND	1.89	94.4	2.00	19.4		
Toluene*	<0.050	0.050	08/13/2025	ND	1.90	94.9	2.00	13.4		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.89	94.3	2.00	9.79		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.54	92.3	6.00	9.50		
Total BTEx	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 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	2800	16.0	08/13/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2025	ND	167	83.3	200	0.472	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	160	79.9	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 58.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 53.8 % 40.6-153

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Analytical Results For:

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

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 59 @ 0-3" (H254976-17)

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	08/13/2025	ND	1.89	94.4	2.00	19.4		
Toluene*	<0.050	0.050	08/13/2025	ND	1.90	94.9	2.00	13.4		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.89	94.3	2.00	9.79		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 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	4360	16.0	08/13/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2025	ND	167	83.3	200	0.472	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	160	79.9	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 64.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 59.7 % 40.6-153

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Analytical Results For:

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

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 60 @ 0-3" (H254976-18)

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	08/13/2025	ND	1.89	94.4	2.00	19.4		
Toluene*	<0.050	0.050	08/13/2025	ND	1.90	94.9	2.00	13.4		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.89	94.3	2.00	9.79		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 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	3280	16.0	08/13/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2025	ND	167	83.3	200	0.472	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	160	79.9	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 72.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.6 % 40.6-153

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Analytical Results For:

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

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 61 @ 0-3" (H254976-19)

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	08/13/2025	ND	1.89	94.4	2.00	19.4		
Toluene*	<0.050	0.050	08/13/2025	ND	1.90	94.9	2.00	13.4		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.89	94.3	2.00	9.79		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	08/13/2025	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	2000	16.0	08/13/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/13/2025	ND	167	83.3	200	0.472	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	160	79.9	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 64.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 58.1 % 40.6-153

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Analytical Results For:

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

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 62 @ 0-3" (H254976-20)

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	08/13/2025	ND	1.89	94.4	2.00	19.4		
Toluene*	<0.050	0.050	08/13/2025	ND	1.90	94.9	2.00	13.4		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.89	94.3	2.00	9.79		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3600	16.0	08/13/2025	ND	416	104	400	3.77	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	08/13/2025	ND	167	83.3	200	0.472	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	160	79.9	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 66.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 61.0 % 40.6-153

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Analytical Results For:

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

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 63 @ 0-3" (H254976-21)

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	08/13/2025	ND	1.89	94.4	2.00	19.4		
Toluene*	<0.050	0.050	08/13/2025	ND	1.90	94.9	2.00	13.4		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.89	94.3	2.00	9.79		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/13/2025	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	08/13/2025	ND	167	83.3	200	0.472	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	160	79.9	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 68.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 61.7 % 40.6-153

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Analytical Results For:

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

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 64 @ 0-3" (H254976-22)

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	08/13/2025	ND	1.89	94.4	2.00	19.4		
Toluene*	<0.050	0.050	08/13/2025	ND	1.90	94.9	2.00	13.4		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.89	94.3	2.00	9.79		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	08/13/2025	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	08/13/2025	ND	167	83.3	200	0.472	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	160	79.9	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 69.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 62.7 % 40.6-153

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Analytical Results For:

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

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 65 @ 0-3" (H254976-23)

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	08/13/2025	ND	1.89	94.4	2.00	19.4		
Toluene*	<0.050	0.050	08/13/2025	ND	1.90	94.9	2.00	13.4		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.89	94.3	2.00	9.79		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1740	16.0	08/13/2025	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	08/13/2025	ND	167	83.3	200	0.472	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	160	79.9	200	3.95	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 59.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 54.5 % 40.6-153

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Analytical Results For:

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

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 66 @ 0-3" (H254976-24)

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	08/13/2025	ND	1.89	94.4	2.00	19.4		
Toluene*	<0.050	0.050	08/13/2025	ND	1.90	94.9	2.00	13.4		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.89	94.3	2.00	9.79		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1890	16.0	08/13/2025	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	08/13/2025	ND	208	104	200	1.27	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	202	101	200	0.0545	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 111 % 40.6-153

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Analytical Results For:

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

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 67 @ 0-3" (H254976-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2025	ND	1.89	94.4	2.00	19.4		
Toluene*	<0.050	0.050	08/13/2025	ND	1.90	94.9	2.00	13.4		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.89	94.3	2.00	9.79		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.54	92.3	6.00	9.50		
Total BTEx	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5520	16.0	08/13/2025	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	08/13/2025	ND	208	104	200	1.27	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	202	101	200	0.0545	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 114 % 44.4-145

Surrogate: 1-Chlorooctadecane 117 % 40.6-153

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Analytical Results For:

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 HOBBS NM, 88240
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Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 68 @ 0-3" (H254976-26)

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	08/13/2025	ND	1.89	94.4	2.00	19.4		
Toluene*	<0.050	0.050	08/13/2025	ND	1.90	94.9	2.00	13.4		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.89	94.3	2.00	9.79		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2200	16.0	08/13/2025	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	08/13/2025	ND	208	104	200	1.27	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	202	101	200	0.0545	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 40.6-153

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Analytical Results For:

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

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 69 @ 0-3" (H254976-27)

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	08/13/2025	ND	1.89	94.4	2.00	19.4		
Toluene*	<0.050	0.050	08/13/2025	ND	1.90	94.9	2.00	13.4		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.89	94.3	2.00	9.79		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	08/13/2025	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	08/13/2025	ND	208	104	200	1.27	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	202	101	200	0.0545	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 40.6-153

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Analytical Results For:

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

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 70 @ 0-3" (H254976-28)

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	08/13/2025	ND	1.89	94.4	2.00	19.4		
Toluene*	<0.050	0.050	08/13/2025	ND	1.90	94.9	2.00	13.4		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.89	94.3	2.00	9.79		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/13/2025	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	08/13/2025	ND	208	104	200	1.27	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	202	101	200	0.0545	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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 2617 W MARLAND
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 Fax To:

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 71 @ 0-3" (H254976-29)

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	08/13/2025	ND	1.89	94.4	2.00	19.4		
Toluene*	<0.050	0.050	08/13/2025	ND	1.90	94.9	2.00	13.4		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.89	94.3	2.00	9.79		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/13/2025	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	08/13/2025	ND	208	104	200	1.27	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	202	101	200	0.0545	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 105 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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Analytical Results For:

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

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 72 @ 0-3" (H254976-30)

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	08/13/2025	ND	1.89	94.4	2.00	19.4		
Toluene*	<0.050	0.050	08/13/2025	ND	1.90	94.9	2.00	13.4		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.89	94.3	2.00	9.79		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	08/13/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/13/2025	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	08/13/2025	ND	208	104	200	1.27	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	202	101	200	0.0545	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	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



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

Analytical Results For:

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

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 73 @ 0-3" (H254976-31)

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	08/13/2025	ND	1.89	94.4	2.00	19.4		
Toluene*	<0.050	0.050	08/13/2025	ND	1.90	94.9	2.00	13.4		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.89	94.3	2.00	9.79		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/13/2025	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	08/13/2025	ND	208	104	200	1.27	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	202	101	200	0.0545	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 108 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 40.6-153

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Analytical Results For:

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

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 74 @ 0-3" (H254976-32)

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	08/13/2025	ND	1.89	94.4	2.00	19.4		
Toluene*	<0.050	0.050	08/13/2025	ND	1.90	94.9	2.00	13.4		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.89	94.3	2.00	9.79		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.54	92.3	6.00	9.50		
Total BTEX	<0.300	0.300	08/13/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	08/13/2025	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	08/13/2025	ND	208	104	200	1.27	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	202	101	200	0.0545	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 83.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.3 % 40.6-153

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Analytical Results For:

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

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 75 @ 0-3" (H254976-33)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2025	ND	1.72	85.8	2.00	1.97		
Toluene*	<0.050	0.050	08/13/2025	ND	1.77	88.6	2.00	1.91		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.79	89.5	2.00	2.43		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.56	92.6	6.00	1.71		
Total BTEX	<0.300	0.300	08/13/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12000	16.0	08/13/2025	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	08/13/2025	ND	208	104	200	1.27	
DRO >C10-C28*	10.0	10.0	08/13/2025	ND	202	101	200	0.0545	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 76 @ 0-3" (H254976-34)

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	08/13/2025	ND	1.72	85.8	2.00	1.97		
Toluene*	<0.050	0.050	08/13/2025	ND	1.77	88.6	2.00	1.91		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.79	89.5	2.00	2.43		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.56	92.6	6.00	1.71		
Total BTEX	<0.300	0.300	08/13/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12800	16.0	08/13/2025	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	08/13/2025	ND	208	104	200	1.27	
DRO >C10-C28*	11.9	10.0	08/13/2025	ND	202	101	200	0.0545	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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Analytical Results For:

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

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 77 @ 0-3" (H254976-35)

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	08/13/2025	ND	1.72	85.8	2.00	1.97		
Toluene*	<0.050	0.050	08/13/2025	ND	1.77	88.6	2.00	1.91		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.79	89.5	2.00	2.43		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.56	92.6	6.00	1.71		
Total BTEX	<0.300	0.300	08/13/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7860	16.0	08/13/2025	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	08/13/2025	ND	208	104	200	1.27	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	202	101	200	0.0545	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 112 % 44.4-145

Surrogate: 1-Chlorooctadecane 110 % 40.6-153

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Analytical Results For:

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

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 78 @ 0-3" (H254976-36)

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	08/13/2025	ND	1.72	85.8	2.00	1.97		
Toluene*	<0.050	0.050	08/13/2025	ND	1.77	88.6	2.00	1.91		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.79	89.5	2.00	2.43		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.56	92.6	6.00	1.71		
Total BTEX	<0.300	0.300	08/13/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4880	16.0	08/13/2025	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	08/13/2025	ND	208	104	200	1.27	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	202	101	200	0.0545	
EXT DRO >C28-C36	30.5	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 115 % 44.4-145

Surrogate: 1-Chlorooctadecane 116 % 40.6-153

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Analytical Results For:

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

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 79 @ 0-3" (H254976-37)

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	08/13/2025	ND	1.72	85.8	2.00	1.97	
Toluene*	<0.050	0.050	08/13/2025	ND	1.77	88.6	2.00	1.91	
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.79	89.5	2.00	2.43	
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.56	92.6	6.00	1.71	
Total BTEX	<0.300	0.300	08/13/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7280	16.0	08/13/2025	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	08/13/2025	ND	208	104	200	1.27	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	202	101	200	0.0545	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 116 % 44.4-145

Surrogate: 1-Chlorooctadecane 115 % 40.6-153

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Analytical Results For:

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

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 80 @ 0-3" (H254976-38)

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	08/13/2025	ND	1.72	85.8	2.00	1.97		
Toluene*	<0.050	0.050	08/13/2025	ND	1.77	88.6	2.00	1.91		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.79	89.5	2.00	2.43		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.56	92.6	6.00	1.71		
Total BTEX	<0.300	0.300	08/13/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/13/2025	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	08/13/2025	ND	208	104	200	1.27	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	202	101	200	0.0545	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 91.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.2 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 81 @ 0-3" (H254976-39)

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	08/13/2025	ND	1.72	85.8	2.00	1.97		
Toluene*	<0.050	0.050	08/13/2025	ND	1.77	88.6	2.00	1.91		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.79	89.5	2.00	2.43		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.56	92.6	6.00	1.71		
Total BTEX	<0.300	0.300	08/13/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/13/2025	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	08/13/2025	ND	208	104	200	1.27	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	202	101	200	0.0545	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 82 @ 0-3" (H254976-40)

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	08/13/2025	ND	1.72	85.8	2.00	1.97		
Toluene*	<0.050	0.050	08/13/2025	ND	1.77	88.6	2.00	1.91		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.79	89.5	2.00	2.43		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.56	92.6	6.00	1.71		
Total BTEX	<0.300	0.300	08/13/2025	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	4320	16.0	08/13/2025	ND	448	112	400	3.64	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	08/13/2025	ND	208	104	200	1.27	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	202	101	200	0.0545	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 111 % 44.4-145

Surrogate: 1-Chlorooctadecane 111 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 83 @ 0-3" (H254976-41)

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	08/13/2025	ND	1.72	85.8	2.00	1.97		
Toluene*	<0.050	0.050	08/13/2025	ND	1.77	88.6	2.00	1.91		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.79	89.5	2.00	2.43		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.56	92.6	6.00	1.71		
Total BTEX	<0.300	0.300	08/13/2025	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	4680	16.0	08/13/2025	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	08/13/2025	ND	208	104	200	1.27	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	202	101	200	0.0545	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 100 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/12/2025
 Reported: 08/18/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/11/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 84 @ 0-3" (H254976-42)

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	08/13/2025	ND	1.72	85.8	2.00	1.97		
Toluene*	<0.050	0.050	08/13/2025	ND	1.77	88.6	2.00	1.91		
Ethylbenzene*	<0.050	0.050	08/13/2025	ND	1.79	89.5	2.00	2.43		
Total Xylenes*	<0.150	0.150	08/13/2025	ND	5.56	92.6	6.00	1.71		
Total BTEX	<0.300	0.300	08/13/2025	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	5520	16.0	08/13/2025	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	08/13/2025	ND	208	104	200	1.27	
DRO >C10-C28*	<10.0	10.0	08/13/2025	ND	202	101	200	0.0545	
EXT DRO >C28-C36	<10.0	10.0	08/13/2025	ND					

Surrogate: 1-Chlorooctane 115 % 44.4-145

Surrogate: 1-Chlorooctadecane 117 % 40.6-153

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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
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 cursive script, appearing to read "Celey D. Keene".

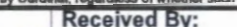
Celey D. Keene, Lab Director/Quality Manager

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

Page 1 of 5

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																	
Project Manager: Lance Crenshaw				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																	
Address: 2617 West Marland				Company: Viewbourne Oil Company																					
City: Hobbs State: NM Zip: 88240				Attn: Connor Walker																					
Phone #: (575) 264-9884 Fax #:				Address:																					
Project #: 22714 Project Owner: Mewbourne Oil Company				City:																					
Project Name: Red Hills West Unit 27				State: Zip:																					
Project Location: 32.052347, -103.676651				Phone #:																					
Sampler Name: Martin Sepulveda				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													
H224970		FL 43 @ 0-3"		C 1		X				X		8/11/25		X X X											
1		FL 44 @ 0-3"		C 1		X				X		8/11/25		X X X											
3		FL 45 @ 0-3"		C 1		X				X		8/11/25		X X X											
5		FL 46 @ 0-3"		C 1		X				X		8/11/25		X X X											
N		FL 47 @ 0-3"		C 1		X				X		8/11/25		X X X											
V		FL 48 @ 0-3"		C 1		X				X		8/11/25		X X X											
E		FL 49 @ 0-3"		C 1		X				X		8/11/25		X X X											
R		FL 50 @ 0-3"		C 1		X				X		8/11/25		X X X											
8		FL 51 @ 0-3"		C 1		X				X		8/11/25		X X X											
W		FL 52 @ 0-3"		C 1		X				X		8/11/25		X X X											

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Relinquished By: 		Date: 8.12.25		Received By: 		Verbal Result: ☐ Yes ☐ No ☒ Add'l Phone #:	
Relinquished By:		Date: 15:00		Received By:		All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Date:		Received By:		REMARKS:	
Time:		Time:		Time:		Time:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C -9.30		Sample Condition Cool Intact ☐ Yes ☒ No		CHECKED BY: (Initials) 	
Corrected Temp. °C -9.00		Observed Temp. °C -9.30		Sample Condition Cool Intact ☐ Yes ☒ No		Turnaround Time: Standard ☒ Rush	
Observed Temp. °C -9.30		Sample Condition Cool Intact ☐ Yes ☒ No		CHECKED BY: (Initials) 		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☒ No	
Observed Temp. °C -9.30		Sample Condition Cool Intact ☐ Yes ☒ No		CHECKED BY: (Initials) 		Correction Factor -0.6°C to -3.0°C	
Observed Temp. °C -9.30		Sample Condition Cool Intact ☐ Yes ☒ No		CHECKED BY: (Initials) 		Thermometer ID #140	
Observed Temp. °C -9.30		Sample Condition Cool Intact ☐ Yes ☒ No		CHECKED BY: (Initials) 		Correction Factor -0.6°C to -3.0°C	
Observed Temp. °C -9.30		Sample Condition Cool Intact ☐ Yes ☒ No		CHECKED BY: (Initials) 		Thermometer ID #140	
Observed Temp. °C -9.30		Sample Condition Cool Intact ☐ Yes ☒ No		CHECKED BY: (Initials) 		Correction Factor -0.6°C to -3.0°C	

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Page 2 of 5

[illegible]

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Relinquished By: 		Date: 8-12-25		Received By: 		Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Date: 1:50		Received By:		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C -9.3		Sample Condition Cool Intact ☒ Yes ☐ No ☐ Yes ☐ No		CHECKED BY: (Initials) 	
Corrected Temp. °C -9.0		Turnaround Time: Standard ☒ Rush ☐		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ No ☐ Yes ☐ No		Thermometer ID #140 Correction Factor -0.3	
						Corrected Temp. °C	



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
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Page 3 of 5

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																																																																																																																																																																																																																													
Project Manager: Lance Crenshaw				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																																																																																																																																																																																																																													
Address: 2617 West Marland				Company: Viewbourne Oil Company																																																																																																																																																																																																																																	
City: Hobbs		State: NM		Zip: 88240		Attn: Connor Walker																																																																																																																																																																																																																															
Phone #: (575) 264-9884		Fax #:		Address:																																																																																																																																																																																																																																	
Project #: 22714		Project Owner: Mewbourne Oil Company		City:																																																																																																																																																																																																																																	
Project Name: Red Hills West Unit 27				State:		Zip:																																																																																																																																																																																																																															
Project Location: 32.052347, -103.676651				Phone #:																																																																																																																																																																																																																																	
Sampler Name: Martin Sepulveda				Fax #:																																																																																																																																																																																																																																	
<table border="1"> <thead> <tr> <th colspan="2">FOR LAB USE ONLY</th> <th rowspan="2">GRAB OR (C)OMP.</th> <th rowspan="2"># CONTAINERS</th> <th colspan="6">MATRIX</th> <th colspan="3">PRESERV.</th> <th colspan="2">SAMPLING</th> </tr> <tr> <th>Lab I.D.</th> <th>Sample I.D.</th> <th>GROUNDWATER</th> <th>WASTEWATER</th> <th>SOIL</th> <th>OIL</th> <th>SLUDGE</th> <th>OTHER :</th> <th>ACID/BASE:</th> <th>ICE / COOL</th> <th>OTHER :</th> <th>DATE</th> <th>TIME</th> </tr> </thead> <tbody> <tr> <td>H254976</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>21</td> <td>FL 63 @ 0-3"</td> <td>C</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>8/11/25</td> <td></td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>22</td> <td>FL 64 @ 0-3"</td> <td>C</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>8/11/25</td> <td></td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>23</td> <td>FL 65 @ 0-3"</td> <td>C</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>8/11/25</td> <td></td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>24</td> <td>FL 66 @ 0-3"</td> <td>C</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>8/11/25</td> <td></td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>25</td> <td>FL 67 @ 0-3"</td> <td>C</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>8/11/25</td> <td></td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>26</td> <td>FL 68 @ 0-3"</td> <td>C</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>8/11/25</td> <td></td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>27</td> <td>FL 69 @ 0-3"</td> <td>C</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>8/11/25</td> <td></td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>28</td> <td>FL 70 @ 0-3"</td> <td>C</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>8/11/25</td> <td></td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>29</td> <td>FL 71 @ 0-3"</td> <td>C</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>8/11/25</td> <td></td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>30</td> <td>FL 72 @ 0-3"</td> <td>C</td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>8/11/25</td> <td></td> <td>X</td> <td>X</td> <td>X</td> </tr> </tbody> </table>																FOR LAB USE ONLY		GRAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.			SAMPLING		Lab I.D.	Sample I.D.	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	H254976																21	FL 63 @ 0-3"	C	1			X				X		8/11/25		X	X	X	22	FL 64 @ 0-3"	C	1			X				X		8/11/25		X	X	X	23	FL 65 @ 0-3"	C	1			X				X		8/11/25		X	X	X	24	FL 66 @ 0-3"	C	1			X				X		8/11/25		X	X	X	25	FL 67 @ 0-3"	C	1			X				X		8/11/25		X	X	X	26	FL 68 @ 0-3"	C	1			X				X		8/11/25		X	X	X	27	FL 69 @ 0-3"	C	1			X				X		8/11/25		X	X	X	28	FL 70 @ 0-3"	C	1			X				X		8/11/25		X	X	X	29	FL 71 @ 0-3"	C	1			X				X		8/11/25		X	X	X	30	FL 72 @ 0-3"	C	1			X				X		8/11/25		X	X	X
FOR LAB USE ONLY		GRAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.			SAMPLING																																																																																																																																																																																																																								
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24	FL 66 @ 0-3"	C	1			X				X		8/11/25		X	X	X																																																																																																																																																																																																																					
25	FL 67 @ 0-3"	C	1			X				X		8/11/25		X	X	X																																																																																																																																																																																																																					
26	FL 68 @ 0-3"	C	1			X				X		8/11/25		X	X	X																																																																																																																																																																																																																					
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28	FL 70 @ 0-3"	C	1			X				X		8/11/25		X	X	X																																																																																																																																																																																																																					
29	FL 71 @ 0-3"	C	1			X				X		8/11/25		X	X	X																																																																																																																																																																																																																					
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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:		Date: 8/12/25	Received By:		Verbal Result: ☐ Yes ☐ No Add'l Phone #:	
		Time: 1:00 PM			All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Date:	Received By:		REMARKS:	
		Time:				
Delivered By: (Circle One)		Observed Temp. °C -9.3	Sample Condition		Turnaround Time: ☒ Standard ☐ Rush	
Sampler - UPS - Bus - Other:		Corrected Temp. °C -9.0	Cool Intact ☒ Yes ☐ No		Bacteria (only) Sample Condition	
					Cool Intact ☐ Yes ☐ No	
					Observed Temp. °C	
					Corrected Temp. °C	
			CHECKED BY: (Initials)		Thermometer ID #140	
					Correction Factor -0.6°C to 31	



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Page 4 of 5

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																		
Project Manager: Lance Crenshaw				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																		
Address: 2617 West Marland				Company: Newbourne Oil Company																						
City: Hobbs		State: NM		Zip: 88240		Attn: Connor Walker																				
Phone #: (575) 264-9884		Fax #:		Address:		City:																				
Project #: 22714		Project Owner: Newbourne Oil Company		State:		Zip:																				
Project Name: Red Hills West Unit 27				Phone #:																						
Project Location: 32.052347, -103.676651				Fax #:																						
Sampler Name: Martin Sepulveda																										
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													
31	FL 73 @ 0-3"	C 1			X				X			8/11/25		X	X	X										
32	FL 74 @ 0-3"	C 1			X				X			8/11/25		X	X	X										
33	FL 75 @ 0-3"	C 1			X				X			8/11/25		X	X	X										
34	FL 76 @ 0-3"	C 1			X				X			8/11/25		X	X	X										
35	FL 77 @ 0-3"	C 1			X				X			8/11/25		X	X	X										
36	FL 78 @ 0-3"	C 1			X				X			8/11/25		X	X	X										
37	FL 79 @ 0-3"	C 1			X				X			8/11/25		X	X	X										
38	FL 80 @ 0-3"	C 1			X				X			8/11/25		X	X	X										
39	FL 81 @ 0-3"	C 1			X				X			8/11/25		X	X	X										
40	FL 82 @ 0-3"	C 1			X				X			8/11/25		X	X	X										

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Relinquished By:		Date: 8-03-25	Received By:		Verbal Result: ☐ Yes ☐ No Add'l Phone #:	
		Time: 1500			All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Date:	Received By:		REMARKS:	
Time:						
Delivered By: (Circle One)		Observed Temp. °C -9.3	Sample Condition		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		Corrected Temp. °C -9.0	Cool Intact ☒ Yes ☐ No			
					Turnaround Time: Standard ☒ Rush ☐	
					Thermometer ID #140 Correction Factor -0.6°C +0.3 AD	
					Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ No ☐ Yes ☐ No Corrected Temp. °C	



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 5 of 5

Page 49 of 49

Company Name: Etch Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																																							
Project Manager: Lance Crenshaw				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																																							
Address: 2617 West Marland				Company: Viewbourne Oil Company																																											
City: Hobbs		State: NM		Zip: 88240		Attn: Connor Walker																																									
Phone #: (575) 264-9884		Fax #:		Address:		City:																																									
Project #: 22714		Project Owner: Mewbourne Oil Company		State:		Zip:																																									
Project Name: Red Hills West Unit 27				Phone #:																																											
Project Location: 32.052347, -103.676651				Fax #:																																											
Sampler Name: Martin Sepulveda																																															
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																			
		H254976		FL 83 @ 0-3"		C 1						X								X						8/11/25				X		X		X													
		41		FL 84 @ 0-3"		C 1						X								X						8/11/25				X		X		X													
		42																																													

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Relinquished By:		Date: 8-12-25		Received By:		Verbal Result: ☐ Yes ☐ No Add'l Phone #:	
		Time: 1506				All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Date:		Received By:		REMARKS:	
		Time:					
Delivered By: (Circle One)		Observed Temp. °C -9.30		Sample Condition		Turnaround Time: Standard ☒ Rush ☐	
Sampler - UPS - Bus - Other:		Corrected Temp. °C -9.02		Cool Intact ☐ Yes ☐ No ☐ Yes ☐ No		Bacteria (only) Sample Condition	
				CHECKED BY: (Initials)		Thermometer ID #140 Correction Factor -0.5°C +0.30	
						Cool Intact ☐ Yes ☐ No ☐ Yes ☐ No Observed Temp. °C	
						Corrected Temp. °C	



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

August 19, 2025

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RED HILLS WEST UNIT 27

Enclosed are the results of analyses for samples received by the laboratory on 08/13/25 14:50.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in dark ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 85 @ 0-3" (H255019-01)

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	08/14/2025	ND	1.79	89.6	2.00	1.32	
Toluene*	<0.050	0.050	08/14/2025	ND	1.85	92.7	2.00	1.37	
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.88	94.1	2.00	0.645	
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.72	95.4	6.00	0.851	
Total BTX	<0.300	0.300	08/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	1570	16.0	08/15/2025	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	08/14/2025	ND	198	98.8	200	2.74	
DRO >C10-C28*	14.0	10.0	08/14/2025	ND	176	87.9	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 86 @ 0-3" (H255019-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2025	ND	1.79	89.6	2.00	1.32		
Toluene*	<0.050	0.050	08/14/2025	ND	1.85	92.7	2.00	1.37		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.88	94.1	2.00	0.645		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.72	95.4	6.00	0.851		
Total BTEX	<0.300	0.300	08/14/2025	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	544	16.0	08/15/2025	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	08/14/2025	ND	198	98.8	200	2.74	
DRO >C10-C28*	134	10.0	08/14/2025	ND	176	87.9	200	3.13	
EXT DRO >C28-C36	31.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 91.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.9 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 87 @ 0-3" (H255019-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2025	ND	1.79	89.6	2.00	1.32		
Toluene*	<0.050	0.050	08/14/2025	ND	1.85	92.7	2.00	1.37		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.88	94.1	2.00	0.645		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.72	95.4	6.00	0.851		
Total BTEX	<0.300	0.300	08/14/2025	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	352	16.0	08/15/2025	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	08/14/2025	ND	198	98.8	200	2.74	
DRO >C10-C28*	150	10.0	08/14/2025	ND	176	87.9	200	3.13	
EXT DRO >C28-C36	39.2	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 95.7 % 44.4-145

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 88 @ 0-3" (H255019-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2025	ND	1.79	89.6	2.00	1.32		
Toluene*	<0.050	0.050	08/14/2025	ND	1.85	92.7	2.00	1.37		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.88	94.1	2.00	0.645		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.72	95.4	6.00	0.851		
Total BTEX	<0.300	0.300	08/14/2025	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	976	16.0	08/15/2025	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	08/14/2025	ND	198	98.8	200	2.74	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	176	87.9	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 111 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 89 @ 0-3" (H255019-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2025	ND	1.79	89.6	2.00	1.32	
Toluene*	<0.050	0.050	08/14/2025	ND	1.85	92.7	2.00	1.37	
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.88	94.1	2.00	0.645	
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.72	95.4	6.00	0.851	
Total BTEX	<0.300	0.300	08/14/2025	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	352	16.0	08/15/2025	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	08/14/2025	ND	198	98.8	200	2.74	
DRO >C10-C28*	113	10.0	08/14/2025	ND	176	87.9	200	3.13	
EXT DRO >C28-C36	26.2	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 78.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.2 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 90 @ 0-3" (H255019-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2025	ND	1.79	89.6	2.00	1.32		
Toluene*	<0.050	0.050	08/14/2025	ND	1.85	92.7	2.00	1.37		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.88	94.1	2.00	0.645		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.72	95.4	6.00	0.851		
Total BTEX	<0.300	0.300	08/14/2025	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	2030	16.0	08/15/2025	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	08/14/2025	ND	198	98.8	200	2.74	
DRO >C10-C28*	21.5	10.0	08/14/2025	ND	176	87.9	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 91.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.4 % 40.6-153

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 91 @ 0-3" (H255019-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2025	ND	1.79	89.6	2.00	1.32		
Toluene*	<0.050	0.050	08/14/2025	ND	1.85	92.7	2.00	1.37		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.88	94.1	2.00	0.645		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.72	95.4	6.00	0.851		
Total BTEX	<0.300	0.300	08/14/2025	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	1660	16.0	08/15/2025	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	08/14/2025	ND	198	98.8	200	2.74	
DRO >C10-C28*	11.3	10.0	08/14/2025	ND	176	87.9	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 40.6-153

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Analytical Results For:

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 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 92 @ 0-3" (H255019-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2025	ND	1.79	89.6	2.00	1.32		
Toluene*	<0.050	0.050	08/14/2025	ND	1.85	92.7	2.00	1.37		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.88	94.1	2.00	0.645		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.72	95.4	6.00	0.851		
Total BTEX	<0.300	0.300	08/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	848	16.0	08/15/2025	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	08/14/2025	ND	198	98.8	200	2.74	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	176	87.9	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 93 @ 0-3" (H255019-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2025	ND	1.79	89.6	2.00	1.32		
Toluene*	<0.050	0.050	08/14/2025	ND	1.85	92.7	2.00	1.37		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.88	94.1	2.00	0.645		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.72	95.4	6.00	0.851		
Total BTEX	<0.300	0.300	08/14/2025	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	592	16.0	08/15/2025	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	08/14/2025	ND	198	98.8	200	2.74	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	176	87.9	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 103 % 44.4-145

Surrogate: 1-Chlorooctadecane 109 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 94 @ 0-3" (H255019-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2025	ND	1.79	89.6	2.00	1.32		
Toluene*	<0.050	0.050	08/14/2025	ND	1.85	92.7	2.00	1.37		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.88	94.1	2.00	0.645		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.72	95.4	6.00	0.851		
Total BTEX	<0.300	0.300	08/14/2025	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	912	16.0	08/15/2025	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	08/14/2025	ND	198	98.8	200	2.74	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	176	87.9	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 94.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.6 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 95 @ 0-3" (H255019-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2025	ND	1.79	89.6	2.00	1.32		
Toluene*	<0.050	0.050	08/14/2025	ND	1.85	92.7	2.00	1.37		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.88	94.1	2.00	0.645		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.72	95.4	6.00	0.851		
Total BTEX	<0.300	0.300	08/14/2025	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	4280	16.0	08/15/2025	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	08/14/2025	ND	198	98.8	200	2.74	
DRO >C10-C28*	132	10.0	08/14/2025	ND	176	87.9	200	3.13	
EXT DRO >C28-C36	42.9	10.0	08/14/2025	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



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

Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 96 @ 0-3" (H255019-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2025	ND	1.79	89.6	2.00	1.32		
Toluene*	<0.050	0.050	08/14/2025	ND	1.85	92.7	2.00	1.37		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.88	94.1	2.00	0.645		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.72	95.4	6.00	0.851		
Total BTEX	<0.300	0.300	08/14/2025	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	5200	16.0	08/15/2025	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	08/14/2025	ND	198	98.8	200	2.74	
DRO >C10-C28*	186	10.0	08/14/2025	ND	176	87.9	200	3.13	
EXT DRO >C28-C36	60.7	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 101 % 44.4-145

Surrogate: 1-Chlorooctadecane 96.8 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 97 @ 0-3" (H255019-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2025	ND	1.79	89.6	2.00	1.32		
Toluene*	<0.050	0.050	08/14/2025	ND	1.85	92.7	2.00	1.37		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.88	94.1	2.00	0.645		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.72	95.4	6.00	0.851		
Total BTEX	<0.300	0.300	08/14/2025	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	640	16.0	08/15/2025	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	08/14/2025	ND	198	98.8	200	2.74	
DRO >C10-C28*	15.7	10.0	08/14/2025	ND	176	87.9	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 97.1 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 98 @ 0-3" (H255019-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2025	ND	1.79	89.6	2.00	1.32		
Toluene*	<0.050	0.050	08/14/2025	ND	1.85	92.7	2.00	1.37		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.88	94.1	2.00	0.645		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.72	95.4	6.00	0.851		
Total BTEX	<0.300	0.300	08/14/2025	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	1760	16.0	08/15/2025	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	08/14/2025	ND	198	98.8	200	2.74	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	176	87.9	200	3.13	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 97.4 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 99 @ 0-3" (H255019-15)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/14/2025	ND	1.79	89.6	2.00	1.32	
Toluene*	<0.050	0.050	08/14/2025	ND	1.85	92.7	2.00	1.37	
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.88	94.1	2.00	0.645	
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.72	95.4	6.00	0.851	
Total BTEX	<0.300	0.300	08/14/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	1660	16.0	08/15/2025	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	08/14/2025	ND	203	102	200	0.614	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	198	98.8	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 85.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 85.1 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 100 @ 0-3" (H255019-16)

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	08/14/2025	ND	1.79	89.6	2.00	1.32		
Toluene*	<0.050	0.050	08/14/2025	ND	1.85	92.7	2.00	1.37		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.88	94.1	2.00	0.645		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.72	95.4	6.00	0.851		
Total BTEX	<0.300	0.300	08/14/2025	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	80.0	16.0	08/15/2025	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	08/14/2025	ND	203	102	200	0.614	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	198	98.8	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 101 @ 0-3" (H255019-17)

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	08/14/2025	ND	1.79	89.6	2.00	1.32		
Toluene*	<0.050	0.050	08/14/2025	ND	1.85	92.7	2.00	1.37		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.88	94.1	2.00	0.645		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.72	95.4	6.00	0.851		
Total BTEX	<0.300	0.300	08/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	08/15/2025	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	08/14/2025	ND	203	102	200	0.614	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	198	98.8	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 102 @ 0-3" (H255019-18)

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	08/14/2025	ND	1.79	89.6	2.00	1.32		
Toluene*	<0.050	0.050	08/14/2025	ND	1.85	92.7	2.00	1.37		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.88	94.1	2.00	0.645		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.72	95.4	6.00	0.851		
Total BTEX	<0.300	0.300	08/14/2025	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	160	16.0	08/15/2025	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	08/14/2025	ND	203	102	200	0.614	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	198	98.8	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 122 % 44.4-145

Surrogate: 1-Chlorooctadecane 126 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 103 @ 0-3" (H255019-19)

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	08/14/2025	ND	1.79	89.6	2.00	1.32		
Toluene*	<0.050	0.050	08/14/2025	ND	1.85	92.7	2.00	1.37		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.88	94.1	2.00	0.645		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.72	95.4	6.00	0.851		
Total BTEX	<0.300	0.300	08/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	160	16.0	08/15/2025	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	08/14/2025	ND	203	102	200	0.614	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	198	98.8	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 104 @ 0-3" (H255019-20)

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	08/14/2025	ND	1.79	89.6	2.00	1.32		
Toluene*	<0.050	0.050	08/14/2025	ND	1.85	92.7	2.00	1.37		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.88	94.1	2.00	0.645		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.72	95.4	6.00	0.851		
Total BTEX	<0.300	0.300	08/14/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/14/2025	ND	464	116	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	203	102	200	0.614	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	198	98.8	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 80.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.8 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 105 @ 0-3" (H255019-21)

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	08/14/2025	ND	1.88	94.0	2.00	2.91	
Toluene*	<0.050	0.050	08/14/2025	ND	1.92	96.1	2.00	2.11	
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.90	95.2	2.00	1.19	
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.92	98.7	6.00	1.23	
Total BTEX	<0.300	0.300	08/14/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4200	16.0	08/14/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	203	102	200	0.614	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	198	98.8	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 98.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 98.3 % 40.6-153

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

Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 106 @ 0-3" (H255019-22)

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	08/14/2025	ND	1.88	94.0	2.00	2.91		
Toluene*	<0.050	0.050	08/14/2025	ND	1.92	96.1	2.00	2.11		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.90	95.2	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.92	98.7	6.00	1.23		
Total BTEX	<0.300	0.300	08/14/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4720	16.0	08/14/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	203	102	200	0.614	
DRO >C10-C28*	13.4	10.0	08/14/2025	ND	198	98.8	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 129 % 44.4-145

Surrogate: 1-Chlorooctadecane 129 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 107 @ 0-3" (H255019-23)

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	08/14/2025	ND	1.88	94.0	2.00	2.91		
Toluene*	<0.050	0.050	08/14/2025	ND	1.92	96.1	2.00	2.11		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.90	95.2	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.92	98.7	6.00	1.23		
Total BTEX	<0.300	0.300	08/14/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7120	16.0	08/14/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	203	102	200	0.614	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	198	98.8	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 112 % 44.4-145

Surrogate: 1-Chlorooctadecane 111 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 108 @ 0-3" (H255019-24)

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	08/14/2025	ND	1.88	94.0	2.00	2.91		
Toluene*	<0.050	0.050	08/14/2025	ND	1.92	96.1	2.00	2.11		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.90	95.2	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.92	98.7	6.00	1.23		
Total BTEX	<0.300	0.300	08/14/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2960	16.0	08/14/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	203	102	200	0.614	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	198	98.8	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 111 % 44.4-145

Surrogate: 1-Chlorooctadecane 112 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 109 @ 0-3" (H255019-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2025	ND	1.88	94.0	2.00	2.91		
Toluene*	<0.050	0.050	08/14/2025	ND	1.92	96.1	2.00	2.11		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.90	95.2	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.92	98.7	6.00	1.23		
Total BTEX	<0.300	0.300	08/14/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1010	16.0	08/14/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	203	102	200	0.614	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	198	98.8	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 98.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 110 @ 0-3" (H255019-26)

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	08/14/2025	ND	1.88	94.0	2.00	2.91		
Toluene*	<0.050	0.050	08/14/2025	ND	1.92	96.1	2.00	2.11		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.90	95.2	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.92	98.7	6.00	1.23		
Total BTEX	<0.300	0.300	08/14/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4880	16.0	08/14/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	203	102	200	0.614	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	198	98.8	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 102 % 44.4-145

Surrogate: 1-Chlorooctadecane 102 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 111 @ 0-3" (H255019-27)

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	08/14/2025	ND	1.88	94.0	2.00	2.91		
Toluene*	<0.050	0.050	08/14/2025	ND	1.92	96.1	2.00	2.11		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.90	95.2	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.92	98.7	6.00	1.23		
Total BTEX	<0.300	0.300	08/14/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2920	16.0	08/14/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	203	102	200	0.614	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	198	98.8	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 92.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 91.4 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 112 @ 0-3" (H255019-28)

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	08/14/2025	ND	1.88	94.0	2.00	2.91		
Toluene*	<0.050	0.050	08/14/2025	ND	1.92	96.1	2.00	2.11		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.90	95.2	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.92	98.7	6.00	1.23		
Total BTEX	<0.300	0.300	08/14/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2280	16.0	08/14/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	203	102	200	0.614	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	198	98.8	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 94.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.9 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 113 @ 0-3" (H255019-29)

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	08/14/2025	ND	1.88	94.0	2.00	2.91		
Toluene*	<0.050	0.050	08/14/2025	ND	1.92	96.1	2.00	2.11		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.90	95.2	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.92	98.7	6.00	1.23		
Total BTX	<0.300	0.300	08/14/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2080	16.0	08/14/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	203	102	200	0.614	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	198	98.8	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 114 @ 0-3" (H255019-30)

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	08/14/2025	ND	1.88	94.0	2.00	2.91		
Toluene*	<0.050	0.050	08/14/2025	ND	1.92	96.1	2.00	2.11		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.90	95.2	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.92	98.7	6.00	1.23		
Total BTEx	<0.300	0.300	08/14/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1760	16.0	08/14/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	203	102	200	0.614	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	198	98.8	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 115 % 44.4-145

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 115 @ 0-3" (H255019-31)

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	08/14/2025	ND	1.88	94.0	2.00	2.91		
Toluene*	<0.050	0.050	08/14/2025	ND	1.92	96.1	2.00	2.11		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.90	95.2	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.92	98.7	6.00	1.23		
Total BTEX	<0.300	0.300	08/14/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1140	16.0	08/14/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	203	102	200	0.614	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	198	98.8	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 116 @ 0-3" (H255019-32)

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	08/14/2025	ND	1.88	94.0	2.00	2.91		
Toluene*	<0.050	0.050	08/14/2025	ND	1.92	96.1	2.00	2.11		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.90	95.2	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.92	98.7	6.00	1.23		
Total BTEX	<0.300	0.300	08/14/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4080	16.0	08/14/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	203	102	200	0.614	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	198	98.8	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 115 % 44.4-145

Surrogate: 1-Chlorooctadecane 116 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 117 @ 0-3" (H255019-33)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/14/2025	ND	1.88	94.0	2.00	2.91		
Toluene*	<0.050	0.050	08/14/2025	ND	1.92	96.1	2.00	2.11		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.90	95.2	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.92	98.7	6.00	1.23		
Total BTEX	<0.300	0.300	08/14/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3000	16.0	08/14/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	203	102	200	0.614	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	198	98.8	200	0.452	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 117 % 44.4-145

Surrogate: 1-Chlorooctadecane 117 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 118 @ 0-3" (H255019-34)

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	08/14/2025	ND	1.88	94.0	2.00	2.91	
Toluene*	<0.050	0.050	08/14/2025	ND	1.92	96.1	2.00	2.11	
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.90	95.2	2.00	1.19	
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.92	98.7	6.00	1.23	
Total BTEX	<0.300	0.300	08/14/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9360	16.0	08/14/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2025	ND	203	102	200	0.614	
DRO >C10-C28*	49.6	10.0	08/15/2025	ND	198	98.8	200	0.452	
EXT DRO >C28-C36	12.7	10.0	08/15/2025	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



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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 119 @ 0-3" (H255019-35)

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	08/14/2025	ND	1.88	94.0	2.00	2.91		
Toluene*	<0.050	0.050	08/14/2025	ND	1.92	96.1	2.00	2.11		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.90	95.2	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.92	98.7	6.00	1.23		
Total BTX	<0.300	0.300	08/14/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1650	16.0	08/14/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	207	103	200	1.79	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	185	92.5	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 104 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 120 @ 0-3" (H255019-36)

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	08/14/2025	ND	1.88	94.0	2.00	2.91		
Toluene*	<0.050	0.050	08/14/2025	ND	1.92	96.1	2.00	2.11		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.90	95.2	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.92	98.7	6.00	1.23		
Total BTEX	<0.300	0.300	08/14/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3520	16.0	08/14/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	207	103	200	1.79	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	185	92.5	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 121 @ 0-3" (H255019-37)

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	08/14/2025	ND	1.88	94.0	2.00	2.91		
Toluene*	<0.050	0.050	08/14/2025	ND	1.92	96.1	2.00	2.11		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.90	95.2	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.92	98.7	6.00	1.23		
Total BTEX	<0.300	0.300	08/14/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1410	16.0	08/14/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	207	103	200	1.79	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	185	92.5	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 100 % 44.4-145

Surrogate: 1-Chlorooctadecane 104 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 122 @ 0-3" (H255019-38)

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	08/14/2025	ND	1.88	94.0	2.00	2.91		
Toluene*	<0.050	0.050	08/14/2025	ND	1.92	96.1	2.00	2.11		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.90	95.2	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.92	98.7	6.00	1.23		
Total BTEX	<0.300	0.300	08/14/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4160	16.0	08/14/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	207	103	200	1.79	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	185	92.5	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 116 % 44.4-145

Surrogate: 1-Chlorooctadecane 113 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 123 @ 0-3" (H255019-39)

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	08/14/2025	ND	1.88	94.0	2.00	2.91		
Toluene*	<0.050	0.050	08/14/2025	ND	1.92	96.1	2.00	2.11		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.90	95.2	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.92	98.7	6.00	1.23		
Total BTEX	<0.300	0.300	08/14/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2920	16.0	08/14/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/14/2025	ND	207	103	200	1.79	
DRO >C10-C28*	<10.0	10.0	08/14/2025	ND	185	92.5	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/14/2025	ND					

Surrogate: 1-Chlorooctane 110 % 44.4-145

Surrogate: 1-Chlorooctadecane 106 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 124 @ 0-3" (H255019-40)

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	08/14/2025	ND	1.88	94.0	2.00	2.91		
Toluene*	<0.050	0.050	08/14/2025	ND	1.92	96.1	2.00	2.11		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	1.90	95.2	2.00	1.19		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	5.92	98.7	6.00	1.23		
Total BTEX	<0.300	0.300	08/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	1970	16.0	08/15/2025	ND	432	108	400	0.00	QR-03	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/15/2025	ND	207	103	200	1.79	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	185	92.5	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 116 % 44.4-145

Surrogate: 1-Chlorooctadecane 112 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 125 @ 0-3" (H255019-41)

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	08/14/2025	ND	1.94	96.8	2.00	1.06		
Toluene*	<0.050	0.050	08/14/2025	ND	2.06	103	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	2.12	106	2.00	3.02		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	6.72	112	6.00	2.87		
Total BTEX	<0.300	0.300	08/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	2030	16.0	08/15/2025	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	08/15/2025	ND	207	103	200	1.79	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	185	92.5	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 115 % 44.4-145

Surrogate: 1-Chlorooctadecane 112 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 126 @ 0-3" (H255019-42)

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	08/14/2025	ND	1.94	96.8	2.00	1.06	
Toluene*	<0.050	0.050	08/14/2025	ND	2.06	103	2.00	2.91	
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	2.12	106	2.00	3.02	
Total Xylenes*	<0.150	0.150	08/14/2025	ND	6.72	112	6.00	2.87	
Total BTEX	<0.300	0.300	08/14/2025	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	1360	16.0	08/15/2025	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	08/15/2025	ND	207	103	200	1.79	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	185	92.5	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 111 % 44.4-145

Surrogate: 1-Chlorooctadecane 113 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 127 @ 0-3" (H255019-43)

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	08/14/2025	ND	1.94	96.8	2.00	1.06		
Toluene*	<0.050	0.050	08/14/2025	ND	2.06	103	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	2.12	106	2.00	3.02		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	6.72	112	6.00	2.87		
Total BTEX	<0.300	0.300	08/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	1580	16.0	08/15/2025	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	08/15/2025	ND	207	103	200	1.79	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	185	92.5	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 107 % 44.4-145

Surrogate: 1-Chlorooctadecane 108 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 128 @ 0-3" (H255019-44)

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	08/14/2025	ND	1.94	96.8	2.00	1.06		
Toluene*	<0.050	0.050	08/14/2025	ND	2.06	103	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	2.12	106	2.00	3.02		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	6.72	112	6.00	2.87		
Total BTEX	<0.300	0.300	08/14/2025	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	3760	16.0	08/15/2025	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	08/15/2025	ND	207	103	200	1.79	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	185	92.5	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 117 % 44.4-145

Surrogate: 1-Chlorooctadecane 113 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 129 @ 0-3" (H255019-45)

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	08/14/2025	ND	1.94	96.8	2.00	1.06		
Toluene*	<0.050	0.050	08/14/2025	ND	2.06	103	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	2.12	106	2.00	3.02		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	6.72	112	6.00	2.87		
Total BTEX	<0.300	0.300	08/14/2025	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	3040	16.0	08/15/2025	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	08/15/2025	ND	207	103	200	1.79	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	185	92.5	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 93.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 90.2 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 130 @ 0-3" (H255019-46)

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	08/14/2025	ND	1.94	96.8	2.00	1.06		
Toluene*	<0.050	0.050	08/14/2025	ND	2.06	103	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	2.12	106	2.00	3.02		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	6.72	112	6.00	2.87		
Total BTEX	<0.300	0.300	08/14/2025	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	10100	16.0	08/15/2025	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	08/15/2025	ND	207	103	200	1.79	
DRO >C10-C28*	65.8	10.0	08/15/2025	ND	185	92.5	200	3.19	
EXT DRO >C28-C36	15.3	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 104 % 44.4-145

Surrogate: 1-Chlorooctadecane 105 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 131 @ 0-3" (H255019-47)

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	08/14/2025	ND	1.94	96.8	2.00	1.06		
Toluene*	<0.050	0.050	08/14/2025	ND	2.06	103	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	2.12	106	2.00	3.02		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	6.72	112	6.00	2.87		
Total BTEX	<0.300	0.300	08/14/2025	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	1380	16.0	08/15/2025	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	08/15/2025	ND	207	103	200	1.79	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	185	92.5	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 106 % 44.4-145

Surrogate: 1-Chlorooctadecane 103 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 132 @ 0-3" (H255019-48)

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	08/14/2025	ND	1.94	96.8	2.00	1.06		
Toluene*	<0.050	0.050	08/14/2025	ND	2.06	103	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	2.12	106	2.00	3.02		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	6.72	112	6.00	2.87		
Total BTEX	<0.300	0.300	08/14/2025	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	1730	16.0	08/15/2025	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	08/15/2025	ND	207	103	200	1.79	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	185	92.5	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 115 % 44.4-145

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 133 @ 0-3" (H255019-49)

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	08/14/2025	ND	1.94	96.8	2.00	1.06		
Toluene*	<0.050	0.050	08/14/2025	ND	2.06	103	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	2.12	106	2.00	3.02		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	6.72	112	6.00	2.87		
Total BTEX	<0.300	0.300	08/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	5920	16.0	08/15/2025	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	08/15/2025	ND	207	103	200	1.79	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	185	92.5	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 89.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 88.4 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 134 @ 0-3" (H255019-50)

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	08/14/2025	ND	1.94	96.8	2.00	1.06		
Toluene*	<0.050	0.050	08/14/2025	ND	2.06	103	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	2.12	106	2.00	3.02		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	6.72	112	6.00	2.87		
Total BTEX	<0.300	0.300	08/14/2025	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	6480	16.0	08/15/2025	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	08/15/2025	ND	207	103	200	1.79	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	185	92.5	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 117 % 44.4-145

Surrogate: 1-Chlorooctadecane 114 % 40.6-153

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

Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 135 @ 0-3" (H255019-51)

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	08/14/2025	ND	1.94	96.8	2.00	1.06		
Toluene*	<0.050	0.050	08/14/2025	ND	2.06	103	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	2.12	106	2.00	3.02		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	6.72	112	6.00	2.87		
Total BTEX	<0.300	0.300	08/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	2190	16.0	08/15/2025	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	08/15/2025	ND	207	103	200	1.79	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	185	92.5	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 120 % 44.4-145

Surrogate: 1-Chlorooctadecane 116 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 136 @ 0-3" (H255019-52)

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	08/14/2025	ND	1.94	96.8	2.00	1.06		
Toluene*	<0.050	0.050	08/14/2025	ND	2.06	103	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	2.12	106	2.00	3.02		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	6.72	112	6.00	2.87		
Total BTEX	<0.300	0.300	08/14/2025	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	2240	16.0	08/15/2025	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	08/15/2025	ND	207	103	200	1.79	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	185	92.5	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 117 % 44.4-145

Surrogate: 1-Chlorooctadecane 113 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 137 @ 0-3" (H255019-53)

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	08/14/2025	ND	1.94	96.8	2.00	1.06		
Toluene*	<0.050	0.050	08/14/2025	ND	2.06	103	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	2.12	106	2.00	3.02		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	6.72	112	6.00	2.87		
Total BTEX	<0.300	0.300	08/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	1730	16.0	08/15/2025	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	08/15/2025	ND	207	103	200	1.79	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	185	92.5	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 120 % 44.4-145

Surrogate: 1-Chlorooctadecane 116 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 138 @ 0-3" (H255019-54)

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	08/14/2025	ND	1.94	96.8	2.00	1.06		
Toluene*	<0.050	0.050	08/14/2025	ND	2.06	103	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	2.12	106	2.00	3.02		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	6.72	112	6.00	2.87		
Total BTEX	<0.300	0.300	08/14/2025	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	6480	16.0	08/15/2025	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	08/15/2025	ND	207	103	200	1.79	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	185	92.5	200	3.19	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 114 % 44.4-145

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 139 @ 0-3" (H255019-55)

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	08/14/2025	ND	1.94	96.8	2.00	1.06		
Toluene*	<0.050	0.050	08/14/2025	ND	2.06	103	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	2.12	106	2.00	3.02		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	6.72	112	6.00	2.87		
Total BTEX	<0.300	0.300	08/14/2025	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	2120	16.0	08/15/2025	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	08/15/2025	ND	206	103	200	1.87	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	186	92.8	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 75.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.4 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 140 @ 0-3" (H255019-56)

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	08/14/2025	ND	1.94	96.8	2.00	1.06		
Toluene*	<0.050	0.050	08/14/2025	ND	2.06	103	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	2.12	106	2.00	3.02		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	6.72	112	6.00	2.87		
Total BTEX	<0.300	0.300	08/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	1220	16.0	08/15/2025	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	08/15/2025	ND	206	103	200	1.87	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	186	92.8	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 81.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.7 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 141 @ 0-3" (H255019-57)

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	08/14/2025	ND	1.94	96.8	2.00	1.06		
Toluene*	<0.050	0.050	08/14/2025	ND	2.06	103	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	2.12	106	2.00	3.02		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	6.72	112	6.00	2.87		
Total BTEX	<0.300	0.300	08/14/2025	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	2240	16.0	08/15/2025	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	08/15/2025	ND	206	103	200	1.87	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	186	92.8	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 79.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.4 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 142 @ 0-3" (H255019-58)

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	08/14/2025	ND	1.94	96.8	2.00	1.06		
Toluene*	<0.050	0.050	08/14/2025	ND	2.06	103	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	2.12	106	2.00	3.02		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	6.72	112	6.00	2.87		
Total BTEx	<0.300	0.300	08/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	4040	16.0	08/15/2025	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	08/15/2025	ND	206	103	200	1.87	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	186	92.8	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 83.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.0 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 143 @ 0-3" (H255019-59)

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	08/14/2025	ND	1.94	96.8	2.00	1.06		
Toluene*	<0.050	0.050	08/14/2025	ND	2.06	103	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	2.12	106	2.00	3.02		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	6.72	112	6.00	2.87		
Total BTEX	<0.300	0.300	08/14/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	1020	16.0	08/15/2025	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	08/15/2025	ND	206	103	200	1.87	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	186	92.8	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 87.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.3 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 144 @ 0-3" (H255019-60)

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	08/14/2025	ND	1.94	96.8	2.00	1.06		
Toluene*	<0.050	0.050	08/14/2025	ND	2.06	103	2.00	2.91		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	2.12	106	2.00	3.02		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	6.72	112	6.00	2.87		
Total BTEx	<0.300	0.300	08/14/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3080	16.0	08/14/2025	ND	416	104	400	3.77	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	08/15/2025	ND	206	103	200	1.87	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	186	92.8	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 86.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.7 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 145 @ 0-3" (H255019-61)

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	08/14/2025	ND	1.95	97.7	2.00	15.4		
Toluene*	<0.050	0.050	08/14/2025	ND	2.05	102	2.00	13.9		
Ethylbenzene*	<0.050	0.050	08/14/2025	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/14/2025	ND	6.36	106	6.00	13.2		
Total BTEX	<0.300	0.300	08/14/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2400	16.0	08/14/2025	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	08/15/2025	ND	206	103	200	1.87	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	186	92.8	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 91.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.8 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 146 @ 0-3" (H255019-62)

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	08/15/2025	ND	1.95	97.7	2.00	15.4		
Toluene*	<0.050	0.050	08/15/2025	ND	2.05	102	2.00	13.9		
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/15/2025	ND	6.36	106	6.00	13.2		
Total BTEX	<0.300	0.300	08/15/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1280	16.0	08/14/2025	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	08/15/2025	ND	206	103	200	1.87	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	186	92.8	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 85.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.9 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 147 @ 0-3" (H255019-63)

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	08/15/2025	ND	1.95	97.7	2.00	15.4		
Toluene*	<0.050	0.050	08/15/2025	ND	2.05	102	2.00	13.9		
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/15/2025	ND	6.36	106	6.00	13.2		
Total BTEX	<0.300	0.300	08/15/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1790	16.0	08/14/2025	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	08/15/2025	ND	206	103	200	1.87	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	186	92.8	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 79.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.3 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 148 @ 0-3" (H255019-64)

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	08/15/2025	ND	1.95	97.7	2.00	15.4		
Toluene*	<0.050	0.050	08/15/2025	ND	2.05	102	2.00	13.9		
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/15/2025	ND	6.36	106	6.00	13.2		
Total BTX	<0.300	0.300	08/15/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	848	16.0	08/14/2025	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	08/15/2025	ND	206	103	200	1.87	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	186	92.8	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 79.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.5 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 149 @ 0-3" (H255019-65)

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	08/15/2025	ND	1.95	97.7	2.00	15.4		
Toluene*	<0.050	0.050	08/15/2025	ND	2.05	102	2.00	13.9		
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/15/2025	ND	6.36	106	6.00	13.2		
Total BTEX	<0.300	0.300	08/15/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1140	16.0	08/14/2025	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	08/15/2025	ND	206	103	200	1.87	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	186	92.8	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 82.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.4 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 150 @ 0-3" (H255019-66)

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	08/15/2025	ND	1.95	97.7	2.00	15.4		
Toluene*	<0.050	0.050	08/15/2025	ND	2.05	102	2.00	13.9		
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/15/2025	ND	6.36	106	6.00	13.2		
Total BTEX	<0.300	0.300	08/15/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	08/14/2025	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	08/15/2025	ND	206	103	200	1.87	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	186	92.8	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 83.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.9 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 151 @ 0-3" (H255019-67)

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	08/15/2025	ND	1.95	97.7	2.00	15.4		
Toluene*	<0.050	0.050	08/15/2025	ND	2.05	102	2.00	13.9		
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/15/2025	ND	6.36	106	6.00	13.2		
Total BTEX	<0.300	0.300	08/15/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	976	16.0	08/14/2025	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	08/15/2025	ND	206	103	200	1.87	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	186	92.8	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 86.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.5 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 1 (H255019-68)

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	08/15/2025	ND	1.95	97.7	2.00	15.4		
Toluene*	<0.050	0.050	08/15/2025	ND	2.05	102	2.00	13.9		
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/15/2025	ND	6.36	106	6.00	13.2		
Total BTEx	<0.300	0.300	08/15/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/14/2025	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	08/15/2025	ND	206	103	200	1.87	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	186	92.8	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 81.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.2 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 2 (H255019-69)

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	08/15/2025	ND	1.95	97.7	2.00	15.4		
Toluene*	<0.050	0.050	08/15/2025	ND	2.05	102	2.00	13.9		
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/15/2025	ND	6.36	106	6.00	13.2		
Total BTEx	<0.300	0.300	08/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/14/2025	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	08/15/2025	ND	206	103	200	1.87	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	186	92.8	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 78.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.7 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 3 (H255019-70)

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	08/15/2025	ND	1.95	97.7	2.00	15.4		
Toluene*	<0.050	0.050	08/15/2025	ND	2.05	102	2.00	13.9		
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/15/2025	ND	6.36	106	6.00	13.2		
Total BTEX	<0.300	0.300	08/15/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/14/2025	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	08/15/2025	ND	206	103	200	1.87	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	186	92.8	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 82.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.1 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NW 4 (H255019-71)

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	08/15/2025	ND	1.95	97.7	2.00	15.4		
Toluene*	<0.050	0.050	08/15/2025	ND	2.05	102	2.00	13.9		
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/15/2025	ND	6.36	106	6.00	13.2		
Total BTX	<0.300	0.300	08/15/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/14/2025	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	08/15/2025	ND	206	103	200	1.87	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	186	92.8	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 77.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.2 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 1 (H255019-72)

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	08/15/2025	ND	1.95	97.7	2.00	15.4		
Toluene*	<0.050	0.050	08/15/2025	ND	2.05	102	2.00	13.9		
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/15/2025	ND	6.36	106	6.00	13.2		
Total BTX	<0.300	0.300	08/15/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/14/2025	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	08/15/2025	ND	206	103	200	1.87	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	186	92.8	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 78.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.5 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 2 (H255019-73)

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	08/15/2025	ND	1.95	97.7	2.00	15.4		
Toluene*	<0.050	0.050	08/15/2025	ND	2.05	102	2.00	13.9		
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/15/2025	ND	6.36	106	6.00	13.2		
Total BTEX	<0.300	0.300	08/15/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/14/2025	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	08/15/2025	ND	206	103	200	1.87	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	186	92.8	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 88.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.8 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 3 (H255019-74)

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	08/15/2025	ND	1.95	97.7	2.00	15.4		
Toluene*	<0.050	0.050	08/15/2025	ND	2.05	102	2.00	13.9		
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/15/2025	ND	6.36	106	6.00	13.2		
Total BTX	<0.300	0.300	08/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/14/2025	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	08/15/2025	ND	206	103	200	1.87	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	186	92.8	200	1.74	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 79.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.7 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 4 (H255019-75)

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	08/15/2025	ND	1.95	97.7	2.00	15.4		
Toluene*	<0.050	0.050	08/15/2025	ND	2.05	102	2.00	13.9		
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/15/2025	ND	6.36	106	6.00	13.2		
Total BTEX	<0.300	0.300	08/15/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/14/2025	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	08/15/2025	ND	202	101	200	8.72	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	187	93.3	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 73.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.2 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EW 5 (H255019-76)

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	08/15/2025	ND	1.95	97.7	2.00	15.4		
Toluene*	<0.050	0.050	08/15/2025	ND	2.05	102	2.00	13.9		
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/15/2025	ND	6.36	106	6.00	13.2		
Total BTX	<0.300	0.300	08/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/14/2025	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	08/15/2025	ND	202	101	200	8.72	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	187	93.3	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 68.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.5 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 1 (H255019-77)

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	08/15/2025	ND	1.95	97.7	2.00	15.4		
Toluene*	<0.050	0.050	08/15/2025	ND	2.05	102	2.00	13.9		
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/15/2025	ND	6.36	106	6.00	13.2		
Total BTEX	<0.300	0.300	08/15/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/14/2025	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	08/15/2025	ND	202	101	200	8.72	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	187	93.3	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 69.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.6 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 2 (H255019-78)

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	08/15/2025	ND	1.95	97.7	2.00	15.4		
Toluene*	<0.050	0.050	08/15/2025	ND	2.05	102	2.00	13.9		
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/15/2025	ND	6.36	106	6.00	13.2		
Total BTEX	<0.300	0.300	08/15/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/14/2025	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	08/15/2025	ND	202	101	200	8.72	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	187	93.3	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 64.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.7 % 40.6-153

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Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 3 (H255019-79)

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	08/15/2025	ND	1.95	97.7	2.00	15.4		
Toluene*	<0.050	0.050	08/15/2025	ND	2.05	102	2.00	13.9		
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.06	103	2.00	13.0		
Total Xylenes*	<0.150	0.150	08/15/2025	ND	6.36	106	6.00	13.2		
Total BTEX	<0.300	0.300	08/15/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/14/2025	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	08/15/2025	ND	202	101	200	8.72	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	187	93.3	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 69.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.5 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW 4 (H255019-80)

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	08/15/2025	ND	1.95	97.7	2.00	15.4	
Toluene*	<0.050	0.050	08/15/2025	ND	2.05	102	2.00	13.9	
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.06	103	2.00	13.0	
Total Xylenes*	<0.150	0.150	08/15/2025	ND	6.36	106	6.00	13.2	
Total BTX	<0.300	0.300	08/15/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	<16.0	16.0	08/18/2025	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	08/15/2025	ND	202	101	200	8.72	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	187	93.3	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 68.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.8 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 1 (H255019-81)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2025	ND	1.94	97.1	2.00	14.0		
Toluene*	<0.050	0.050	08/15/2025	ND	2.12	106	2.00	15.7		
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.21	111	2.00	14.8		
Total Xylenes*	<0.150	0.150	08/15/2025	ND	7.09	118	6.00	14.2		
Total BTEX	<0.300	0.300	08/15/2025	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	<16.0	16.0	08/18/2025	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	08/15/2025	ND	202	101	200	8.72	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	187	93.3	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 69.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.3 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 2 (H255019-82)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2025	ND	1.94	97.1	2.00	14.0		
Toluene*	<0.050	0.050	08/15/2025	ND	2.12	106	2.00	15.7		
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.21	111	2.00	14.8		
Total Xylenes*	<0.150	0.150	08/15/2025	ND	7.09	118	6.00	14.2		
Total BTEx	<0.300	0.300	08/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	<16.0	16.0	08/18/2025	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	08/15/2025	ND	202	101	200	8.72	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	187	93.3	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 67.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.4 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 3 (H255019-83)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2025	ND	1.94	97.1	2.00	14.0		
Toluene*	<0.050	0.050	08/15/2025	ND	2.12	106	2.00	15.7		
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.21	111	2.00	14.8		
Total Xylenes*	<0.150	0.150	08/15/2025	ND	7.09	118	6.00	14.2		
Total BTEX	<0.300	0.300	08/15/2025	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	<16.0	16.0	08/18/2025	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	08/15/2025	ND	202	101	200	8.72	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	187	93.3	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 67.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 66.6 % 40.6-153

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

Analytical Results For:

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

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 4 (H255019-84)

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	08/15/2025	ND	1.94	97.1	2.00	14.0		
Toluene*	<0.050	0.050	08/15/2025	ND	2.12	106	2.00	15.7		
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.21	111	2.00	14.8		
Total Xylenes*	<0.150	0.150	08/15/2025	ND	7.09	118	6.00	14.2		
Total BTX	<0.300	0.300	08/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	<16.0	16.0	08/18/2025	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	08/15/2025	ND	202	101	200	8.72	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	187	93.3	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 63.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 62.6 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/13/2025
 Reported: 08/19/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.052347-103.676651

Sampling Date: 08/12/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WW 5 (H255019-85)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/15/2025	ND	1.94	97.1	2.00	14.0		
Toluene*	<0.050	0.050	08/15/2025	ND	2.12	106	2.00	15.7		
Ethylbenzene*	<0.050	0.050	08/15/2025	ND	2.21	111	2.00	14.8		
Total Xylenes*	<0.150	0.150	08/15/2025	ND	7.09	118	6.00	14.2		
Total BTEx	<0.300	0.300	08/15/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	<16.0	16.0	08/18/2025	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	08/15/2025	ND	202	101	200	8.72	
DRO >C10-C28*	<10.0	10.0	08/15/2025	ND	187	93.3	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	08/15/2025	ND					

Surrogate: 1-Chlorooctane 67.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.8 % 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 cursive script, 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 9

[illegible]

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Relinquished By: <i>Matt Hu</i>		Date: <i>8-13-25</i>	Received By: <i>Jamara Adams</i>	Verbal Result: ☐ Yes ☐ No ☒ Add'l Phone #:
		Time: <i>1450</i>		All Results are emailed. Please provide Email address: pm@etechenv.com
Relinquished By:		Date:	Received By:	REMARKS:
		Time:		
Delivered By: (Circle One)	Observed Temp. °C <i>-6.0</i>	Sample Condition	CHECKED BY: (Initials)	Turnaround Time: Standard ☒ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C <i>-5.7</i>	☒ Cool ☒ Intact ☐ Yes ☐ No ☐ Yes ☐ No	<i>JD</i>	Thermometer ID #140 Correction Factor <i>-0.3</i>
				Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ No ☐ Yes ☐ No Corrected Temp. °C

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Page 2 of 9

[illegible]

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Relinquished By: <i>Matt</i>		Date: <i>8-13-25</i>	Received By: <i>Kimara</i>	Verbal Result: ☐ Yes ☐ No ☒ Add'l Phone #:
		Time: <i>1450</i>		All Results are emailed. Please provide Email address: pm@etechenv.com
Relinquished By:		Date:	Received By:	REMARKS:
		Time:		
Delivered By: (Circle One)	Observed Temp. °C <i>-6.0</i>	Sample Condition	CHECKED BY: (Initials) <i>TO</i>	Turnaround Time: Standard ☒ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C <i>-5.7</i>	☐ Cool ☒ Intact ☐ Yes ☒ No ☐ Yes ☒ No		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☒ No ☐ Yes ☒ 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
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 3 of 9

Page 90 of 96

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST											
Project Manager: Lance Crenshaw				P.O. #:				Chloride	TPH (8015M)	BTEX (8021B)									
Address: 2617 West Marland				Company: Mewbourne Oil Company															
City: Hobbs State: NM Zip: 88240				Attn: Connor Walker															
Phone #: (575) 264-9884 Fax #:				Address:															
Project #: 22714 Project Owner: Mewbourne Oil Company				City:															
Project Name: Red Hills West Unit 27				State: Zip:															
Project Location: 32.052347, -103.676651				Phone #:															
Sampler Name: Martin Sepulveda				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					
4255019																			
21	FL 105 @ 0-3"	C	1			X				X			8/12/25		X	X	X		
22	FL 106 @ 0-3"	C	1			X				X			8/12/25		X	X	X		
23	FL 107 @ 0-3"	C	1			X				X			8/12/25		X	X	X		
24	FL 108 @ 0-3"	C	1			X				X			8/12/25		X	X	X		
25	FL 109 @ 0-3"	C	1			X				X			8/12/25		X	X	X		
26	FL 110 @ 0-3"	C	1			X				X			8/12/25		X	X	X		
27	FL 111 @ 0-3"	C	1			X				X			8/12/25		X	X	X		
28	FL 112 @ 0-3"	C	1			X				X			8/12/25		X	X	X		
29	FL 113 @ 0-3"	C	1			X				X			8/12/25		X	X	X		
30	FL 114 @ 0-3"	C	1			X				X			8/12/25		X	X	X		

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Relinquished By: <i>Matt</i>		Date: <i>8-13-25</i>	Received By: <i>Tamara Eldridge</i>	Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #: All Results are emailed. Please provide Email address: pm@etechenv.com
Time: <i>1450</i>				
Relinquished By:		Date:	Received By:	REMARKS:
		Time:		
Delivered By: (Circle One)	Observed Temp. °C <i>-6.0</i>	Sample Condition	CHECKED BY: (Initials) <i>TE</i>	Turnaround Time: Standard ☒ Rush ☐
Sampler - UPS - Bus - Other:	Corrected Temp. °C <i>-5.7</i>	☒ Cool ☒ Intact ☐ Yes ☐ Yes ☐ No ☐ No		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ Yes ☐ No ☐ No Corrected Temp. °C
			Thermometer ID #140 Correction Factor <i>-0.6°C</i> <i>+0.3°C</i>	

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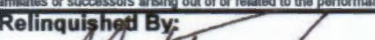
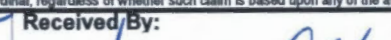
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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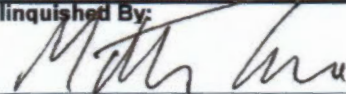
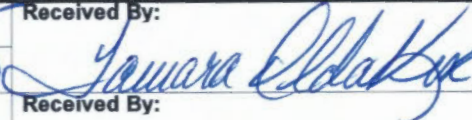
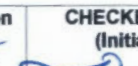
[illegible]

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Relinquished By: 		Date: 8-13-25 Time: 1450		Received By: 		Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #: All Results are emailed. Please provide Email address: pm@etechnv.com	
Relinquished By:		Date: Time:		Received By:		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: -6.0 Corrected Temp. °C: -5.7		Sample Condition: Cool Intact ☐ Yes ☐ No ☒ Yes ☐ No		CHECKED BY: (Initials) 	
				Turnaround Time: Standard ☒ Rush ☐		Bacteria (only) Sample Condition: Cool Intact Observed Temp. °C ☐ Yes ☐ No ☐ Yes ☐ No	
				Thermometer ID #140 Correction Factor -0.6°C +0.3°C		Corrected Temp. °C	

101 East Marland, Hobbs, NM 88240
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Page 5 of 9

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																																							
Project Manager: Lance Crenshaw				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																																							
Address: 2617 West Marland				Company: Mewbourne Oil Company																																											
City: Hobbs State: NM Zip: 88240				Attn: Connor Walker																																											
Phone #: (575) 264-9884 Fax #:				Address:																																											
Project #: 22714 Project Owner: Mewbourne Oil Company				City:																																											
Project Name: Red Hills West Unit 27				State: Zip:																																											
Project Location: 32.052347, -103.676651				Phone #:																																											
Sampler Name: Martin Sepulveda				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																			
H255019				C		1						X										X				8/12/25				X		X		X													
41		FL 125 @ 0-3"		C		1						X										X				8/12/25				X		X		X													
42		FL 126 @ 0-3"		C		1						X										X				8/12/25				X		X		X													
43		FL 127 @ 0-3"		C		1						X										X				8/12/25				X		X		X													
44		FL 128 @ 0-3"		C		1						X										X				8/12/25				X		X		X													
45		FL 129 @ 0-3"		C		1						X										X				8/12/25				X		X		X													
46		FL 130 @ 0-3"		C		1						X										X				8/12/25				X		X		X													
47		FL 131 @ 0-3"		C		1						X										X				8/12/25				X		X		X													
48		FL 132 @ 0-3"		C		1						X										X				8/12/25				X		X		X													
49		FL 133 @ 0-3"		C		1						X										X				8/12/25				X		X		X													
50		FL 134 @ 0-3"		C		1						X										X				8/12/25				X		X		X													
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Relinquished By: 				Date: 8-13-25				Received By: 				Verbal Result: ☐ Yes ☐ No				Add'l Phone #:																															
				Time: 1450								All Results are emailed. Please provide Email address: pm@etechenv.com																																			
Relinquished By:				Date:				Received By:				REMARKS:																																			
				Time:																																											
Delivered By: (Circle One)				Observed Temp. °C -6.0				Sample Condition Cool ☒ Intact ☒				CHECKED BY: (Initials) 				Turnaround Time: Standard ☒ Rush ☐				Bacteria (only) Sample Condition Cool ☐ Intact ☐																											
Sampler - UPS - Bus - Other:				Corrected Temp. °C -5.7				☐ Yes ☐ No								Thermometer ID #140				☐ Yes ☐ No																											
								☐ Yes ☐ No								Correction Factor -0.6°C				☐ Yes ☐ No																											

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 6 of 9

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST															
Project Manager: Lance Crenshaw				P.O. #:				Chloride TPH (8015M) BTEX (8021B)															
Address: 2617 West Marland				Company: Mewbourne Oil Company																			
City: Hobbs State: NM Zip: 88240				Attn: Connor Walker																			
Phone #: (575) 264-9884 Fax #:				Address:																			
Project #: 22714 Project Owner: Mewbourne Oil Company				City:																			
Project Name: Red Hills West Unit 27				State: Zip:																			
Project Location: 32.052347, -103.676651				Phone #:																			
Sampler Name: Martin Sepulveda				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													
H255019																							
51		FL 135 @ 0-3"		C 1		X		X		8/12/25		X X X											
52		FL 136 @ 0-3"		C 1		X		X		8/12/25		X X X											
53		FL 137 @ 0-3"		C 1		X		X		8/12/25		X X X											
54		FL 138 @ 0-3"		C 1		X		X		8/12/25		X X X											
55		FL 139 @ 0-3"		C 1		X		X		8/12/25		X X X											
56		FL 140 @ 0-3"		C 1		X		X		8/12/25		X X X											
57		FL 141 @ 0-3"		C 1		X		X		8/12/25		X X X											
58		FL 142 @ 0-3"		C 1		X		X		8/12/25		X X X											
59		FL 143 @ 0-3"		C 1		X		X		8/12/25		X X X											
60		FL 144 @ 0-3"		C 1		X		X		8/12/25		X X X											

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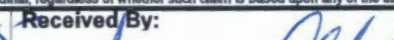
Relinquished By: <i>Matt</i> Date: <i>8-13-25</i> Time: <i>1450</i>		Received By: <i>Tamara</i> Date: _____ Time: _____		Verbal Result: ☐ Yes ☐ No Add'l Phone #: _____ All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By: _____ Date: _____ Time: _____		Received By: _____ Date: _____ Time: _____		REMARKS: _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____		Observed Temp. °C <i>-6.0</i> Corrected Temp. °C <i>5.7</i>		Sample Condition Cool Intact ☒ Yes ☐ No ☐ Yes ☐ No CHECKED BY: (Initials) <i>Y.O.</i>	
				Turnaround Time: Standard ☒ Rush ☐ Thermometer ID #140 Correction Factor <i>-0.3°C</i>	
				Bacteria (only) Sample Condition Cool Intact ☐ Yes ☐ No ☐ Yes ☐ No Observed Temp. °C _____ Corrected Temp. °C _____	

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Relinquished By: 		Date: 8-13-25 Time: 1450		Received By: 		Verbal Result: ☐ Yes ☐ No ☒ Add'l Phone #: All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Date: Time:		Received By:		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C -6.0 Corrected Temp. °C -5.7		Sample Condition Cool ☒ Intact ☒ ☐ Yes ☐ No ☐ Yes ☐ No		CHECKED BY: (Initials) 	
				Turnaround Time: Standard ☒ Rush ☐		Bacteria (only) Sample Condition Cool ☐ Intact ☐ Observed Temp. °C ☐ Yes ☐ No ☐ Yes ☐ No Corrected Temp. °C	
				Thermometer ID #140 Correction Factor -0.6°C		+0.3°C	



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 8 of 9

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																																									
Project Manager: Lance Crenshaw				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																																									
Address: 2617 West Marland				Company: Newbourne Oil Company																																													
City: Hobbs State: NM Zip: 88240				Attn: Connor Walker																																													
Phone #: (575) 264-9884 Fax #:				Address:																																													
Project #: 22714 Project Owner: Newbourne Oil Company				City:																																													
Project Name: Red Hills West Unit 27				State: Zip:																																													
Project Location: 32.052347, -103.676651				Phone #:																																													
Sampler Name: Martin Sepulveda				Fax #:																																													
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		(GRAB OR (C)OMP. # CONTAINERS		MATRIX		PRESERV.		SAMPLING																																					
								GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME																					
		H255019																																															
		71		NW 4		C 1						X										X				8/12/25						X		X		X													
		72		EW 1		C 1						X										X				8/12/25						X		X		X													
		73		EW 2		C 1						X										X				8/12/25						X		X		X													
		74		EW 3		C 1						X										X				8/12/25						X		X		X													
		75		EW 4		C 1						X										X				8/12/25						X		X		X													
		76		EW 5		C 1						X										X				8/12/25						X		X		X													
		77		SW 1		C 1						X										X				8/12/25						X		X		X													
		78		SW 2		C 1						X										X				8/12/25						X		X		X													
		79		SW 3		C 1						X										X				8/12/25						X		X		X													
		80		SW 4		C 1						X										X				8/12/25						X		X		X													

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Relinquished By: <i>Martin Sepulveda</i>		Date: 8-13-25		Received By: <i>Humara Siddiqui</i>		Verbal Result: ☐ Yes ☐ No Add'l Phone #:	
Time: 7:450		Time:		Time:		All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Date:		Received By:		REMARKS:	
Time:		Time:		Time:		Time:	
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		-6.0		Cool Intact		<i>JS</i>	
		-5.7		☐ Yes ☐ Yes			
				☐ No ☐ No			
Turnaround Time:		Standard		Rush		Bacteria (only) Sample Condition	
						Cool Intact Observed Temp. °C	
						☐ Yes ☐ Yes	
						☐ No ☐ No	
Thermometer ID #140		Correction Factor		Corrected Temp. °C			

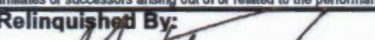
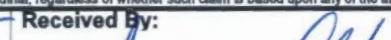
101 East Marland, Hobbs, NM 88240

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Page 9 of 9

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Relinquished By: 		Date: 8-13-25 Time: 1450		Received By: 		Verbal Result: ☐ Yes ☐ No Add'l Phone #: All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Date: Time:		Received By:		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C -6.6 Corrected Temp. °C -5.7		Sample Condition Cool ☒ Intact ☒ ☐ Yes ☐ No ☐ Yes ☐ No		CHECKED BY: (Initials) 	
				Turnaround Time: Standard ☒ Rush ☐		Bacteria (only) Sample Condition Cool ☐ Intact ☐ Observed Temp. °C ☐ Yes ☐ No ☐ Yes ☐ No Corrected Temp. °C	
				Thermometer ID #140 Correction Factor -0.3C +0.3C			



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

August 26, 2025

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RED HILLS WEST UNIT 27

Enclosed are the results of analyses for samples received by the laboratory on 08/20/25 14:59.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in dark ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/20/2025
 Reported: 08/26/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714 BATTERY
 Project Location: MEWBOURNE 32.05274-103.67691

Sampling Date: 08/19/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 6 @ 6" (H255195-01)

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	08/21/2025	ND	1.81	90.6	2.00	9.81	
Toluene*	<0.050	0.050	08/21/2025	ND	2.15	108	2.00	6.52	
Ethylbenzene*	<0.050	0.050	08/21/2025	ND	2.26	113	2.00	3.91	
Total Xylenes*	<0.150	0.150	08/21/2025	ND	7.08	118	6.00	3.51	
Total BTX	<0.300	0.300	08/21/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2200	16.0	08/21/2025	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	08/21/2025	ND	178	89.1	200	3.11	
DRO >C10-C28*	<10.0	10.0	08/21/2025	ND	171	85.6	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	08/21/2025	ND					

Surrogate: 1-Chlorooctane 94.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.3 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/20/2025
 Reported: 08/26/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714 BATTERY
 Project Location: MEWBOURNE 32.05274-103.67691

Sampling Date: 08/19/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 10 @ 6" (H255195-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2025	ND	1.81	90.6	2.00	9.81	
Toluene*	<0.050	0.050	08/21/2025	ND	2.15	108	2.00	6.52	
Ethylbenzene*	<0.050	0.050	08/21/2025	ND	2.26	113	2.00	3.91	
Total Xylenes*	<0.150	0.150	08/21/2025	ND	7.08	118	6.00	3.51	
Total BTEX	<0.300	0.300	08/21/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5200	16.0	08/21/2025	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	08/21/2025	ND	178	89.1	200	3.11	
DRO >C10-C28*	<10.0	10.0	08/21/2025	ND	171	85.6	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	08/21/2025	ND					

Surrogate: 1-Chlorooctane 96.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 93.3 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/20/2025
 Reported: 08/26/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714 BATTERY
 Project Location: MEWBOURNE 32.05274-103.67691

Sampling Date: 08/19/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 14 @ 6" (H255195-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/21/2025	ND	1.81	90.6	2.00	9.81		
Toluene*	<0.050	0.050	08/21/2025	ND	2.15	108	2.00	6.52		
Ethylbenzene*	<0.050	0.050	08/21/2025	ND	2.26	113	2.00	3.91		
Total Xylenes*	<0.150	0.150	08/21/2025	ND	7.08	118	6.00	3.51		
Total BTEX	<0.300	0.300	08/21/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3080	16.0	08/21/2025	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	08/21/2025	ND	178	89.1	200	3.11	
DRO >C10-C28*	<10.0	10.0	08/21/2025	ND	171	85.6	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	08/21/2025	ND					

Surrogate: 1-Chlorooctane 91.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 89.7 % 40.6-153

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/20/2025
 Reported: 08/26/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714 BATTERY
 Project Location: MEWBOURNE 32.05274-103.67691

Sampling Date: 08/19/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 75 @ 6" (H255195-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2025	ND	1.81	90.6	2.00	9.81	
Toluene*	<0.050	0.050	08/21/2025	ND	2.15	108	2.00	6.52	
Ethylbenzene*	<0.050	0.050	08/21/2025	ND	2.26	113	2.00	3.91	
Total Xylenes*	<0.150	0.150	08/21/2025	ND	7.08	118	6.00	3.51	
Total BTEX	<0.300	0.300	08/21/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/21/2025	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	08/21/2025	ND	178	89.1	200	3.11	
DRO >C10-C28*	<10.0	10.0	08/21/2025	ND	171	85.6	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	08/21/2025	ND					

Surrogate: 1-Chlorooctane 96.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 94.6 % 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
 LANCE CRENSHAW
 2617 W MARLAND
 HOBBS NM, 88240
 Fax To:

Received: 08/20/2025
 Reported: 08/26/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714 BATTERY
 Project Location: MEWBOURNE 32.05274-103.67691

Sampling Date: 08/19/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: FL 76 @ 6" (H255195-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/21/2025	ND	1.81	90.6	2.00	9.81	
Toluene*	<0.050	0.050	08/21/2025	ND	2.15	108	2.00	6.52	
Ethylbenzene*	<0.050	0.050	08/21/2025	ND	2.26	113	2.00	3.91	
Total Xylenes*	<0.150	0.150	08/21/2025	ND	7.08	118	6.00	3.51	
Total BTEX	<0.300	0.300	08/21/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1580	16.0	08/21/2025	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	08/21/2025	ND	178	89.1	200	3.11	
DRO >C10-C28*	<10.0	10.0	08/21/2025	ND	171	85.6	200	3.36	
EXT DRO >C28-C36	<10.0	10.0	08/21/2025	ND					

Surrogate: 1-Chlorooctane 83.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.5 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Page 1 of 1

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST											
Project Manager: Lance Crenshaw				P.O. #:				Chloride TPH (8015M) BTEX (8021B)											
Address: 2617 West Marland				Company: Mewbourne Oil Company															
City: Hobbs		State: NM		Zip: 88240		Attn: Connor Walker													
Phone #: (575) 264-9884		Fax #:		Address:		City:													
Project #: 22714		Project Owner: Mewbourne Oil Company		State:		Zip:													
Project Name: Red Hills West Unit 27 Battery				Phone #:															
Project Location: 32.05274, -103.67691				Fax #:															
Sampler Name: Dominic Casarez																			

FOR LAB USE ONLY		Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :			
1	FL 6 @ 6"	C	1				X					X		8/19/25			
2	FL 10 @ 6"	C	1				X					X		8/19/25			
3	FL 14 @ 6"	C	1				X					X		8/19/25			
4	FL 75 @ 6"	C	1				X					X		8/19/25			
5	FL 76 @ 6"	C	1				X					X		8/19/25			

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Relinquished By: <i>Matt</i>		Date: 8-20-25	Received By: <i>Tamara Eldridge</i>		Verbal Result: ☐ Yes ☐ No Add'l Phone #:	
		Time: 1459			All Results are emailed. Please provide Email address: pm@etechenv.com	
Relinquished By:		Date:	Received By:		REMARKS:	
		Time:				
Delivered By: (Circle One)		Observed Temp. °C -5.7	Sample Condition		CHECKED BY: (Initials) <i>T-O</i>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C -5.4	Cool Intact ☒ Yes ☐ No		Turnaround Time: Standard ☒ Rush ☐	
					Thermometer ID #140 Correction Factor -0.6°C +0.3°C	
					Bacteria (only) Sample Condition Cool Intact ☐ Yes ☐ No ☐ Yes ☐ No Observed Temp. °C Corrected Temp. °C	



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

August 27, 2025

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: RED HILLS WEST UNIT 27

Enclosed are the results of analyses for samples received by the laboratory on 08/21/25 15:21.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/21/2025
 Reported: 08/27/2025
 Project Name: RED HILLS WEST UNIT 27
 Project Number: 22714
 Project Location: MEWBOURNE 32.05274-103.67691

Sampling Date: 08/20/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: FL 130 @ 6" (H255237-01)

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	08/22/2025	ND	1.48	73.9	2.00	5.51	
Toluene*	<0.050	0.050	08/22/2025	ND	1.66	82.9	2.00	5.59	
Ethylbenzene*	<0.050	0.050	08/22/2025	ND	1.76	87.9	2.00	5.57	
Total Xylenes*	<0.150	0.150	08/22/2025	ND	5.42	90.3	6.00	5.03	
Total BTX	<0.300	0.300	08/22/2025	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	864	16.0	08/22/2025	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	08/22/2025	ND	181	90.6	200	0.803	
DRO >C10-C28*	<10.0	10.0	08/22/2025	ND	184	91.9	200	2.17	
EXT DRO >C28-C36	<10.0	10.0	08/22/2025	ND					

Surrogate: 1-Chlorooctane 73.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.2 % 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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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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 1

Page 4 of 4

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																											
Project Manager: Lance Crenshaw				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																											
Address: 2617 West Marland				Company: Mewbourne Oil Company																															
City: Hobbs		State: NM		Zip: 88240		Attn: Connor Walker																													
Phone #: (575) 264-9884		Fax #:		Address:		City:																													
Project #: 22714		Project Owner: Mewbourne Oil Company		State:		Zip:																													
Project Name: Red Hills West Unit 27 Battery		Phone #:		Fax #:																															
Project Location: 32.05274, -103.67691																																			
Sampler Name: Dominic Casarez																																			
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											
Hassan		FL 130 @ 6"		C		1		X		X												8/20/25				X X X									

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. 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: 8-21-25		Received By: <i>[Signature]</i>		Verbal Result: ☐ Yes ☐ No		Add'l Phone #:	
Relinquished By:		Time: 1:52		Received By:		All Results are emailed. Please provide Email address:		pm@etechenv.com	
Date:		Time:		Date:		REMARKS:			
Delivered By: (Circle One)		Observed Temp. °C: -1.8		Sample Condition		CHECKED BY: (Initials)		Turnaround Time: Standard ☒ Rush ☐	
Sampler - UPS - Bus - Other:		Corrected Temp. °C: -1.5		Cool Intact ☒ Yes ☐ No ☐ No		Bacteria (only) Sample Condition		Cool Intact ☐ Yes ☐ No ☐ No	
						Thermometer ID #140		Observed Temp. °C	
						Correction Factor -0.6°C		Corrected Temp. °C	



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

October 09, 2025

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: BATTLE AXE RANCH PIT

Enclosed are the results of analyses for samples received by the laboratory on 10/07/25 14:45.

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

www.tceq.texas.gov/field/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,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: BATTLE AXE RANCH PIT
Project Number: 22714
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
09-Oct-25 12:44

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
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BACKFILL PIT	H256263-01	Soil	07-Oct-25 00:00	07-Oct-25 14:45
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10/09/25 - Client changed the project name (see COC). This is the revised report and will replace the one sent on 10/08/25.

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: BATTLE AXE RANCH PIT
Project Number: 22714
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
09-Oct-25 12:44

BACKFILL PIT
H256263-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	5100812	HM	08-Oct-25	4500-Cl-B	
----------	-------	--	------	-------	---	---------	----	-----------	-----------	--

Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	5100716	JH	07-Oct-25	8021B	
Toluene*	<0.050		0.050	mg/kg	50	5100716	JH	07-Oct-25	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	5100716	JH	07-Oct-25	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	5100716	JH	07-Oct-25	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	5100716	JH	07-Oct-25	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			87.9 %	70.4-141		5100716	JH	07-Oct-25	8021B	

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	5100724	MS	07-Oct-25	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	5100724	MS	07-Oct-25	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	5100724	MS	07-Oct-25	8015B	
Surrogate: 1-Chlorooctane			70.4 %	52.4-130		5100724	MS	07-Oct-25	8015B	
Surrogate: 1-Chlorooctadecane			67.4 %	39.9-141		5100724	MS	07-Oct-25	8015B	

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Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: BATTLE AXE RANCH PIT
Project Number: 22714
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
09-Oct-25 12:44

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 5100812 - 1:4 DI Water									
Blank (5100812-BLK1)				Prepared & Analyzed: 08-Oct-25					
Chloride	ND	16.0	mg/kg						
LCS (5100812-BS1)				Prepared & Analyzed: 08-Oct-25					
Chloride	416	16.0	mg/kg	400		104	80-120		
LCS Dup (5100812-BSD1)				Prepared & Analyzed: 08-Oct-25					
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20

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Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: BATTLE AXE RANCH PIT
Project Number: 22714
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
09-Oct-25 12:44

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
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 5100716 - Volatiles**Blank (5100716-BLK1)**

Prepared & Analyzed: 07-Oct-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)	ND		mg/kg	0.0500		88.1	70.4-141			

LCS (5100716-BS1)

Prepared & Analyzed: 07-Oct-25

Benzene	1.95	0.050	mg/kg	2.00		97.7	71-111			
Toluene	1.91	0.050	mg/kg	2.00		95.7	75-116			
Ethylbenzene	1.85	0.050	mg/kg	2.00		92.6	74.2-119			
m,p-Xylene	3.57	0.100	mg/kg	4.00		89.3	72.5-123			
o-Xylene	1.79	0.050	mg/kg	2.00		89.7	70.5-124			
Total Xylenes	5.37	0.150	mg/kg	6.00		89.4	72.2-123			
Surrogate: 4-Bromofluorobenzene (PID)	0.0432		mg/kg	0.0500		86.4	70.4-141			

LCS Dup (5100716-BS1)

Prepared & Analyzed: 07-Oct-25

Benzene	1.90	0.050	mg/kg	2.00		95.2	71-111	2.55	17.6	
Toluene	1.87	0.050	mg/kg	2.00		93.5	75-116	2.37	14.8	
Ethylbenzene	1.80	0.050	mg/kg	2.00		90.1	74.2-119	2.74	14.2	
m,p-Xylene	3.46	0.100	mg/kg	4.00		86.6	72.5-123	3.02	13.6	
o-Xylene	1.75	0.050	mg/kg	2.00		87.5	70.5-124	2.49	13.7	
Total Xylenes	5.21	0.150	mg/kg	6.00		86.9	72.2-123	2.85	13.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0430		mg/kg	0.0500		86.1	70.4-141			

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Analytical Results For:

Etech Environmental & Safety Solutions
2617 W MARLAND
HOBBS NM, 88240

Project: BATTLE AXE RANCH PIT
Project Number: 22714
Project Manager: LANCE CRENSHAW
Fax To:

Reported:
09-Oct-25 12:44

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
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 5100724 - General Prep - Organics**Blank (5100724-BLK1)**

Prepared & Analyzed: 07-Oct-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	39.8		mg/kg	50.0		79.7	52.4-130			
Surrogate: 1-Chlorooctadecane	38.3		mg/kg	50.0		76.5	39.9-141			

LCS (5100724-BS1)

Prepared & Analyzed: 07-Oct-25

GRO C6-C10	168	10.0	mg/kg	200		84.2	78.7-123			
DRO >C10-C28	167	10.0	mg/kg	200		83.7	74.8-123			
Total TPH C6-C28	336	10.0	mg/kg	400		83.9	78.6-121			
Surrogate: 1-Chlorooctane	42.6		mg/kg	50.0		85.2	52.4-130			
Surrogate: 1-Chlorooctadecane	43.4		mg/kg	50.0		86.9	39.9-141			

LCS Dup (5100724-BSD1)

Prepared & Analyzed: 07-Oct-25

GRO C6-C10	174	10.0	mg/kg	200		87.1	78.7-123	3.42	11.3	
DRO >C10-C28	172	10.0	mg/kg	200		85.9	74.8-123	2.62	10.9	
Total TPH C6-C28	346	10.0	mg/kg	400		86.5	78.6-121	3.02	10.5	
Surrogate: 1-Chlorooctane	44.7		mg/kg	50.0		89.5	52.4-130			
Surrogate: 1-Chlorooctadecane	45.3		mg/kg	50.0		90.6	39.9-141			

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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

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

Page 1 of 1

Page 9 of 9

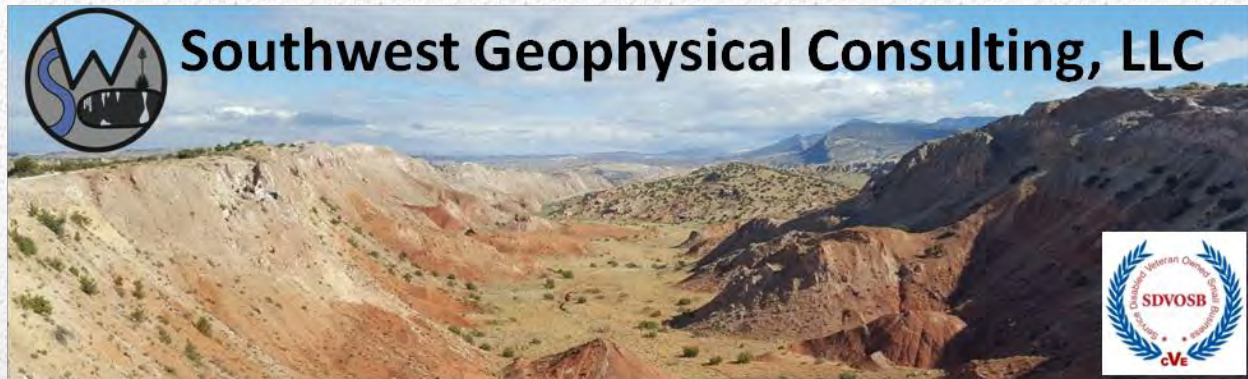
Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																					
Project Manager: Lance Crenshaw				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																					
Address: 2617 West Marland				Company: SEE REMARKS																									
City: Hobbs State: NM Zip: 88240				Attn:																									
Phone #: (575) 264-9884 Fax #:				Address:																									
Project #: 22714 Project Owner: Mewbourne Oil Company				City:																									
Project Name: Red Hills West Unit 27 Battery <i>*Battle Axe Ranch Pit</i>				State: Zip:																									
Project Location: 32.05274, -103.67691				Phone #:																									
Sampler Name: Presley Perez				Fax #:																									
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		(G/RAB OR C/COMP.)		# CONTAINERS		MATRIX				PRESERV.		SAMPLING													
										GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				ACID/BASE: ICE / COOL: OTHER:		DATE TIME													
<i>H850203</i>		Backfill Pit		C		1		X				X		10/7/25				X X X											

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Relinquished By: <i>[Signature]</i>		Date: 10-7-25		Received By: <i>[Signature]</i>		Verbal Result: ☐ Yes ☐ No		Add'l Phone #:	
Relinquished By:		Date: 10/8/25		Received By:		All Results are emailed. Please provide Email address: pm@etechenv.com		REMARKS:	
Delivered By: (Circle One)		Observed Temp. °C 5.4		Sample Condition		CHECKED BY: (Initials)		Turnaround Time: Standard ☐ Rush ☒	
Sampler - UPS - Bus - Other:		Corrected Temp. °C 5.1		☒ Yes ☐ No ☐ Cool ☐ Intact		<i>[Signature]</i>		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ☐ Yes ☐ No ☐ No ☐ No Corrected Temp. °C	
								Thermometer ID #140 Correction Factor -0.5°C to -3.2	

Appendix E

Karst Study Report



Environmental Karst Study Report Mewbourne Red Hills West Unit 27 Lea County, New Mexico

Prepared For:
eTech Environmental & Safety Solutions, Inc.
6309 Indiana Avenue, Suite D
Lubbock, TX 79413

- ☐ Positive within 200 feet of spill delineation boundary
- ☒ Negative within 200 feet of spill delineation boundary
- ☒ Stable ☐ Unstable Ground
- ☐ Karst Monitor Recommended

August 13, 2025

ETEC-019-20250723

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MMXXV

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1.0 INTRODUCTION

This report was commissioned by eTech Environmental & Safety Solutions, Inc. (hereinafter referred to as "the client"), on July 23, 2025, for the purpose of conducting an environmental karst study within an area encompassing the Mewbourne Red Hills West Unit 27 release site (hereinafter termed "RH27") centered at N 32.052452° W 103.676397°.

1.1 Goals of this Study

The goals of this study are to conduct a surface karst inventory and provide the client with the location and description of any surface karst features located within 200 feet (61 meters) of the spill delineation boundary (as defined by 19.15.29.12 NMAC^[1]), and to determine whether stable ground exists (as defined by 19.15.2 NMAC Definitions^[2]) within the spill delineation boundary of the Mewbourne Red Hills West Unit 27 release site as provided by the client via e-mail (1_GeoMeasure_2025-07-20-09-36-50_bmacinfotech.kml) on July 23, 2025, using electrical resistivity imaging^[3].

1.2 Summary of Findings

- **No surface karst features exist within the 200-foot (61-meter) perimeter of the spill delineation boundary.**
- **No anomalies consistent with subsurface air- or water-filled voids were found within the RH27 resistivity survey area, indicating the zone beneath the geophysical survey is not subject to collapse.**
- **Well layered stratigraphy is interpreted to exist beneath the area where the geophysical survey was conducted, indicating stable ground.**

1.3 Affected Environment

The RH27 project site is located in evaporite karst terrain, a landform that is characterized by underground drainage through solutionally enlarged conduits. Evaporite karst terrain may contain sinkholes, sinking streams, caves, and springs. Sinkholes leading to underground drainages and voids are common. These karst features, as well as occasional fissures and discontinuities in the bedrock, provide the primary sources for rapid recharge of the groundwater aquifers of the region. Additionally, karst may develop by hypogene processes involving dissolution by upwelling fluids from depth independent of recharge from the overlying or immediately adjacent surface. Hypogene karst systems may not be connected to the surface and can remain undiscovered unless encountered during drilling or excavation.

Karst features are delicate resources that are often of geological, hydrological, biological, and archeological importance, and should be protected. The four primary concerns in these types of terrain are environmental issues, worker safety, equipment damage, and infrastructure integrity.

The Bureau of Land Management (BLM) categorizes all areas within the Carlsbad Field Office (CFO) zone of responsibility as having either low, medium, high, or critical cave potential based on geology, occurrence of known caves, density of karst features, and potential impacts to freshwater aquifers^[4]. These designations are also recognized by the New Mexico State Land Office (NMSLO). This project occurs within a **MEDIUM** karst occurrence zone (MKOZ)^[5] (**Figure 1**).



Figure 1: Karst occurrence zone overview. Background image credit: Google Earth. Image date: December 12, 2023. Image datum: WGS-84.

A medium karst occurrence zone is defined as an area in known soluble rock types that may have a shallow insoluble overburden. These areas may contain isolated karst features such as caves and sinkholes. Groundwater recharge may not be wholly dependent on karst features, but the karst features still provide the most rapid aquifer recharge in response to surface runoff^[4].

Due to the rapidity with which evaporite karst develops, locations within BLM-CFO designated karst occurrence zones must be assessed on an individual basis to determine the existence of surface karst features and the possibility of sub-surface karst development each time a release occurs.

1.4 Limitations of Report

This report should be read in full. No responsibility is accepted for the use of any part of this report in any other context or for any other purpose or by third parties. This report does not purport to give legal advice. Legal advice can only be given by qualified legal practitioners.

This report has been prepared for the use of eTech Environmental & Safety Solutions, Inc., in accordance with generally accepted consulting practices. Every effort has been made to ensure the information in this report is accurate as of the time of its writing. This report has not been prepared for use by parties other than the client, their contracting party, and their respective consulting advisors. It may not contain sufficient information for the purposes of other parties or for other uses.

This report was prepared upon completion of the associated fieldwork using a standard template prepared by Southwest Geophysical Consulting and is based on information collected prior to fieldwork, conditions encountered on site, and data collected during the fieldwork and reviewed at the time of preparation. Southwest Geophysical Consulting disclaims responsibility for any changes that might have occurred at the site after this time. The interpreted results, locations, and depths noted in this report (if applicable) should be taken as an interpretation only and no decision should be based solely on this information. Physical verification of aerial imagery analysis results in the field should be conducted prior to using this information for remediation planning. Physical verification of geophysical results using geotechnical methods should be conducted.

To the best of our knowledge, the information contained in this report is accurate at the date of issue. Due to the nature of karst terrain, the information in this report shall not be used beyond two years past the date of the field work provided in section **2.3 Description of Survey**. Large weather events can shorten this time period as areas subject to karst development can rapidly form new features subsequent to these events.

2.0 LOCATION AND DESCRIPTION OF STUDY AREA

2.1 Description of Site

The site is located 65.8 kilometers (41.1 miles) southeast of Carlsbad, New Mexico, south of Pipeline Road and east of Orla Road. The project site is located within section 9 of NM T26S R32E^[6] (**Figure 1** and **Figure 2**). The region has flat-lying terrain with karstification occurring in the gypsite soils and underlying gypsum and dolomite bedrock^[7] (see section **2.2 Local Geology Summary** for further information). The climate in this area of southeast New Mexico is semi-arid with an average annual precipitation of approximately 13 inches, of which about two-thirds falls as rain during summer thunderstorms from June to October. Summers are hot and sunny while winters are generally mild, with an average maximum temperature of 96°F in July and an average minimum temperature of 28°F in January^[8]. This area is within the Chihuahuan Desert Thornscrub as defined by the Southwestern Regional ReGAP Vegetation map^[9] and the vegetation consists mostly of areas of blue grama, nine-awned pappus grass, burro grass and low scrub including yucca. The spill delineation boundary is located within an MKOZ^[5] (**Figure 1**) and within BLM-CFO managed land^[10] (**Figure 2**).



Figure 2: Land ownership and PLSS overview. Background image credit: Google Earth. Image date: December 12, 2023. Image datum: WGS-84.

2.2 Local Geology Summary

The site for the RH27 survey is located at an elevation of 985 meters (3,231 feet), $\pm$ 11 meters (36 feet), and is located within a region underlain by the Permian Rustler Formation (Pru, not pictured as it does not outcrop in this area). The area is mantled by thin gypsiferous soils (gypsite), Quaternary alluvium (Qal), and eolian deposits (Qe)^[11] up to 5 meters in depth (**Figure 3**).

The Rustler Formation is an evaporite facies composed mainly of thin siltstones and sandstones interbedded with claystones, dolomite, and gypsum, and contains both karst-forming strata (the Forty-niner and Tamarisk members) and two shallow aquifers (the Magenta and Culebra Dolomite members)^[12].

The Pru overlies the Permian Salado Formation (Psl – not shown), a layer of extremely soluble halite which can readily dissolve to create caves, sinkholes, and other karst features; however, due to its extremely soluble nature, only non-soluble silt and sand remain from the dissolution of this layer at the surface^[12]. The Rustler Formation may be subject to collapse if a void has developed beneath it in the Salado Formation^[13].

The survey area is covered by the easily accessible Geologic Map of New Mexico (2003) at 1:500,000 scale^[14] and the Digital Geologic Map of New Mexico in ARC/INFO Format^[11].



Figure 3: Geology overview. Geology map credit: The Digital Geologic Map of New Mexico in ARC/INFO Format. Background image credit: Google Earth. Image date: December 12, 2023. Image datum: WGS-84.

2.3 Description of Survey

2.3.1 Surface Karst Survey

Southwest Geophysical Consulting, in partnership with SWCA Environmental Consultants, provides surface karst surveys using small, uncrewed aerial systems (sUAS) that are flown by qualified, FAA licensed drone pilots and that meet the stringent Bureau of Land Management – Carlsbad Field Office requirements for both pedestrian and aerial karst surveys.

The surface karst survey includes a desk study prior to the flight which allows us to provide client feedback in the event of any previously known karst features in the area. The desk study is performed out to 305 meters (1,000 feet) from the spill delineation boundary per New Mexico Oil Conservation Division guidance^[1] (**Figure 4**). The study was performed using satellite and aerial imagery from Google Earth Pro dated December 12, 2023 (please note features less than one meter in diameter are generally not visible using this method); the Southwest Geophysical Cave and Karst Database dated August 1, 2025^[15]; the Puduca Breaks West, 2013, USGS topographic map; and the latest lidar imagery from CalTopo.com. Please note that we use older topographic maps because newer maps have had caves removed from them. These searches and queries returned no results within the survey boundary.

Surface karst surveys are conducted by sUAS at low elevation within 200 meters of the spill delineation boundary^[3] (**Figure 4**) following a preplanned raster pattern flightpath designed for the purpose of generating at least 75% imagery overlap. The collected high-resolution, georeferenced imagery is stitched together to develop orthomosaic imagery which is further developed into a digital elevation model (DEM); the DEM is then processed into a local relief model (LRM) (**Figure 6**). This LRM is color coded to enhance differences in elevation of as little as five centimeters. The orthoimagery, DEM, and LRM are uploaded to a server where they are analyzed by an experienced karst geologist. Finally, the data is reviewed by a senior karst geologist for quality assurance and downloaded into a table for inclusion in a written report^[16].

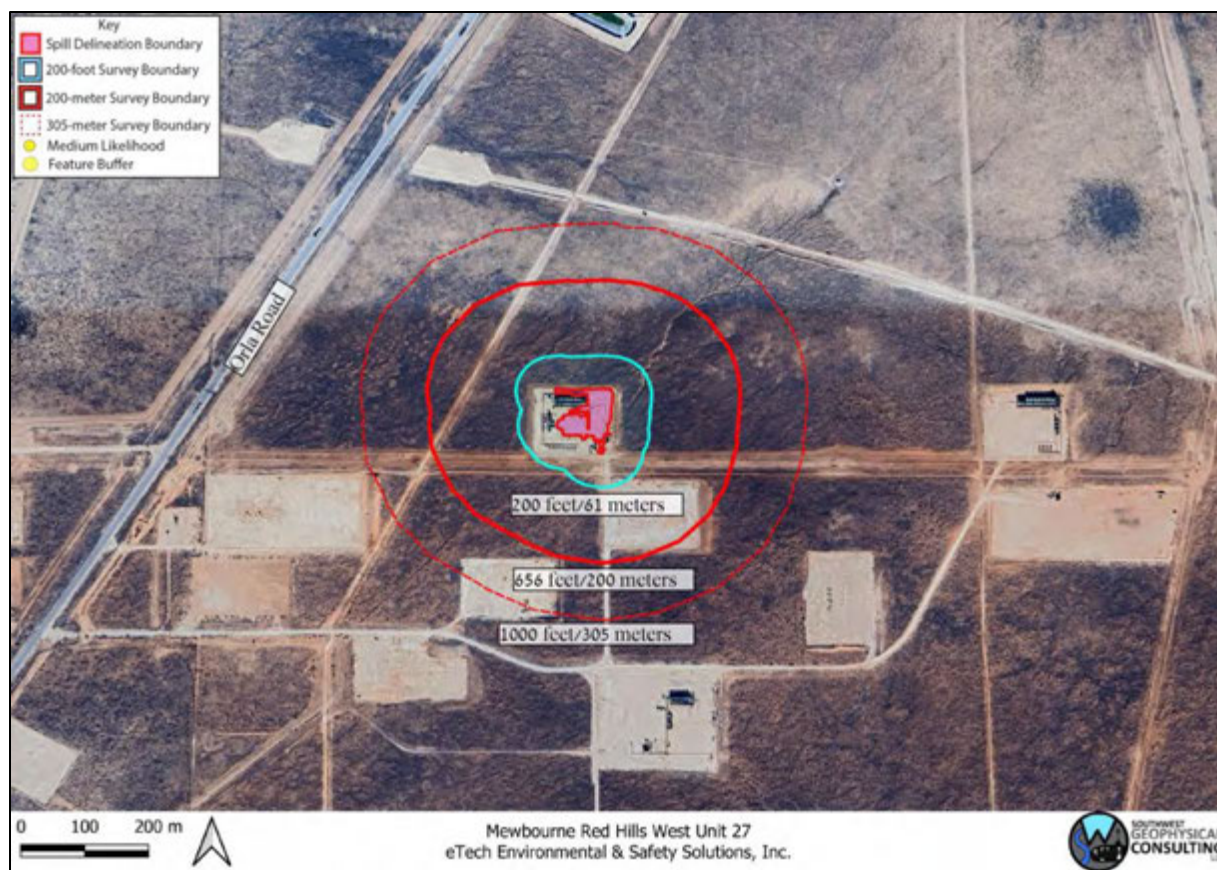


Figure 4: Surface survey overview. Background image credit: Google Earth. Image date: December 12, 2023. Datum: WGS-84.

The resolution of the orthoimagery is clear enough that features as small as 10 centimeters can be positively identified in most circumstances. Occasionally there are ambiguous features identified during an aerial survey that will need to be checked in the field if they are impacted by the proposed remediation efforts. Specifically, it is difficult to tell the difference between solution tubes, abandoned uncased well bores, and some burrows in drone imagery. If an ambiguous feature is located during imagery analysis, it is marked with a yellow dot in **Figure 6**. If a feature of any likelihood is subsequently verified in the field prior to publication of the report, the dot will be changed to a red triangle if confirmed as a karst feature or deleted if not.

The imagery for this study was collected via aerial survey by Pat Lagodney of SWCA on August 4, 2025. Surface karst features may have developed after this date and will not be noted in this report. Imagery analysis was completed by Dave Decker of Southwest Geophysical Consulting on August 5, 2025.

2.3.2 Geophysical Survey

For this survey, a Guideline Geo Inc. ABEM Terrameter LS 2, a 28-electrode array of 40-centimeter-long electrodes, and a tablet controller were used to image the subsurface. This survey consisted of two resistivity lines in a dipole-dipole configuration: line RH2701 was laid out south to north, while line RH2702 was laid out east to west. Both RH2701 and RH2702 consisted of 28 electrodes, at 5-meter spacing, resulting in 135-meter-long arrays (**Figure 5**, **Table 1**). One preconfigured command file was used to run the data collection (DiDi28). The 28-electrode configuration provided a depth of investigation of 27 meters (89 feet), all with a resolution of 2.5 to 3.0 meters (8.2 to 9.8 feet) within the first 5 to 8 meters (16 to 26 feet) from the surface. A Leica GS18 GPS was used to record electrode locations and elevations.

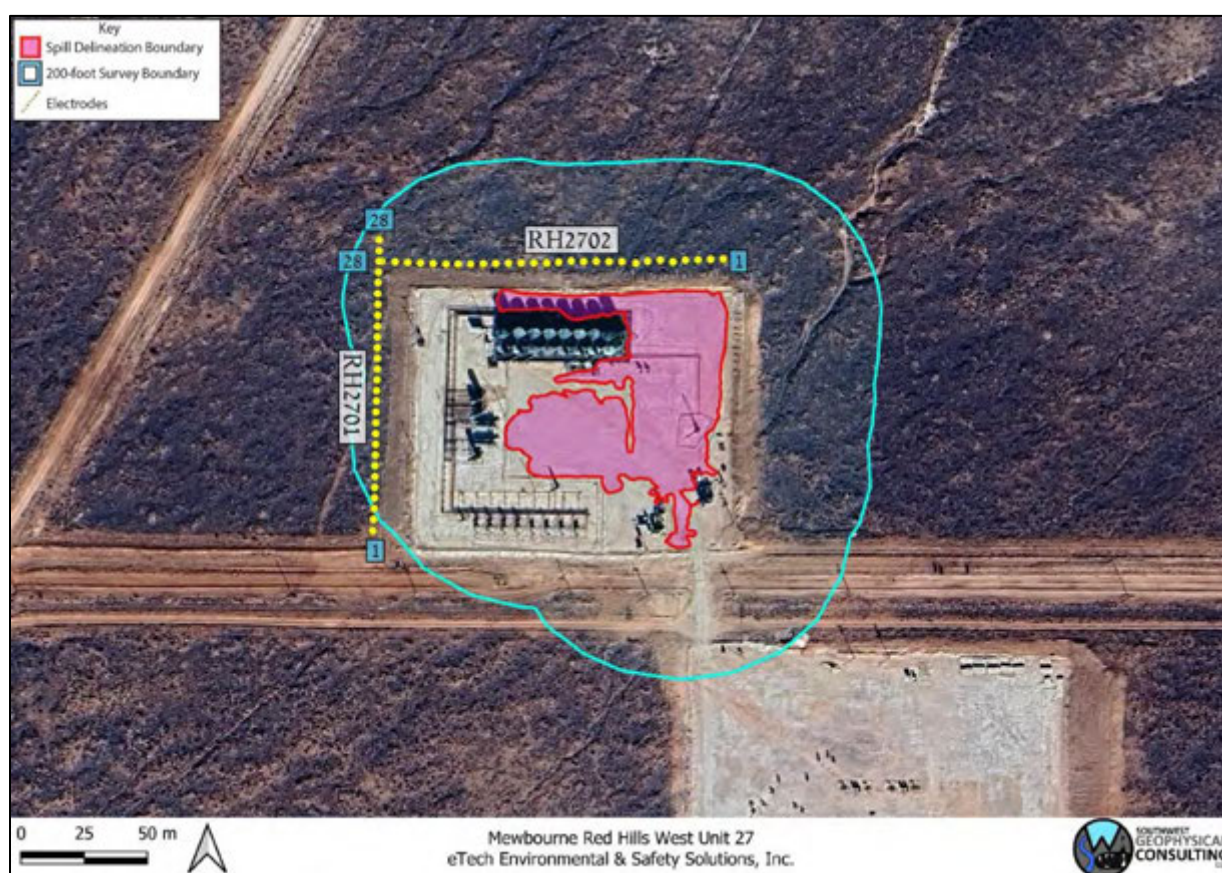


Figure 5: Geophysical survey overview. Both RH2701 and RH2702 were conducted with 28 electrodes each: all at 5-meter spacing (yellow dots denoted with blue numbers). Background image credit: Google Earth. Image date: December 12, 2023. Image datum: WGS-84.

Table 1 provides basic line data. Detailed information for each line including electrode number, location in latitude/longitude (decimal degree format), and elevation in meters can be found in the accompanying data files.

Table 1: Survey Line Data Table. The RH27_ERI_Points.kmz file contains all the points for the survey line listed in the file name. These data are available in the accompanying file ETEC-019-20250723_RH27_Data_Files.kmz.

File Name:	Completed By:	Date:
RH2701.kmz	Steven Kesler – Senior Field Geologist Kat Knight – Field Geologist	8/4/2025
RH2702.kmz	Michael Jones – Field Geologist Aaron Beirl – Field Geologist	

EarthImager™ 2D software was used to download and process the data and to provide the model used to make our interpretations. The design of the survey and the orientation of each of the lines provides the information necessary to make the determination of “stable” or “unstable” ground at this site.

A typical starting model was used for the data processing due to the two-layer model of the geology in the area; specifically, generally high-resistivity gypsum and dolomite at the surface and low-resistivity saturated gypsum and dolomite bedrock at depth. The starting model used was “average apparent resistivity” and a default inversion setting of “surface,” with a minimum apparent resistivity set to 0.1 Ohm-meters (Ohm-m or Ω -m) and a max apparent resistivity set to 100,000 Ω -m (**Table 2**).

Table 2: Software Information and Settings

Software Name:	EarthImager™ 2D
Version:	2.4.4.649
Starting Model:	Average Apparent Resistivity
Default Inversion Settings:	Surface
Changes to Default Inversion Settings:	Max Apparent Resistivity = 100 k Ω -m Min Apparent Resistivity = 0.1 Ω -m

Note: Raw data files (.stg files for EarthImager™ 2D) and processed data (.trn files, terrain files for surface correction in EarthImager™ 2D and .out files, the processed .stg files) are available upon request.

All field work, including setup, stow, and travel, was completed by Steven Kessler, Kat Knight, Michael Jones, and Aaron Beirl on August 4, 2025.

3.0 RESULTS

3.1 Surface Karst Survey

No surface karst features were located within the 200-foot (61-meter)^[1] survey boundary during the desk study or surface karst survey.

No springs exist within the 1,000-foot (305-meter)^[1] survey boundary.

The lack of surface karst features does not mean the area is not karstified and the survey area may still contain buried karst features. Caution should be exercised while clearing brush and during any excavation, trenching, or construction operations. Employing a BLM-CFO approved karst monitor on site during these operations should be considered.

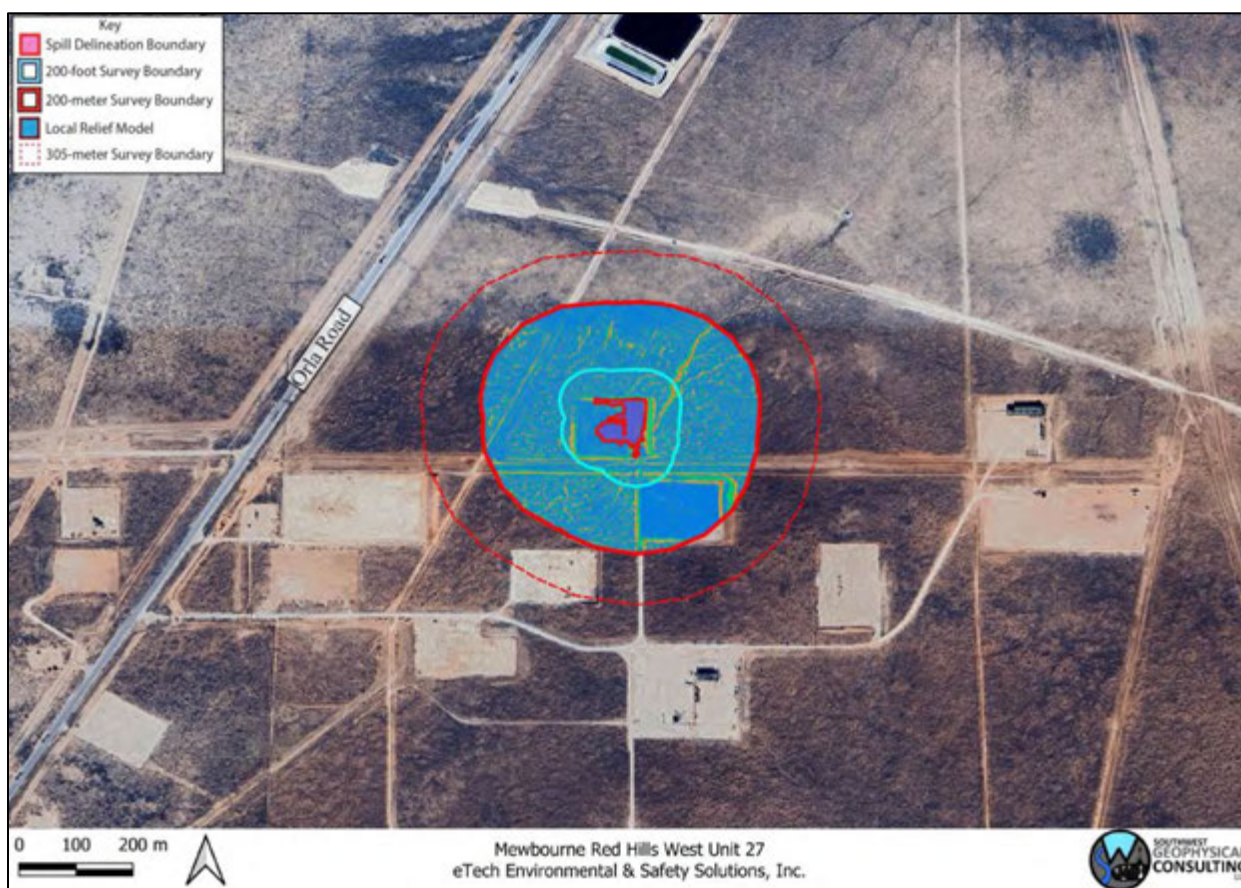


Figure 6: Surface karst survey results. Background image credit: Google Earth. Image date: July 14, 2024. Image datum: WGS-84.

3.2 Geophysical Survey

Electrical resistivity tomography forms images of the subsurface by causing a current to flow through the rock and soil and then measuring the resistance of these materials as the current flows through them. This measurement is taken many times and the resulting data, once processed, is used to produce a model of the subsurface (**Figure 7**). This model is produced using "non-unique" solutions, which means that there are many models and interpretations which will satisfy the data. Using experience and knowledge of the local geology, a high-confidence model can be established and used to develop an accurate understanding of what lies below the surface. This survey was conducted with the express purpose of locating subsurface voids and does not purport to find paleokarst (old, non-active karst features that have been filled in with sand and sediment) or nascent karst features below the resolution limit of the survey.

The results of this study indicate a moderately well-layered geologic system with resistivities between 18.4 and 662 Ohm-m (**Figure 7**). Please keep in mind when viewing the 2D inverted resistivity sections that color maps can be widely different for each view. Always check the color map located on the right side of the image when viewing the 2D images to ensure you understand the range of resistivities presented. Distances along the top and depths along the left side are in meters. The color map along the right side is in Ohm-m. Due to the nature of the survey, shallower zones have higher resolution between electrodes than deeper zones; therefore, small features at depth will not be visible.

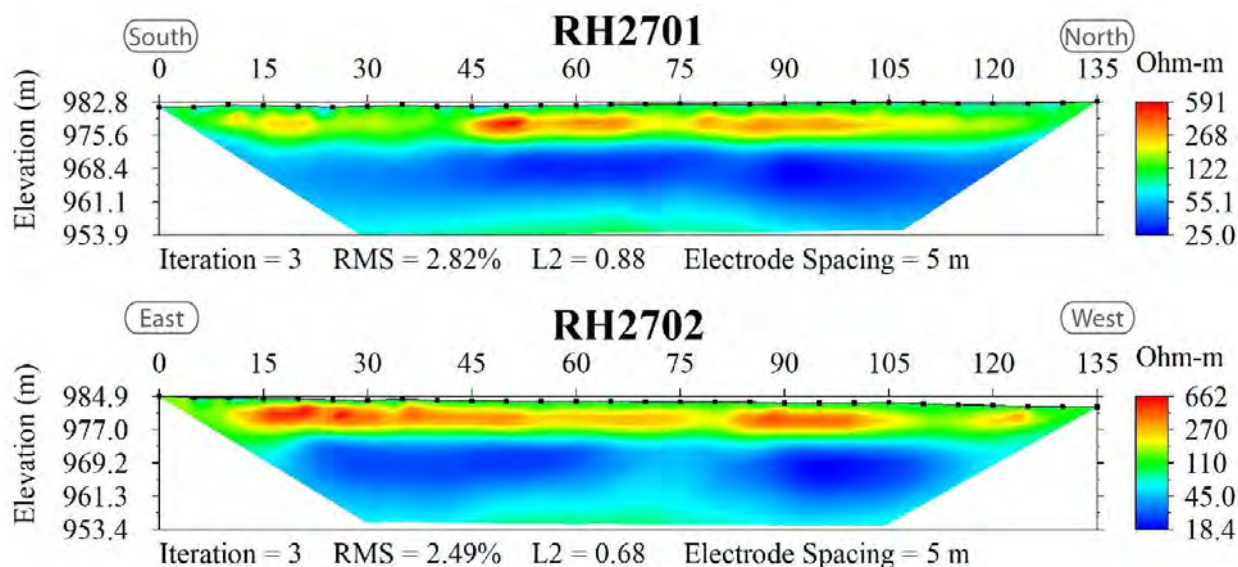


Figure 7: 2D inverted resistivity sections. Reds and oranges indicate higher resistivity values. Yellows and greens are medium-resistivity values. Blues are low-resistivity values. Please note that the color scale is relative.

4.0 DISCUSSION

No surface karst features were located within the survey area.

No high-resistivity anomalies consistent with air-filled subsurface voids are located within the survey boundary. However, due to the resolution limit of the survey, other small voids at or near the resolution limit (2.5 – 3.0 meters) cannot be ruled out (these are not common in this area). Higher-than-average resistivity areas located less than 10 meters beneath the surface are interpreted as dry caliche or gypsite soils; due to their low resistivity values when compared with significant subsurface voids, these features should not be a concern for remediation activities. Areas of moderate resistivity (yellows and greens) near the surface are interpreted as dry caliche soils and gypsum or dolomite bedrock of the Rustler Formation (**Figure 7** and **Figure 8**).

Resistivity of the survey area drops below 55 Ω -m at approximately 10 meters (33 feet) depth in the survey area, indicating a change to clay-rich soils or possibly moist to saturated caliche/gypsite soils or gypsum/dolomite bedrock.

Please remember that these are interpretations made from knowledge of the local subsurface materials and experience. **They remain interpretations until verified by geotechnical methods.**

Within karst terrains like the project site, small air- or sediment-filled voids and/or brecciated zones and solutionally enlarged fractures that are below the resolution limit of the survey may exist; these may be encountered during excavation and if so, should be evaluated by a karst specialist prior to continuation of the excavation. Employing a BLM-CFO approved karst monitor on site during excavation in this area should be considered.

Fracture sets within the subsurface can act as hydrologic pathways to the water table. Rapid dissolution of gypsum can occur along these pathways creating solution-enlarged fractures, and in some cases, voids within months to years. For this reason, this survey is valid only for this remediation event.

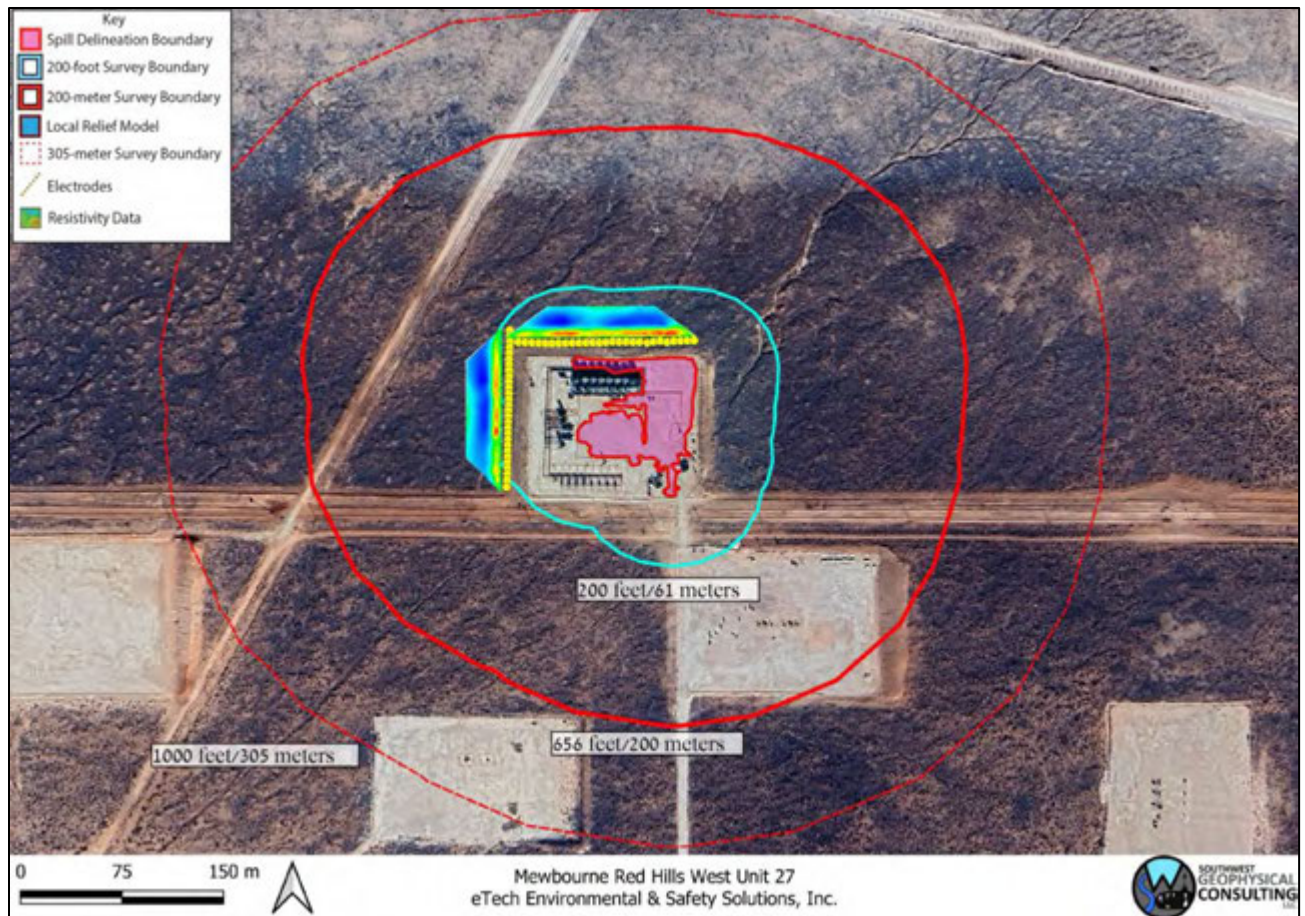


Figure 8: Data overlay. Colored trapezoids are 2D inverted resistivity lines. Background image credit: Google Earth. Image date: July 14, 2024.

5.0 SUMMARY

- The RH27 survey contains no surface karst features within 200 feet (61 meters) of the spill delineation boundary.
- The RH27 survey contains no high-resistivity anomalies which we interpret as subsurface voids.
- A well-layered stratigraphy is interpreted to exist beneath the area where the geophysical survey was conducted, indicating stable ground.
- Geophysical interpretations should be field verified by geotechnical methods prior to using this information for remediation planning.

6.0 DISCLOSURE STATEMENT

Karst occurrence zones are prone to rapid karst formation and warrant careful planning and engineering to mitigate karst-forming processes that could be accelerated by removal of surface cover or the vibrations associated with heavy equipment used in the remediation process.

Mitigation measures for any karst features revealed during excavation shall be approved by the Bureau of Land Management – Carlsbad Field Office and follow the Natural Resources Conservation Service Conservation Practice Standard for Karst Sinkhole Treatment, Code 527, or the Bureau of Land Management Cave and Karst Management Handbook, H-8380-1.

Vigilance during remediation activities is paramount. If voids are encountered during excavation, contact the Bureau of Land Management Karst Division at (575) 234-5972, the New Mexico State Land Office Surface Resources Division at (505) 827-5768, or a BLM-CFO approved karst contractor and request an on-site investigation from a karst expert if one is not already on site. A karst consultant can generally be available in Eddy County within five hours.

Approved karst monitors should have karst feature identification training, at least two years of supervised experience identifying karst features, wilderness first aid training, SRT training, confined space training, gas monitor training, and a minimum of SPAR cave rescue training through NCRC. They should have with them the proper gear and be prepared both physically and mentally to enter a collapse feature within minutes to perform a rescue if needed.

Monitoring services with qualified karst monitors, as well as cave surveys and geophysical surveys, are available from Southwest Geophysical Consulting.

Under no circumstances should an untrained, inexperienced person enter a cave, pit, sinkhole, or collapse feature. All field employees of Southwest Geophysical Consulting have extensive caving experience and the ability to determine whether entry into a karst feature is safe or presents a hazard. In the event it is necessary to enter a karst feature, Southwest Geophysical Consulting can provide these services on request.

Cave and karst resource inventory reports, karst feature investigations, and geophysical reports (along with the associated data files) commissioned at the request of the land manager should be submitted to BLM-CFO at blm_nm_karst@blm.gov.

Cave and karst resource inventory reports for the NMSLO should be submitted to the respective project manager.

Environmental karst reports should be submitted to the appropriate project manager at the New Mexico Oil Conservation Division.

7.0 REFERENCES

- 1 Division, O. C. *Title 19, Chapter 15, Part 29* (Oil Conservation Division, 2018).
- 2 NMSLO.(ed Oil Conservation Division) (New Mexico State Land Office, Santa Fe, NM, 2018).
- 3 Decker, D. & Jorgensen, G. L. *Environmental Karst Surveys White Paper* (Southwest Geophysical Consulting, LLC, 2024).
- 4 Goodbar, J. R. Vol. BLM Management Handbook H-8380-1 (ed Carlsbad Field Office) 59 (Bureau of Land Management, Denver, CO, 2015).
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- 8 W.R.C.C. *National Climate Data Center 1981-2010 Normal Climate Summary for Carlsbad, New Mexico (291469)*, (2010).
- 9 Whitehead, W. & Flynn, C. *Plant Utilization in Southeastern New Mexico: Botany, Ethnobotany, and Archaeology*. (Bureau of Land Management, Carlsbad Field Office, 2017).
- 10 NMSLO. Digital overlay (KML) of the surface land ownership in New Mexico (New Mexico State Land Office, Santa Fe, NM, 2024).
- 11 Green, G. N. & Jones, G. E. *The Digital Geologic Map of New Mexico in ARC/INFO Format*,
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- 12 Austin, G. S. *Geology and mineral deposits of Ochoan rocks in Delaware Basin and adjacent areas*. Vol. Circular 159 (New Mexico Bureau of Mines and Mineral Resources, 1978).
- 13 Johnson, K. S. Evaporite Karst in the United States. *Carbonates and Evaporites* **12**, 2-14 (1997).
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- 15 Decker, D. D., Jorgensen, G. L. & Palmer, R. in *Southwest Geophysical Cave and Karst Database* (ed LLC Southwest Geophysical Consulting) (Albuquerque, NM, 2025).
- 16 Whitehead, W., Bandy, M. & Decker, D. Protocol for Using UAV Photography for Rapid Assessment of Karst Features in Southeast New Mexico. *Proceedings of the 2022 Cave and Karst Management Symposium* (2022).

8.0 GLOSSARY OF TERMS

AGI	Advanced Geosciences Inc.
BLM-CFO	Bureau of Land Management - Carlsbad Field Office
brecciated	Fractured rock caused by faulting or collapse.
caprock-collapse sinkhole	Collapse of roof-spanning rock into a cave or void.
cave	Natural opening at the surface large enough for a person to enter.
cover-collapse sinkhole	Collapse of roof-spanning soil or clay ground cover into a subsurface void.
ERI	Electrical Resistivity Imaging
GPS	Global Positioning System
grike	A solutionally enlarged, vertical, or sub-vertical joint or fracture.
(H)	High confidence modifier for a PKF. This is typically reserved for a feature that is definitely karst but has not been confirmed in the field.
HKOZ	High Karst Occurrence Zone
karst	A landscape containing solutional features such as caves, sinkholes, swallets, and springs.
(L)	Low confidence modifier for a PKF. This is typically a feature that cannot be ruled out as karst but is most likely NOT karst related. This modifier may also be used for pseudokarst features.
(M)	Medium confidence modifier for PKF. This is an ambiguous feature that can't be positively identified as karst without a field visit (e.g., burrows, abandoned unlined wells, solution tubes, pseudokarst).
MKOZ	Medium Karst Occurrence Zone
NCRC	National Cave Rescue Commission
NKF	Non-karst feature. Used for features originally identified as PKF that have been subsequently identified in the field as non-karst related. This term may also be used for pseudokarst features.
NMSLO	New Mexico State Land Office
Ohm-m	Ohm-meter, a unit of measurement for resistivity. Sometimes abbreviated Ω -m.
paleokarst	Previously formed karst features that have been filled in by erosion and/or deposition of minerals.
Pat	Permian Artesia Group
Pc	Permian Capitan Formation
Pcs	Permian Castile Formation

PdI	Permian Dewey Lake Formation
PKF	Possible karst feature. This term is reserved for features identified in satellite or aerial imagery that have NOT been visited in the field. Further modifiers include (H) for high confidence, (M) for medium confidence, and (L) for low confidence. These confidence levels are based on field experience.
PLSS	Public Land Survey System
Pqg	Permian Queen/Greyburg Formation
Pru	Permian Rustler Formation
pseudokarst	Karst-like features (sinkholes, conduits, voids etc.) that are not formed by dissolution. These types of features include soil piping, lava tubes, and some cover-collapse and suffosion sinkholes.
Psl	Permian Salado Formation
Psr	Permian Seven Rivers Formation
Pt	Permian Tansill Formation
Py	Permian Yates Formation
Qal	Quaternary alluvium
Qe	Quaternary eolian deposits
Qp	Quaternary piedmont deposits
Qpl	Quaternary playa lake deposits
RKF	Recognized karst feature. This term is reserved for karst features that have been physically verified in the field.
SPAR	Small Party Assisted Rescue
sUAS	Small, uncrewed aerial system
suffosion sinkhole	Raveling of soil into a pre-existing void or fracture.
swallet	A natural opening in the surface, too small for a person, that drains water to an aquifer. Some are "open," meaning a void can be seen below; some are "closed," meaning they are full of sediment.
SWG	Southwest Geophysical Consulting, LLC
UTM	Universal Transverse Mercator (projected coordinates)
(V)	Field verified modifier for a RKF. This indicates that the feature has been visited by a qualified karst professional in the field and fully identified
WGS	World Geodetic System (geographic coordinates)

9.0 ATTESTATION

David D. Decker, PhD, PG, CPG

Chief Executive Officer, Principal Geologist

Southwest Geophysical Consulting, LLC

5117 Fairfax Dr. NW

Albuquerque, NM 87114

dave@swgeophys.com

(505) 585-2550

CERTIFICATE OF AUTHOR

I, David D. Decker, a Licensed Professional Geologist and a Certified Professional Geologist, do certify that:

- I am currently employed as a consulting geologist in the specialty of caves and karst with an office address of 5117 Fairfax Dr. NW, Albuquerque, NM, USA, 87114.
- I graduated with a Master of Science in Applied Physics with a specialization in Sensor Systems from the Naval Post Graduate School in Monterey, California, in 2003, and a Doctor of Philosophy in Earth and Planetary Sciences from the University of New Mexico, Albuquerque, New Mexico, in 2018.
- I am a Licensed Professional Geologist in the State of Texas, USA (PG-15242) and have been since 2021. I am a Certified Professional Geologist through the American Institute of Professional Geologists (CPG-12123) and have been since 2021.
- I have been employed as a geologist continuously since 2016. I was previously employed as a Fire Controlman, Naval Flight Officer, and Aerospace Engineering Duty Officer in the U.S. Navy and operated, maintained, and installed various sensor systems including magnetic, electromagnetic, radar, communications, and acoustic systems in various capacities from 1986 through 2010.
- I have been involved in various aspects of cave and karst studies continuously since 1985, including exploration, mapping, and scientific studies.
- I have read the definition of “qualified karst professional” set out in the ASTM Standard Practice for Preliminary Karst Terrain Assessment for Site Development (ASTM E-1527). I meet the definition of “qualified professional” for the purposes of this standard.
- I am responsible for the content, compilation, and editing of all sections of report number ETEC-019-20250723 entitled, “Environmental Karst Study Report, Mewbourne Red Hills West Unit 27, Lea County, New Mexico.” I or a duly authorized and qualified representative of Southwest Geophysical Consulting, LLC, have personally visited this site and/or reviewed the aerial imagery on the date or dates mentioned in section **2.3 Description of Survey**.

- I have no prior involvement nor monetary interest in the described property or project, save for my fee for conducting this investigation and providing the report.

Dated in Albuquerque, New Mexico, August 15, 2025.



David D. Decker
PhD, CPG-12123



Appendix F

Regulatory Correspondence

From: OCDOnline@state.nm.us
Sent: Wednesday, August 6, 2025 6:26 PM
To: Cesar Rosendo
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 492978

To whom it may concern (c/o Cesar Rosendo for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2521353327.

The sampling event is expected to take place:

When: 08/08/2025 @ 07:00

Where: O-09-26S-32E 0 FNL 0 FEL (32.05274,-103.67691)

Additional Information: Martin Sepulveda, 432-305-7322

Additional Instructions: From the intersection of Pipeline Rd and Orla Rd (32.064984, -103.674256), head SW on Orla Rd for 1.29 mi, then E for 0.56 mi, then N for 0.24 mi, then NW for 0.05 mi to arrive at the Red Hills West Unit 27 pad (32.052347, -103.676651).

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**
- **If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us
Sent: Wednesday, August 6, 2025 6:29 PM
To: Cesar Rosendo
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 492979

To whom it may concern (c/o Cesar Rosendo for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2521353327.

The sampling event is expected to take place:

When: 08/11/2025 @ 07:00

Where: O-09-26S-32E 0 FNL 0 FEL (32.05274,-103.67691)

Additional Information: Martin Sepulveda, 432-305-7322

Additional Instructions: From the intersection of Pipeline Rd and Orla Rd (32.064984, -103.674256), head SW on Orla Rd for 1.29 mi, then E for 0.56 mi, then N for 0.24 mi, then NW for 0.05 mi to arrive at the Red Hills West Unit 27 pad (32.052347, -103.676651).

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**
- **If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us
Sent: Wednesday, August 6, 2025 6:32 PM
To: Cesar Rosendo
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 492980

To whom it may concern (c/o Cesar Rosendo for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2521353327.

The sampling event is expected to take place:

When: 08/12/2025 @ 07:00

Where: O-09-26S-32E 0 FNL 0 FEL (32.05274,-103.67691)

Additional Information: Martin Sepulveda, 432-305-7322

Additional Instructions: From the intersection of Pipeline Rd and Orla Rd (32.064984, -103.674256), head SW on Orla Rd for 1.29 mi, then E for 0.56 mi, then N for 0.24 mi, then NW for 0.05 mi to arrive at the Red Hills West Unit 27 pad (32.052347, -103.676651).

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**
- **If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us
Sent: Wednesday, August 6, 2025 6:34 PM
To: Cesar Rosendo
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 492981

To whom it may concern (c/o Cesar Rosendo for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2521353327.

The sampling event is expected to take place:

When: 08/13/2025 @ 07:00

Where: O-09-26S-32E 0 FNL 0 FEL (32.05274,-103.67691)

Additional Information: Martin Sepulveda, 432-305-7322

Additional Instructions: From the intersection of Pipeline Rd and Orla Rd (32.064984, -103.674256), head SW on Orla Rd for 1.29 mi, then E for 0.56 mi, then N for 0.24 mi, then NW for 0.05 mi to arrive at the Red Hills West Unit 27 pad (32.052347, -103.676651).

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**
- **If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us
Sent: Wednesday, August 6, 2025 6:37 PM
To: Cesar Rosendo
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 492982

To whom it may concern (c/o Cesar Rosendo for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2521353327.

The sampling event is expected to take place:

When: 08/14/2025 @ 07:00

Where: O-09-26S-32E 0 FNL 0 FEL (32.05274,-103.67691)

Additional Information: Martin Sepulveda, 432-305-7322

Additional Instructions: From the intersection of Pipeline Rd and Orla Rd (32.064984, -103.674256), head SW on Orla Rd for 1.29 mi, then E for 0.56 mi, then N for 0.24 mi, then NW for 0.05 mi to arrive at the Red Hills West Unit 27 pad (32.052347, -103.676651).

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**
- **If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us
Sent: Wednesday, August 6, 2025 6:40 PM
To: Cesar Rosendo
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 492983

To whom it may concern (c/o Cesar Rosendo for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2521353327.

The sampling event is expected to take place:

When: 08/15/2025 @ 07:00

Where: O-09-26S-32E 0 FNL 0 FEL (32.05274,-103.67691)

Additional Information: Martin Sepulveda, 432-305-7322

Additional Instructions: From the intersection of Pipeline Rd and Orla Rd (32.064984, -103.674256), head SW on Orla Rd for 1.29 mi, then E for 0.56 mi, then N for 0.24 mi, then NW for 0.05 mi to arrive at the Red Hills West Unit 27 pad (32.052347, -103.676651).

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**
- **If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us
Sent: Wednesday, August 6, 2025 6:42 PM
To: Cesar Rosendo
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 492985

To whom it may concern (c/o Cesar Rosendo for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2521353327.

The sampling event is expected to take place:

When: 08/18/2025 @ 07:00

Where: O-09-26S-32E 0 FNL 0 FEL (32.05274,-103.67691)

Additional Information: Martin Sepulveda, 432-305-7322

Additional Instructions: From the intersection of Pipeline Rd and Orla Rd (32.064984, -103.674256), head SW on Orla Rd for 1.29 mi, then E for 0.56 mi, then N for 0.24 mi, then NW for 0.05 mi to arrive at the Red Hills West Unit 27 pad (32.052347, -103.676651).

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**
- **If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us
Sent: Wednesday, August 6, 2025 6:46 PM
To: Cesar Rosendo
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 492987

To whom it may concern (c/o Cesar Rosendo for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2521353327.

The sampling event is expected to take place:

When: 08/19/2025 @ 07:00

Where: O-09-26S-32E 0 FNL 0 FEL (32.05274,-103.67691)

Additional Information: Martin Sepulveda, 432-305-7322

Additional Instructions: From the intersection of Pipeline Rd and Orla Rd (32.064984, -103.674256), head SW on Orla Rd for 1.29 mi, then E for 0.56 mi, then N for 0.24 mi, then NW for 0.05 mi to arrive at the Red Hills West Unit 27 pad (32.052347, -103.676651).

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**
- **If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us
Sent: Wednesday, August 6, 2025 6:48 PM
To: Cesar Rosendo
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 492988

To whom it may concern (c/o Cesar Rosendo for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2521353327.

The sampling event is expected to take place:

When: 08/20/2025 @ 07:00

Where: O-09-26S-32E 0 FNL 0 FEL (32.05274,-103.67691)

Additional Information: Martin Sepulveda, 432-305-7322

Additional Instructions: From the intersection of Pipeline Rd and Orla Rd (32.064984, -103.674256), head SW on Orla Rd for 1.29 mi, then E for 0.56 mi, then N for 0.24 mi, then NW for 0.05 mi to arrive at the Red Hills West Unit 27 pad (32.052347, -103.676651).

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**
- **If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us
Sent: Wednesday, August 6, 2025 6:50 PM
To: Cesar Rosendo
Subject: [EXT] The Oil Conservation Division (OCD) has accepted the application, Application ID: 492990

To whom it may concern (c/o Cesar Rosendo for MEWBOURNE OIL CO),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2521353327.

The sampling event is expected to take place:

When: 08/21/2025 @ 07:00

Where: O-09-26S-32E 0 FNL 0 FEL (32.05274,-103.67691)

Additional Information: Martin Sepulveda, 432-305-7322

Additional Instructions: From the intersection of Pipeline Rd and Orla Rd (32.064984, -103.674256), head SW on Orla Rd for 1.29 mi, then E for 0.56 mi, then N for 0.24 mi, then NW for 0.05 mi to arrive at the Red Hills West Unit 27 pad (32.052347, -103.676651).

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**
- **If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>

Sent: Friday, September 12, 2025 11:27 AM

To: Connor Walker <cwalker@mewbourne.com>

Subject: [EXT] The Oil Conservation Division (OCD) has approved the application, Application ID: 504556

To whom it may concern (c/o Connor Walker for MEWBOURNE OIL CO),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2521353327, 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 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. The variance request for 400' sampling is approved. Confirmation samples should be collected every 400 ft². The work will need to occur in 90 days after the work plan 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,
Scott Rodgers
Environmental Specialist - A
505-469-1830
scott.rodgers@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

Appendix G

NMOCD Permitting System C-141 Questionnaire

1.0 SITE CHARACTERIZATION

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 groundwater?	NM OSE iWaters Database
Did this release impact groundwater or surface water?	No
What is the minimum distance between the closest lateral extents of the release and the following surface areas?	
A continuously flowing watercourse or any other significant watercourse?	1 to 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	1 to 5 (mi.)
An occupied permanent residence, school, hospital, institution or church?	> 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	1 to 5 (mi.)
Any other fresh water well or spring?	1 to 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field?	> 5 (mi.)
A wetland?	1 to 5 (mi.)
A subsurface mine?	> 5 (mi.)
A (non-karst) unstable area?	200 to 300 (ft.)
Categorize the risk of this well/site being in a karst geology.	Low
A 100-year floodplain?	> 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site?	No

2.0 REMEDIATION PLAN

Requesting a remediation plan 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**

Soil Contamination Sampling: (Provide the highest observable concentration for each, in mg/kg.)

Chloride (EPA 300.0 or SM4500 CL b)	15,100
TPH (GRO + DRO +MRO) (EPA SW-846 Method 8015M)	802
GRO+DRO (EPA SW-846 Method 8015M)	642
BTEX (EPA SW-846 Method 8021B or 8260B)	<0.050
Benzene (EPA SW-846 Method 8021B or 8260B)	<0.300

On what estimated date did, or will the remediation commence? **9/9/2025**

On what date did, or will the final sampling or liner inspection occur? **8/20/2025**

On what date will (or was) the remediation complete(d). **8/20/2025**

What is the estimated surface area (in sq. ft.) that will *eventually* be reclaimed? **59,824**

What is the estimated volume (in cy) that has or will *eventually* be reclaimed? **8,863**

What is the estimated surface area (in sq. ft.) that has or will be remediated? **59,824**

What is the estimated volume (in cy) that has or will be remediated? **180**

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

(Ex Situ) excavation and off-site disposal (i.e. dig and haul)	Yes
Which OCD approved facility will be used for off-site disposal?	R360 Red Bluff Facility
	Texas

3.0 DEFERRAL REQUESTS ONLY

Are you requesting a deferral of remediation closure due date with the approval of this submission?

No

Have the lateral and vertical extents of contamination been fully delineated?

Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction?

What is the remaining surface area (sq. ft.) that will still need to be remediated if a deferral is granted?

What is the remaining volume (cy) that will still need to be remediated if a deferral is granted?

Enter the facility ID (f#) on which the deferral should be granted:

Enter the API (30-) on which the deferral should be granted:

Contamination does not cause an imminent risk to human health, the environmental or groundwater:

4.0 REMEDIATION CLOSURE REQUEST

Requesting a remediation closure approval with this submission?	Yes
Have the lateral and vertical extents of contamination been fully delineated?	Yes
Was the release entirely contained within a lined containment area?	No
What was the total surface area (sq. ft.) remediated?	59,824
What was the total volume (cy) remediated?	180
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?	Yes
What was the total surface area (sq. ft.) reclaimed?	0
What was the total volume (cy) reclaimed?	0

Summarize any additional remediation activities not included by above"

Please reference the attached *Remediation Summary & Soil Closure Request*.

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 514225

QUESTIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 514225
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2521353327
Incident Name	NAPP2521353327 RED HILLS WEST UNIT 27 BATTERY @ FAPP2200557162
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2200557162] RED HILLS WEST UNIT #27H BATTERY

Location of Release Source*Please answer all the questions in this group.*

Site Name	RED HILLS WEST UNIT 27 BATTERY
Date Release Discovered	07/19/2025
Surface Owner	Federal

Incident Details*Please answer all the questions in this group.*

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

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

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pipeline (Any) Produced Water Released: 215 BBL Recovered: 50 BBL Lost: 165 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 2

Action 514225

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 514225
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Jeff Broom Title: Environmental Rep Email: jbroom@mewbourne.com Date: 10/10/2025
--	---

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 3

Action 514225

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 514225
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<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	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1 and 100 (ft.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<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
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	15100
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	802
GRO+DRO (EPA SW-846 Method 8015M)	642
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<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	09/09/2025
On what date will (or did) the final sampling or liner inspection occur	08/20/2025
On what date will (or was) the remediation complete(d)	08/20/2025
What is the estimated surface area (in square feet) that will be reclaimed	59824
What is the estimated volume (in cubic yards) that will be reclaimed	8863
What is the estimated surface area (in square feet) that will be remediated	59824
What is the estimated volume (in cubic yards) that will be remediated	180
<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>	

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

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 4

Action 514225

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 514225
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	<i>Not answered.</i>
OR which OCD approved well (API) will be used for off-site disposal	<i>Not answered.</i>
OR is the off-site disposal site, to be used, out-of-state	Yes
In which state is the disposal taking place	R360 Red Bluff Facility
What is the name of the out-of-state facility	TX
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jeff Broom Title: Environmental Rep Email: jbroom@mewbourne.com Date: 10/10/2025
<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>	

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

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Action 514225

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 514225
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 514225

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 514225
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	492990
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/21/2025
What was the (estimated) number of samples that were to be gathered	303
What was the sampling surface area in square feet	60579

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
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	59824
What was the total volume (cubic yards) remediated	180
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	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Please reference the attached Remediation Summary & Soil Closure Request.
<i>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>	
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: Jeff Broom Title: Environmental Rep Email: jlbroom@mewbourne.com Date: 10/10/2025

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Action 514225

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 514225
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 514225

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 514225
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	11/7/2025